Posting Date: **October 5, 2020**
Closing Date: **November 30, 2020**

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 2020-21 session.

ELEC 279 –Introduction to Object Oriented Programming W 3-1-0   4
January 1, 2021 – April 30, 2021

Qualifications:
Minimum of an M.A.Sc. Degree (or equivalent industry design experience) in Electrical & Computer 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, as well as be capable of working as a member of a teaching team. Prior teaching experience in project based engineering courses and lecture-based engineering courses would be a strong asset. Preference will be given to candidates who are registered as professional engineers in the province of Ontario.

Teaching requirement:

Winter Term Course: January 1, 2021 – April 30, 2021
Anticipated course enrolment: 171

Course Description

ELEC 279 –Introduction to Object Oriented Programming W 3-1-0   4

This course is an introduction to object-oriented design, architecture, and programming. The course covers fundamental concepts of object-oriented programming (OOP) such as encapsulation, abstraction, classes and objects, inheritance, and polymorphic programming. It provides an introduction to basic concepts of class and pattern design. Throughout this course students will also gain experience of OOP using packages and class libraries. The students will be able to debug and test their programs as well as handle exceptions. To enhance the exposure to real-world applications, they will practise OOP in various areas of applications and with graphical user interface. This course uses Java as the programming language.

https://www.ece.queensu.ca/undergraduate/courses/elec-279.html

"The successful applicant will have 100 percent responsibility for the course and will be required to convert course materials to an accessible online format **satisfactory to the Department Head.**

Please be advised that due to the current COVID-19 Situation, the University currently requires all non-essential services staff to work remotely. Until the requirement to work remotely is lifted, you will be required and must be able to work from home, including having a high-speed internet connection."

Queens University is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, aboriginal people, persons with disabilities, and persons of any sexual orientation or gender identity. 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, http://www.queensu.ca/humanresources/employees/unions.html.

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.

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 e-mail to Mary Gillespie, mary.gillespie@queensu.ca. Applications should arrive no later than October 31, 2020.

Electrical and Computer Engineering Appointments Committee
c/o Mary Gillespie, Administrative Assistant
Department of Electrical and Computer Engineering
Walter Light Hall, Room 416
Queen's University
Tel. 613 533-6000 ext. 75344
Fax. 613 533-6615