



**DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
FACULTY OF ENGINEERING AND APPLIED SCIENCE**

**Teaching Fellow Position
Academic Year 2020-2021**

**Posting Date: 27 February 2020
Closing Date: 20 March 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 2020-2021 session.

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. 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 a strong asset.

Teaching requirement:

Fall Term Course: September 1, 2020 – December 31, 2020

Anticipated course enrolment: 65

Course Description

ELEC 333 – Electric Machines F 3-0.75-0.75 4.5

Electric machines play a very important role in modern daily life. At homes, electric motors run refrigerators, air conditioners, washers, and many similar appliances. In industry they are used to provide the motion for almost all tools. More than 50% of the generated energy is consumed by electrical motors. Electric generators supply the power consumed by all electric loads. Transformers change the voltage level for economical power transmission and distribution. In addition, most machines have some transformer action as part of their operation. The objective of this course is to understand the fundamental concepts and principles of operation of various types of electrical machines, and to equip the students with basic experimental and modeling skills for handling problems associated with electrical machines.

Definitions:

<http://my.ece.queensu.ca/undergraduate/courses/elec-333.html>

The above advertised course will be taught on campus. The successful applicant will have 100 percent responsibility for the course.

Queen's 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), <http://www.queensu.ca/humanresources/employees/unions.html> and Queen's University.

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 March 20, 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
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