

## **Department of Materials Science and Engineering**

**Position:** Sessional Lecturer I/II

**Course Title and Code:** MSE 222H1 S: Mechanics of Solid Materials

**Course Description:** Principles of stress and strains; Axial loading; Torsion; Shear forces and bending moments; Stresses in Beams; Plane stresses and strains; Pressure vessels; Deflection of beams; Introduction to Finite Element Analysis

**Estimated Enrolment:** 45

**Estimated TA support:** Tutorial (1) 70 hours; Lab TA (2) 50 hours

**Class schedule:** Lectures: 3 hours/week; Monday 4-5 p.m. and Tuesday 12-3 p.m.  
Practical: 3 hours/week; Tuesdays 12-3 p.m.  
Tutorial: 4 hour/week; Tuesday 10-11 a.m. and Friday 10 a.m.-2 p.m.

**Sessional date of appointment:** Winter Session, January-April 2020

**Salary:** Minimum level of pay is \$8,489.65 (Sessional Lecturer I) and \$8,914.14 (Sessional Lecturer II), and may increase depending on applicant's level of experience and suitability for the position.

**Qualifications:** A Ph.D. in Materials Science and Engineering, or a closely related field is essential. Experience lecturing and/or coordinating laboratories at the university level are preferred.

**Please note:** Undergraduate or graduate students and postdoctoral fellows of the University of Toronto are covered by the CUPE Unit 1 collective agreement rather than the Unit 3 collective agreement, and should not apply for positions posted under the Unit 3 collective agreement.

### **Brief description of duties:**

The Department of Materials Science and Engineering requires a lecturer to teach MSE 222H1 S- Mechanics of Solid Materials during the Winter 2019-2020 semester. The successful applicant will be responsible for effectively delivering the course with all of the attendant organizational issues of lecture preparation and delivery, setting, supervision and marking of exams, final course marks, course evaluations, and so forth.

To indicate interest in this position, please send an updated CV and completed application form electronically download from <http://dlrssyvwz8ozqw.cloudfront.net/wp-content/uploads/sites/27/2016/04/19-Unit-3-Application-Format.doc>.

Fanny Manousos  
Director of Administration  
Department of Materials Science and Engineering  
184 College Street, Room 140, Toronto, Ontario, M5S 3E4  
strumas@ecf.utoronto.ca

**Posting Date: Friday November 1, 2019**

**Closing date: Thursday November 21, 2019**

"This notice is posted in accordance with the CUPE 3902 Unit 3 Collective Agreement." "Preference in hiring is given to qualified individuals advanced to rank of Sessional Lecturer II and Sessional Lecturer III in accordance with Article 14:12." It is understood that some announcements of vacancies are tentative pending final course determination and enrolment.

<http://dlrssyvwz8ozqw.cloudfront.net/wp-content/uploads/sites/27/2016/04/19-Unit-3-Application-Format.doc>