



**Department of Electrical and Computer Engineering
Term Adjunct Position
Academic Year 2020-2021**

Posting Date: 27 February 2020
Closing Date: 20 March 2020

The Department of Electrical and Computer Engineering at Queen's University requests applications from suitable qualified candidates interested in teaching the following undergraduate course in the 2020-2021 academic session.

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.

Qualifications:

Minimum of a M.A.Sc. in Engineering or a related field, or a BAsC in Engineering with extensive practical experience in engineering communications. Previous teaching experience at the University level will be preferred. Candidates should have excellent communication and presentation skills.

Course Syllabus can be found at: <http://my.ece.queensu.ca/undergraduate/courses/elec-333.html>

The above advertised course will be taught on campus. Fall term classes begin 10 September 2020.

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. Academic staff at Queen's University is governed by a collective agreement between QUFA, [QUFA](#) 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 email to Mary Gillespie at mary.gillespie@queensu.ca. Applications should be received no later than March 20, 2020.

Electrical and Computer Engineering Appointments Committee
c/o Mary Gillespie, Administrative Assistant
Department of Electrical and Computer Engineering
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