First Year Program, Faculty of Applied Science & Engineering

APS 163H1S – Calculus for Engineers II (online), Fall 2019

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.

Two Teaching Assistant position is available for APS 163, from September 2019 to December 2019. The contract will be for 40 hours, at the rate of $45.33 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 Blackboard 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, Professor Shai Cohen. 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.

Enrollment: 40

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).

Submit application online via:

http://tinyurl.com/FYO-CUPE-1-Application-APS-163

The application deadline is Wednesday, July 3rd, 9 AM, 2019.
Posting Date: Friday June 7, 2019.
If during the application and/or selection process you require accommodation due to a disability, please contact fyjobs@ecf.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.