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 two Teaching Assistant position is available for APS 163, from September 1, 2020 to December 31, 2020. The contract will be for 60 hours, at the rate of $46.24 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.

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

Submit application online via:

https://tinyurl.com/FYO-CUPE1--APS-163-Fall20-TA

The application deadline is July 17, 9 AM, 2020.
Posting Date: June 24, 2020.
If during the application and/or selection process you require accommodation due to a disability, fyjobs@engineering.utoronto.ca

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, LGBTQ 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 Departmental Hiring Policy is available in the Department office and in the CUPE Local 3902 office. The position(s) posted above is (are) tentative, pending final course determinations and enrolments.

**Note:** Although a graduate student’s preference as to the campus location of his/her TA appointment will be taken into account, both the initial TA appointment (or CI appointment) and the subsequent appointment obligation related to that appointment may be met through position(s) on any one of the three University of Toronto campuses (UTM, UTSC or St. George) in courses in the same discipline as the initial appointment. TAs will only be assigned to courses in fields in which they are or should be qualified to assist.