

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

**Job Posting for the 2020-2021 Session**

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

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**MIE561H1: Healthcare Systems**

Course Description: MIE 561 is a “cap-stone” course. Its purpose is to give students an opportunity to integrate the Industrial Engineering tools learned in previous courses by applying them to real world problems. While the specific focus of the case studies used to illustrate the application of Industrial Engineering will be the Canadian health care system, the approach to problem solving adopted in this course will be applicable to any setting. This course will provide a framework for identifying and resolving problems in a complex, unstructured decision-making environment. It will give students the opportunity to apply a problem identification framework through real world case studies. The case studies will involve people from the health care industry bringing current practical problems to the class. Students work in small groups preparing a feasibility study discussing potential approaches. Although the course is directed at Industrial Engineering fourth year and graduate students, it does not assume specific previous knowledge, and the course is open to students in other disciplines.

Schedule: TBD

TA Support: TBD

Course Enrolment (est.): 85

Campus: St. George

- **Date of appointment:** January to April 2021
- **Rate of pay:** as of January 1, 2020 is \$10,000 (per half course includes 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.
- **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/>. 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](mailto: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](mailto:ugservices@mie.utoronto.ca). Applicants are required to fill out an application form, which can be found on the department website (<https://www.mie.utoronto.ca/about-mie/careers/>) and returned to: Mechanical Engineering Building, Room 109 or by emailing [ugservices@mie.utoronto.ca](mailto:ugservices@mie.utoronto.ca) by **May 22, 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.