Posting Date: October 5, 2020
Closing Date: October 31, 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 courses in the 2020-21 session.

APSC 200/293 Engineering Design and Practice II/Engineering Communications (Winter)
January 1, 2021 to April 30, 2021

Qualifications:

Minimum of an Ph.D. 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: 240

Course Description

APSC-200 Engineering Design and Practice II FW/ 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
APSC-293 Engineering Communications / FW/ K1

Lecture: Yes  
Lab: No  
Tutorial: Yes

This course provides an introduction to effective engineering writing and speaking skills with the emphasis on professional correspondence, engineering reports, oral briefings, and formal oral presentations. These skills are developed in lectures and small group tutorials. This course is integrated with APSC200 and coordinated by the same instructor.

Academic Units:  
Mathematics 0  
Natural Sciences 0  
Complementary Studies 12  
Engineering Science 0  
Engineering Design 0

PREREQUISITE(S): APSC 100 or APSC 103  
COREQUISITE(S): APSC 293  
EXCLUSION(S): APSC 202

https://calendar.engineering.queensu.ca/content.php?catoid=9&navoid=233

“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
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