

Department of Materials Science and Engineering, University of Toronto
Job Posting - Course Instructor Position
Winter Term 2014-2015 (January–April)

The Department of Materials Science and Engineering seeks a Course Instructor for the following course:

Posting Date: Tuesday November 18, 2014

Closing Date: Monday December 15, 2014

Number of positions available: 1

Course Title: MSE101H1 S – Introduction to Materials Science

Dates of Appointment: January 5, 2015 to April 30, 2015

Course Description: This is an introductory course in material science examining the fundamentals of atomic structure, the nature of bonding in materials, crystal structure and defects, and phase equilibria. These basic principles provide the foundation for an exploration of structure-property in relationships in metals, ceramics, and polymers, with emphasis on mechanical properties. The properties of materials then form the basis for an introduction to materials selection in design.

Description of the duties: The Department of Materials Science and Engineering requires an instructor to teach and coordinate MSE 101H1 S (Introduction to Materials Science) during the Winter 2015 semester. The successful applicant will be responsible for effectively delivering the course with all of the attendant organizational issues of lecture preparation and delivery, supervision of teaching assistants, setting, supervision and marking of exams, final course marks, course evaluations, and so forth.

Qualifications: The applicant should have the ability to teach large undergraduate courses. An essential qualification would be an in-depth knowledge of basic principles of atomic and crystal structure, properties and applications of all major types of traditional and advanced materials. A basic understanding of materials selection application in product design is also required.

We are seeking previous experience in teaching, teaching excellence, and mastery of subject area. Prior experience teaching a similar university-level course is preferred.

Estimated Course Enrolment: 278 students

Estimate of TA Support: 1 Head TA (90 hours); 5 Tutorial TA's (60 hours); 6 Lab TA's (60 hours)

Rate of Pay: \$7,114.65 (including vacation pay)

Please note that should rates stipulated in the collective agreement vary from rates stated in this posting, the rates stated in the collective agreement shall prevail.

Applicants should submit a cover letter and C.V. (including previous teaching evaluations, if applicable) electronically to:

Fanny Strumas-Manousos, Manager of Administration
Department of Materials Science and Engineering, University of Toronto
strumas@ecf.utoronto.ca

No late applications can be considered.

NOTES:

1. Department Standards and Policies are available in the Department office and in the CUPE, Local 3902 office.
2. The position(s) posted above is (are) tentative, pending final course determinations and enrolments.

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement.

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.