DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING  
Faculty of Applied Science and Engineering  
University of Toronto  
Job Posting for the 2019-2020 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 MIE100H1: Dynamics to be taught in the Summer Term of 2020.

**MIE100H1: Dynamics**

This course on Newtonian mechanics considers the interactions which influence 2-D, curvilinear motion. These interactions are described in terms of the concepts of force, work, momentum and energy. Initially the focus is on the kinematics and kinetics of particles. Then, the kinematics and kinetics of systems of particles and solid bodies are examined. Finally, simple harmonic motion is discussed. The occurrence of dynamic motion in natural systems, such as planetary motion, is emphasized. Applications to engineered systems are also introduced.

Schedule: TBD (Online)  
TA Support: TBD  
Course Enrolment (est.): 80  
Campus: St. George

- **Date of appointment:** May to June 2020  
- **Rate of pay:** As of January 1, 2020 is $7,903.04 (per half course excludes vacation pay). Please note that should rates stipulated in the collective agreement vary from rates stated in this posting, the rates stated in the collective agreement shall prevail.  
- **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. **Please note that this offering of MIE100 will be taught and assessed online.**  
- **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. Please note that applicants should have excellent communication skills in English - both oral and written work. Professional Engineer (P.Eng.) license or Engineering Intern (EIT) registration required. Successful candidate will be reimbursed for the EIT registration fee.

- **Application Procedure:** See Course Instructor job postings on the department website at [https://www.mie.utoronto.ca/about-mie/careers/](https://www.mie.utoronto.ca/about-mie/careers/) If interested, submit a Course Instructor Application Form, Resume and Teaching Dossier to the MIE Undergraduate Office (MC109) or by email to ugservices@mie.utoronto.ca. If during the application and/or selection process you require accommodation due to a disability, please contact Gayle Lesmond / ugservices@mie.utoronto.ca. Applicants are required to fill out an application form, which can be picked up from and returned to: ugservices@mie.utoronto.ca by **April 13 2020.**  
  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.