Applications are invited for an exceptional candidate in the area of *Engineering Design* in the Department of Electrical & Computer Engineering, Faculty of Engineering. The successful applicant will receive a three (3) – year Limited Term appointment at the rank of Lecturer or Assistant Professor. The rank and salary will be commensurate with the successful applicant’s qualifications and experience.

The Department is seeking an energetic and dynamic candidate who will be able to contribute to the Department’s teaching activities in the broad area of introductory engineering design. The successful candidate will serve as the course co-ordinator and a lecturer/facilitator for the first-year engineering course, “ES 1050: Introductory Engineering Design and Innovation Studio.”

Applicants for this position must have a first degree (BASc. B.Eng or equivalent) in Engineering and should have either a PhD degree in an Engineering field or have practiced engineering design extensively. The candidate should provide evidence of teaching at a university level in engineering design and will be expected to participate in the normal administrative, educational and professional activities of the Department, Faculty and University. Eligibility for immediate registration as a Professional Engineer in Ontario is required for this appointment.

Situated along the banks of the Thames River in picturesque London, Ontario, a city with a population of approximately 350,000, Western University is a prominent academic institution routinely ranked as a top research-intensive university in Canada and is committed to excel as a leading research institution internationally. Western University has a full time enrollment of about 32,000 students in a range of academic and professional programs.

The Department of Electrical and Computer Engineering ([http://www.eng.uwo.ca/electrical/](http://www.eng.uwo.ca/electrical/)) is one of four Departments in the Faculty of Engineering ([http://www.eng.uwo.ca](http://www.eng.uwo.ca)) at Western University. The Department of Electrical and Computer Engineering offers degrees in Electrical Engineering, Computer Engineering, Software Engineering and Mechatronic Systems Engineering.

Western Engineering is embarking on a major expansion of faculty to complement a planned growth in student numbers. Western Engineering’s Mission, Vision and Values: [http://www.eng.uwo.ca/faculty_staff/img/Values_Mission_Statement.pdf](http://www.eng.uwo.ca/faculty_staff/img/Values_Mission_Statement.pdf). Western’s Recruitment & Retention Office is available to assist in the transition of successful applicants and their families.

If you share our commitment to excellence in teaching, and are eager to pursue a rewarding academic career, please send (i) a detailed curriculum vitae, (ii) a description of teaching experience and philosophy, and (iii) the names of three referees. Applications should be sent to:

Dr. K.A. McIsaac, Chair  
c/o Michelle Wagler, Administrative Officer  
Department of Electrical and Computer Engineering, TEB279  
The University of Western Ontario  
1151 Richmond Street North  
London, Ontario, Canada N6A 5B9

We also welcome e-mail inquiries and submissions, to be sent to mwagler6@uwo.ca.

Consideration of applications will commence on June 15, 2017 and will continue until the position is filled. Please ensure that the form available at [http://www.uwo.ca/facultyrelations/faculty/Application-FullTime-Faculty-Position-Form.pdf](http://www.uwo.ca/facultyrelations/faculty/Application-FullTime-Faculty-Position-Form.pdf) is completed and included in your application submission.
Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English. The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Aboriginal persons, person with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression.

In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents.

Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews or other meetings, please contact Michelle Wagler by phone at 519-661-2111 ext: 81257.

Posted on Faculty Relations website May 15, 2017.
Tasks for ES 1050 Course Co-ordinator

Background: ES 1050 “Introductory Engineering Design and Innovation Studio” is a compulsory course taken by first year engineering students. The calendar description currently reads

Introduction to the principles and practices of professional engineering. The design studio fosters innovative thinking, improves problem solving, and provides context. Includes elements of need recognition, conceptualization, prototyping, and engineering design to satisfy commercial specifications. Emphasis on creativity, teamwork, communication and engineering skills necessary to practice in any engineering discipline.

The course is delivered through one 1-hour lecture to the entire first year class per week, one 2-hour interactive workshop to four sections of 150 students per week and one 2-hour design studio section to twelve sections of 50 students per week. There are also weekly 2-hour tutorials scheduled, but these are created to ensure that students in the design studios have time to meet.

Face-to-face Interaction with Students: The course co-ordinator will serve as one of four interactive workshop facilitators, be the instructor for three weekly design studios, and will share preparation and presentation duties for the one-hour weekly lecture with workshop facilitators and invited guests.

Co-ordination Activities: The course co-ordinator’s duties shall include:

1. Co-ordination of the lecture and workshop content, and related assignments, in conjunction with the workshop facilitators.
2. Co-ordination of the design project topics, and related assignments, in conjunction with the studio instructors.
3. Training Teaching Assistants to ensure reasonable uniformity of marking amongst the four workshop sections and twelve studio sections.
4. Scheduling of regular meetings involving workshop facilitators, studio instructors or teaching assistants to facilitate activities 1, 2 and 3.
5. Preparation of mid-year and final examinations, in conjunction with the workshop facilitators.
6. Co-ordination of marks, including final marks submission
7. Co-ordination of Canadian Engineering Accreditation Board Graduate Attribute data by Studio Instructors.
8. Maintenance of ES 1050 course website on OWL