



**SMITH
ENGINEERING**
Queen's University

**Mechanical and
Materials Engineering**

STEPHEN J.R. SMITH FACULTY OF ENGINEERING AND APPLIED SCIENCE AT QUEEN'S
UNIVERSITY

Term Adjunct Position
Academic Year 2024-2025

Posting Date: June 1, 2024
Closing Date: June 30, 2024

The Department of Mechanical and Materials Engineering at Queen's University invites applications from suitably qualified candidates interested in teaching the following undergraduate course in the 2024/25 session.

This course is the third course in the Capstone Design series for the Mechanical Engineering program. The first two courses are MECH 460 and MECH 464 – See Fall Adjunct Postings.

MECH 462 Team Project - Implement and Operate
January 1, 2025 – April 30, 2025

Qualifications:

Minimum of M.Sc. in Mechanical Engineering or related field. Previous educational background and/or experience must be suited to teaching the course described below. Candidates must have excellent communication and presentation skills as proven with prior experience, as well as being capable of working as a member of a teaching team. Previous teaching experience at the University level, specifically large lecture-based engineering courses is considered an asset. *Registration as a Professional Engineer, or eligibility to acquire registration in Canada, is required.*

Course Descriptions:

MECH 460

Units K3.5

This course is intended to enable team projects that started in [MECH 460](#), to continue to the implement and operate phases of the design cycle. However, new projects can be the subject of [MECH 462](#) as long as they meet the implement and operate objectives of the course. An engineering report is prepared and defended. The presentation is normally supported by a working prototype or physical mock-up of the design. Testing a process or system can replace the building of a prototype. Choices of available projects are limited and should be discussed with the instructor.

Requirements: Prerequisites: [MECH 460](#) Corequisites: Exclusions:

CEAB Units:

Mathematics 0, Natural Sciences 0, Complementary Studies 0, Eng Science 0, Eng Design 42

Course Details:

This course is part of Capstone Design for the Mechanical Engineering Program. Significant time outside of the classroom is expected of students to complete the work in teams. There are no formal lectures during the term, but the instructor is expected to meet with teams regularly in office hours as well as for formal mid term and final presentations.
Expected Enrolment (subject to change): 80 students.

The successful applicant will have 100% percent responsibility for this course. Graduate teaching assistants will be assigned to assist with tutorials, labs and marking.

The University invites applications from all qualified individuals. Queen's is strongly committed to employment equity, diversity and inclusion in the workplace and encourages applications from Black, racialized/visible minority and Indigenous people, women, persons with disabilities, and 2SLGBTQ+ persons.

Academic staff at Queen's University are governed by a [Collective Agreement](#) between the University and the [Queen's University Faculty Association \(QUFA\)](#).

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 mmeadmin@queensu.ca.

In accordance with Canadian immigration requirements, Canadian citizens and permanent residents of Canada will be given priority, including any qualified individuals who have a valid legal work status in Canada. Please indicate in your application if you have a valid legal work status in Canada. Applications that do not include this information will be deemed incomplete. Applications from all qualified candidates will be considered in the applicant pool.

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 other relevant materials the candidate wishes to submit for consideration. Applications can be submitted to the MME Appointments Committee at the address below, or by e-mail to mmeadmin@queensu.ca. Applications should arrive no later than June 30, 2024 at 11:59pm.

Mechanical and Materials Engineering (MME) Appointments Committee
Department of Mechanical and Materials Engineering
McLaughlin Hall, Room 201
Queen's University, Kingston ON, K7L 3N6
Tel. 613 533-2585