

**Department of Materials Science and Engineering, University of Toronto**  
**Job Posting - Course Instructor Position**  
**Fall Term 2014-2015 (September-December)**

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

**Posting Date:** Friday July 11, 2014

**Closing Date:** Thursday August 7, 2014

Number of positions available: 1

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**Course Title: MSE504H1 F – Extractive Metallurgy**

**Dates of Appointment:** September 1, 2014 to December 19, 2014

**Course Description:** Technologies and unit operations used in the production of light metals, non-ferrous and ferrous metals will be presented and analyzed. Emphasis will be placed on analyzing overall flow whets used by selected companies for the purpose of determining how overall process efficiency can be improved and the environmental impact reduced. Methods and technologies used for metals recycling will also be discussed. Examples will be given from the steel copper, nickel, zinc, aluminum and magnesium industries. The students will be exposed to a series of actual industrial case studies.

**Description of the duties:** The Department of Materials Science and Engineering requires an instructor to teach and coordinate MSE 504H1 F (Extractive Metallurgy) during the Winter 2014 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 an in-depth knowledge of extensive usage of overall processing flow-sheets for improving the metal extractive operations of light, non-ferrous and ferrous metals, the extractive technologies environmental impact, and also problems related to metal recycling. In addition, familiarity with actual industrial cases is 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:** 27 students

**Estimate of TA Support:** 40 hours total (1 Teaching Assistant)

**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.

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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.