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 2019-20 academic session.

Fall Term Course: September 1, 2019– December 31, 2019

ELEC-278 – Fundamentals of Information Structures

Anticipated course enrolment: 160

Course Description
Fundamentals of Data Structures and Algorithms. Data structures are essential building blocks in obtaining efficient algorithms. Data structures play a central role in engineering. Topics covered include arrays, linked lists, stacks, queues, dequeues, asymptotic notation, hash tables and scatter tables, recursion, trees and search trees, heaps and priority queues, sorting, and graphs. Software engineering concepts will be introduced, and some application case studies will be reviewed. The 'C' language will be introduced. (12/0/0/24/12)

PREREQUISITES: APSC 142
EXCLUSION(S): CISC 235

Qualifications:
Minimum of a M.A.Sc. Degree in Engineering or a related field, or a BASc. 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: my.ece.queensu.ca/undergraduate/courses/elec-278.html

The above advertised course will be taught on campus. Fall term classes begin 05 September 2019.
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 May 20, 2019.

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