



UNIVERSITY OF TORONTO

FACULTY OF APPLIED SCIENCE & ENGINEERING

First Year Program, Faculty of Applied Science & Engineering

Posting for Teaching Assistants

APS 163H1S – Calculus for Engineers II (online), Fall 2022

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.

At least three(3) Teaching Assistant position is available for **APS 163, from September 1, 2022 to December 31, 2022**. The contract will be for **63 hours, at the rate of \$47.17 per hour, plus 4% vacation pay**.

Qualifications: at least a M.Sc. in either Mathematics or Engineering, with experience teaching first-year engineering calculus. The applicant should be very comfortable working with Learning Management Systems (e.g., Quercus) and be able to handle administrative duties that use its applications. Familiarity with pedagogical ideas of both calculus and online courses would be an asset. Previous experience is the more relevant criterion than the need to acquire experience in respect of this posted position.

Duties: The teaching assistant will work directly with the course coordinator. Duties will include a large amount of marking, including weekly assignments and a final, written modeling assignment. The TA will run some of the weekly online office hours (at a time to be determined later). The TA will provide technical support for the course, posting course materials and filling in the details connecting the videos to the appropriate sections in the course. Includes 3 hours of exam invigilation during the exam period (December). Requires demonstrated experience using Quercus. Est Enrollment: 60

How to Apply:

Candidates are asked to submit, as **ONE PDF document**, the following:

1. 1-page Cover letter;
2. Curriculum Vitae;
3. A summary that demonstrates your experience, interest and/or excellence in teaching (maximum 1 page).

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.



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Submit application online via:

<https://forms.office.com/r/5M6WiLe9wh>

The application deadline is May 09, 4:00 PM, 2022, EDT.

Posting Date: March 25, 2022 .

If during the application and/or selection process you require accommodation due to a disability, please Contact : 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. During employment, to request accommodation from the University, contact the supervisor or department chair and/or Health & Wellbeing Programs & Services at 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.