



**Department of Electrical and Computer Engineering  
Term Adjunct Position  
Academic Year 2017-18**

**Posting Date: 08 June 2017**  
**Closing Date: 23 June 2017**

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 2017-18 academic session.

Fall Term Course: September 1, 2017 – December 31, 2017

Anticipated course enrolment: 300

**Course Description**

**ELEC 310                      Introductory Analog Electronic and Digital Circuits                      F 3-1-.5 4.5**

This is an introductory course on the design of analog electronic and digital logic circuits, using commonly available devices and integrated circuits. The properties of linear circuits, with particular reference to the applications of feedback, are discussed; operational amplifiers are introduced as the fundamental building block for the design of linear filters and amplifiers. Fundamentals of digital circuits including Boolean algebra, logic gates, combinational logic, sequential logic concepts and implementation are presented. Data acquisition and conversion is introduced, and the issues of noise and electromagnetic compatibility are discussed. Laboratory work is linked with lectures and provides practical experience of the subjects covered in lectures. (0/0/0/27/27)

PREREQUISITE: ELEC 210, 221

EXCLUSIONS: ENPH 334 (PHYS 334)

**Qualifications:**

Minimum of a M.A.Sc. in Engineering or a related field, or a BSc 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://www.ece.queensu.ca/Current-Students/Undergraduate/Undergraduate-Courses/LandingPages/ELEC-310/index.html>

The above advertised course will be taught on campus. Fall term classes begin 11 September 2017.

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](mailto: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](mailto:mary.gillespie@queensu.ca). Applications should be received no later than 23 June 2017.

Electrical and Computer Engineering Appointments Committee  
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