



DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING AND APPLIED SCIENCE
APSC 200 ENGINEERING DESIGN AND PRACTICE II
CIVL 200 PROFESSIONAL SKILLS I
CIVL 231 SOLID MECHANICS II W 4.5
TERM ADJUNCT POSITION AVAILABLE
Academic Year 2018/19

Posting Date: June 1, 2018

Closing Date: June 14, 2018

Start date: September 1, 2018 and end date: April 30, 2019

1 position/1 section per course 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 teaching **the three following undergraduate courses** in the 2018-19 session.

Qualifications:

Minimum of a PEng. or EIT in Civil Engineering or a related field, expertise in the field relevant to the course, and appropriate teaching 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. Open to Term Adjuncts only.

Teaching Requirement:

APSC 200 Engineering Design and Practice II F/W | K4

Lecture: Yes

Lab: No

Tutorial: Yes

In this course students will participate constructively on teams to create solutions to open-ended complex problems, using standard design methods and tools. This project-based course provides instruction primarily in the first 6 weeks of the semester focusing on problem scoping, creativity and idea generation, decision making incorporating technical, economic, societal, and environmental factors, safety, engineering codes and regulations, and engineering ethics. The final 6 weeks of the course centre around a design project delivered by each discipline. This course is integrated with APSC 293, and coordinated by the same instructor.

Academic Units:

Mathematics 0

Natural Sciences 0

Complementary Studies 12

Engineering Science 0

Engineering Design 36

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 200 students in APSC 200. The successful applicant will have **100 percent** responsibility for this section of the Civil Engineering design project portion (6 weeks). The lectures in the first 6 weeks will be delivered by another instructor. Fall term classes begin September 6, 2018 and end November 30, 2018 while the examination period ends on December 20, 2018.

Teaching Requirement:**CIVL 200 Professional Skills I F | K 2.5**

Starting the very first day of the term, this week-long, intensive short-course serves as a kickoff to Civil Engineering at Queen's. Students will be engaged in a design challenge where they are to conceive, design, implement and operate a system to achieve some specified function bounded by constraints. Focus will be placed on development of decision making, team building and engineering design skills.

Academic Units:

Mathematics 0

Natural Sciences 0

Complementary Studies 8

Engineering Science 0

Engineering Design 20

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 90 students in CIVL 200. The successful applicant will have 100 percent responsibility for this course. Fall term classes begin September 6, 2018 and end November 30, 2018 while the examination period ends on December 20, 2018. CIVL 200 is instructed over the first complete week of the fall session only. There will be reports over the course of the term which will require your attention as well.

Teaching Requirement:**CIVL 231 Solid Mechanics II W 4.5**

Lecture: 3

Lab: 0.5

Tutorial: 1

Calculation of bending displacements using moment-area methods; introductions to statically indeterminate systems; combined loading; stress and strain transformations; columns; energy methods; non-linear material behaviour; two-dimensional elasticity; advanced torsion problems.

Academic Units:

Mathematics 0

Natural Science 0
Complementary Studies 0
Engineering Science 54
Engineering Design 0

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 100 students in CIVL 231. The successful applicant will have 100 percent responsibility for this 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.

Term Adjuncts at Queen's University are governed by the Collective Agreement between the Queen's University Faculty Association (QUFA) and the University, which is posted at:

<http://www.queensu.ca/facultyrelations/faculty-librarians-and-archivists/queens-qufa-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