



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

**Posting Date: 11 September 2017**  
**Closing Date: 11 October 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 2015-16 academic session.

Winter Term Course: January 1, 2018 – April 30, 2018

Anticipated course enrolment: 70

**Course Description**

**ELEC 433 – Energy and Power Systems**

**W/3.5**

Energy resources and electric power generation with particular emphasis on renewable energy systems such as solar, wind, and biomass; review of balanced and unbalanced 3-phase systems; review of per-unit systems; real and reactive power, sequence networks and unsymmetrical analysis; transmission line parameters; basic system models; steady state performance; network calculations; power flow solutions; symmetrical components; fault studies; short circuit analysis; economic dispatch; introduction to power system stability, operating strategies and control; modern power systems and power converters; DC/AC and AC/DC conversion; and introduction to DC transmission. (0/0/0/24/18)

PREREQUISITE(S): ELEC 333

**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/Current-Students/Undergraduate/Undergraduate-Courses/LandingPages/ELEC-433/ELEC-433-Course-Summary.html>

The above advertised course will be taught on campus. Winter term classes begin January 08, 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).

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 October 11, 2017.

Electrical and Computer Engineering Appointments Committee  
c/o Mary Gillespie, Departmental Assistant  
Department of Electrical and Computer Engineering  
Walter Light Hall, Room 416  
19 Union Street  
Queen's University  
Kingston, ON K7L 3N6  
Tel.: 613-533-6000 ext: 75344  
Fax: 613-533-6615