First Year Program, Faculty of Applied Science & Engineering

MAT186H1S – Calculus for Engineers I

The Faculty of Applied Science and Engineering is hiring one undergraduate teaching assistant within the First Year Program for the winter 2018 term beginning January 2018.

**MAT186H1S Course Description:** This online-only course focuses on the fundamental tools of calculus and its connections to engineering. The topics include limits, differentiation, graphing, optimization problems, and definite and indefinite integrals in the first semester. Problems combining calculus with geometry, linear algebra, statics, and mechanics will be examined. Estimated Enrollment: 25

**Skills and Qualifications:** We are looking for an applicant with at least an 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 TA 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.

**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).

1 Teaching Assistant positions are available for MAT186H1S, from January 2, 2018 to April 30th 2018. The contract will be for a 50 hours, at the rate of $43.65 per hour, plus 4% vacation pay. We thank all applicants for their interest; only shortlisted candidates will be contacted. Please email completed application package to fyjobs@ecf.utoronto.ca

Application Deadline: **November 15, 2017, 11:59pm.**

Posted on October 27, 2017.

*This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.*