



UNIVERSITY OF TORONTO  
FACULTY OF APPLIED SCIENCE & ENGINEERING

**First Year Program, Faculty of Applied Science & Engineering**  
**APS163H1 2022 Summer – Calculus II for Engineers**  
**Posting for 1 Special Development Teaching Assistant**  
**Emergency Posting**

The Faculty of Applied Science and Engineering is hiring **1** Special Development TA to lead the design and development of a test and exam question repository for APS163: Online Calculus II for Engineers. This course requires several versions of tests and final exams, and this role will work with previous and current course coordinators to develop appropriate content. There will also be some grading included. It is expected that this development work will start immediately.

**One** Teaching Assistant position is available for APS 163, from May to June 2022. The contract will be for 50 hours, the rate of \$47.17 per hour, plus 4% vacation pay.

**Skills and Qualifications:** Previous experience is the more relevant criterion than the need to acquire experience in respect of this posted position. Good understanding of Calculus II topics including methods of integration, mathematical modeling with differential equations, infinite sequences and series, Taylor series, parametric and polar curves, vector-valued functions, partial differentiation, and application to mechanics and other engineering problems. Candidate should have a strong, demonstrated interest in high-quality teaching/mentoring.

**APS163H1: Calculus for Engineers II Course Description**

This online-only course focuses on the fundamental tools of calculus and its connections to engineering. The topics include methods of integration, an introduction to differential equations, series and Taylor series, vector differentiation, and partial differentiation. Problems combining calculus with geometry, linear algebra, statics, and mechanics will be examined.

**Duties:** The successful candidate will work directly with current and former course coordinators to design & develop test and exam questions for the assessment of this course. There will also be grading required.

**How to Apply: Candidates are asked to submit, as ONE PDF document:**

1. 1-page Cover letter;
2. Curriculum Vitae;
3. A 1-page well-communicated statement of how their interest and experience directly relate to the needs of the job. Demonstrated excellence in teaching/supporting first-year students is an asset.

**Submit application online via:**

<https://forms.office.com/r/cTnsrPqdqu>

**The application deadline is: May 06, 2022 5:00 PM EDT.**

**Posting Date: May 4, 2022**

The course and duties may be offered online, in-person or a hybrid of both, the decision about the delivery will be made/communicated at a later date.

The Faculty of Applied Science & Engineering and First Year Office thanks all applicants for their interest; however, only those candidates considered for the position will be contacted.

If during the application and/or selection process you require accommodation due to a disability, please Contact : [fyjobs@engineering.utoronto.ca](mailto:fyjobs@engineering.utoronto.ca)

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission. The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities. If you require any accommodations at any point during the application and hiring process, please contact [uoft.careers@utoronto.ca](mailto:uoft.careers@utoronto.ca). During employment, to request accommodation from the University, contact the supervisor or department chair and/or Health & Wellbeing Programs & Services at [hwb@utoronto.ca](mailto:hwb@utoronto.ca). For more information about accommodations at U of T, please visit our [Accommodation webpage](#).

The hiring criteria for Teaching Assistant positions are academic qualifications, the need to acquire experience, previous experience and previous satisfactory employment under the provisions of this Collective Agreement.

Candidates who are members of Indigenous, Black, racialized and LGBTQ2S+ communities, persons with disabilities, and other equity seeking groups are encouraged to apply, and their lived experience shall be taken into consideration as applicable to the position.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

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

The position(s) posted above is (are) tentative, pending final course determinations and enrolments. Positions posted here are open to Graduate Students in the School of Graduate Studies, Postdoctoral Fellows and Undergraduate Students in the University of Toronto.

Preference in hiring shall be given to Graduate Students enrolled in the School of Graduate Studies of the University of Toronto or those who have made application to be enrolled in the School of Graduate Studies of the University of Toronto.