

STEPHEN J.R. SMITH FACULTY OF ENGINEERING AND APPLIED SCIENCE AT QUEEN'S
UNIVERSITY
Teaching Fellow Position Available
Academic Year 2024/25

Posting Date: February 12, 2024

Closing Date: February 20, 2024

Smith Engineering invites applications from suitably qualified candidates interested in teaching the following first year undergraduate course in the 2024/25 session. This introductory course is taught as an in-person Summer Bridging course for the Smith Engineering Bridge.

**APSC 175 Calculus II
Summer 2024: Summer Bridge**

Qualifications:

Minimum of Master's in Mathematics, Engineering, or related field. Previous teaching experience at the University level considered an asset. Previous educational background and/or experience must be suited to teaching the course described below. Candidates must have excellent communication and presentation skills, as well as being capable of working as a member of a teaching team.

Course Description:

APSC 175 Calculus II Units 3.50

This course reviews topics of Calculus I, including differential and integration methods, to bridge the gap between college-level calculus courses and Calculus II. Students will expand their understanding of calculus principles into multiple variables and dimensions to address engineering challenges. Functions of several variables, partial derivatives, differentials, error estimates, gradients, optimization, and double and triple integrals will be studied in Cartesian, cylindrical, and spherical coordinates for applications in statics, mechanics, transport phenomena, and other physical phenomena relevant to engineering.

(Lec: 3.0, Lab: 0, Tut: 0.5)

CEAB Units:

Mathematics 42

Natural Sciences 0

Complementary Studies 0

Engineering Science 0

Engineering Design 0

Course Details:

This course requires synchronous in-person delivery from May 1, 2024 – August 31, 2024.

Expected Enrolment (subject to change): 15 students

Summer term classes begin Monday May 6th and end Friday July 26, 2024. The Summer term examination period is August 2-10, 2024. More information on the Undergraduate Academic Plan can be found [here](#).

Prior to May 1, 2022, the University required all students, faculty, staff, and visitors (including contractors) to declare their COVID-19 vaccination status and provide proof that they were fully vaccinated or had an approved accommodation to engage in in-person University activities. These requirements were suspended effective May 1, 2022, but the University may reinstate them at any point.

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/Aboriginal people, women, persons with disabilities, and 2SLGBTQ+ persons.

Teaching Fellows at Queen's University are governed by a collective agreement between Public Service Alliance of Canada (PSAC) 901, Unit 1, and Queen's University. 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 engineering.hr@queensu.ca.

To comply with Federal laws, the University is obliged to gather statistical information about how many applicants for each job vacancy are Canadian citizens/ permanent residents of Canada. Applicants need not identify their country of origin or citizenship; however, all applications must include one of the following statements: I am a Canadian citizen/permanent resident of Canada; OR, I am not a Canadian citizen/permanent resident of Canada. Applications that do not include this information will be deemed incomplete.

Applications should include a complete and current curriculum vitae, a copy of your transcript, 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 First Year Committee at the address below, or by e-mail to engineering.hr@queensu.ca. Applications should arrive no later than February 20, 2024.

First Year Committee

Stephen J.R. Smith Faculty of Engineering and Applied Science

Room 200, Beamish-Munro Hall

Queen's University, Kingston, Ontario K7L 3N6