DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
FACULTY OF ENGINEERING AND APPLIED SCIENCE
Teaching Fellow Position
Academic Year 2021-22

Posting Date: October 05, 2021
Closing Date: November 12, 2021

The Department of Electrical and Computer Engineering in the Faculty of Engineering and Applied Science at Queen's University requests applications from suitably qualified candidates interested in teaching the following undergraduate course in the 2021-22 session.

SOFT 437  Software Performance Analysis
Winter Term Course: January 1, 2022 – April 30, 2022

Course Description

This course focuses on the basic principles of performance analysis, performance modeling and evaluation for software systems. Students learn why software performance is critical to software development processes. The course covers the principles of software performance engineering (SPE), performance patterns and anti-patterns for performance-oriented design, techniques for eliciting performance objectives, techniques for gathering data needed for evaluation, and guidelines for the evaluation at each stage of software development process.

Credit Breakdown

Lecture: 3
Lab: 0
Tutorial: 0

Academic Unit Breakdown

Mathematics 0
Natural Sciences 0
Complementary Studies 0
Engineering Science 24
Engineering Design 12

Anticipated course enrolment: 90

Qualifications:

Minimum of a M.A.Sc. Degree in Engineering or a related field, OR a B.A.Sc. Degree in Engineering with extensive practical experience in engineering communications. Registered as a Professional Engineer (or an Engineer in Training) in the Province of Ontario. Previous teaching experience at the University level will be preferred. Candidates should have excellent communication and presentation skills. Preference will be given to candidates who are registered as professional engineers in the province of Ontario.

Course Syllabus can be found at: https://www.ece.queensu.ca/undergraduate/courses/SOFT-437.html

Teaching requirement:
The above advertised course will be taught on campus. Winter term classes begin on January 10, 2022.

Queen’s University is committed to employment equity and diversity in the workplace, and it 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/Aboriginal people, women, persons with disabilities, and 2SLGBTQ+ 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 a collective agreement between Public Service Alliance of Canada (PSAC), and Queen’s University.

Link: [http://www.queensu.ca/humanresources/employees/unions.html](http://www.queensu.ca/humanresources/employees/unions.html)

The [Queen’s University Policy Regarding Mandatory Vaccination Requirements for In-person University Activities](http://www.queensu.ca/humanresources/employees/unions.html) requires **ALL** Community Members, including employees, to be Fully Vaccinated against COVID-19 prior to participating in any In-person University Activities. This is a condition of employment for all employees who are required to attend University Property to perform their employment responsibilities. Individuals who cannot be vaccinated due to **substantiated grounds** (medical and other protected grounds under the Ontario Human Rights Code) may ask the University to validate the exemption and request an accommodation for these rare circumstances. If approved, they will be subject to additional health and safety measures.

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 Mary Gillespie [mary.gillespie@queensu.ca](mailto:mary.gillespie@queensu.ca).

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.

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 relevant other materials the candidate wishes to submit for consideration. Applications can be submitted to the ECE Appointments Committee at the address below, or by email to Mary Gillespie [mary.gillespie@queensu.ca](mailto:mary.gillespie@queensu.ca).

Applications should be received no later than November 12, 2021.

Electrical and Computer Engineering Appointments Committee  
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