UNIVERSITY OF TORONTO
FACULTY OF APPLIED SCIENCE & ENGINEERING

First Year Program, Faculty of Applied Science & Engineering
MAT186H1F – Calculus I and MAT188H1F – Linear Algebra
Fall 2023

Two tutorial coordinator teaching assistant positions are available within the First Year Program in the Faculty of Applied Science & Engineering for the Fall 2023 term (Sept 1, 2023 – Dec 31, 2023). These positions will be primarily responsible for supporting the delivery of the tutorials for the following two courses:

MAT186H1F – Calculus I: Topics include: limits and continuity; differentiation; applications of the derivative – related rates problems, curve sketching, optimization problems, L'Hopital's rule; definite and indefinite integrals; the Fundamental Theorem of Calculus; applications of integration in geometry, mechanics and other engineering problems. Estimated Enrollment: 950

MAT188H1F – Linear Algebra: This course covers systems of linear equations and Gaussian elimination, applications; vectors in Rn, independent sets and spanning sets; linear transformations, matrices, inverses; subspaces in Rn, basis and dimension; determinants; eigenvalues and diagonalization; systems of differential equations; dot products and orthogonal sets in Rn; projections and the Gram-Schmidt process; diagonalizing symmetric matrices; least squares approximation. Includes an introduction to numeric computation in a weekly laboratory. Estimated Enrollment: 950

The contracts will be for a minimum of **50 hours, at the rate of $47.64 per hour, plus 4% vacation pay**.

Qualifications: Previous experience is the more relevant criterion than the need to acquire experience in respect of this posted position. Prior teaching experience and/or experience working as a TA within the first year program and engineering mathematics courses is an asset

Duties: These teaching assistants will work directly with the course coordinators :

1. Lead weekly meetings with the teaching assistant teams in order to
    a. Support the use of effective teaching methods
    b. Help coordinate the tutorial content
    c. Identify ways in which course content can connect to other courses within the first-year program
2. Facilitate student feedback
3. Support the administration and organization of these courses

How to Apply:

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

1. You must include which Job Title you are applying for: "MAT188 Tutorial Coordinator" ***OR*** "MAT186 Tutorial Coordinator"
2.1-page Cover letter;
3.Curriculum Vitae;

4.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.

Submit application online via:

https://forms.office.com/r/HW60gYL2uE

The application deadline is May 9, 4:00 PM, 2023, EDT.

Posting Date: March 24, 2023 .

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.

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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.