

DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING
Faculty of Applied Science and Engineering
University of Toronto

Job Posting for the 2016-2017 Session

This job is posted in accordance with the CUPE 3902 – Unit 1 Collective Agreement.

This posting is for a Course Lecturer for one section of **MIE240H1S – Human Centred Systems Design**, to be taught in the winter term of 2017. Please note that the scheduling of this course is as follows:

Activity	Day and Time	Location	Class Size	Current Enrolment
Lec 0101	WEDNESDAY 09:00-11:00 FRIDAY 10:00-11:00	MC 252 MC 252	130	128
Tut 0101	TUESDAY 15:00-17:00	BA 2195	50	50
Tut 0102	TUESDAY 15:00-17:00	BA 1210	40	40
Tut 0103	TUESDAY 15:00-17:00	BA 1220	40	38

Duties include: preparation of lectures and course materials; delivery of lectures; supervision of Teaching Assistants; setting and marking of tests and exams; evaluation of final grades; contact with students.

MIE240H1S – Human Centred Systems Design

Introduction to principles, methods, and tools for the analysis, design and evaluation of human-centred systems. Consideration of impacts of human physical, physiological, perceptual, and cognitive factors on the design and use of engineered systems. Basic concepts of anthropometrics, work-related hazards, shiftwork, workload, human error and reliability, and human factors standards. The human-centred systems design process, including task analysis, user requirements generation, prototyping, and usability evaluation. Design of work/rest schedules, procedures, displays and controls, and training systems; design for error prevention and human-computer interaction; design for aging populations.

Prerequisite: MIE242H1 recommended

- The date of appointment will be from January through April 2017.
- Minimum level of pay is \$7,257.84 (half-course), which includes vacation pay, and may increase depending on applicant's level of experience and suitability for the position.
- Qualifications required: Applicants should have a strong record of presenting lectures or acting as a teaching assistant. Applicants must be able to demonstrate considerable depth of knowledge and experience in the subject area. The applicant must be able to lecture in a clear voice, and explain concepts clearly. A license to practice engineering in

Canada is preferred.

- Applicants are required to fill out an application form, which can be picked up from and returned to: Mechanical Engineering Building, Room 109 or by emailing ugservices@mie.utoronto.ca by **4:00pm on November 11th, 2016**. Applicants must include full contact information of their supervisor, plus two U of T employees (faculty or staff) who can testify to the teaching skills of the applicant. The appointment will be made at the earliest possible time before the commencement of classes by the Associate Chair (Undergraduate) of the Department of Mechanical and Industrial Engineering. No other offers or notices of the outcome of applications are authorized by the Department. Final availability of the position is contingent upon final course determination, enrolment, budgetary considerations, and the final determination of assignments flowing from Article 14:03 of the Collective Agreement.
- Please note that applicants should have excellent communication skills in English - both oral and written work.