

# Department of Chemical Engineering and Applied Chemistry

## UNIVERSITY OF TORONTO

**CUPE 3902 UNIT 1 Job Posting**

**November 13, 2011**

**Job Posting: Project Coordinator**

**Course title: CHE 230S Environmental Chemistry Environmental Consulting Project**

**Course description:** The chemical phenomena occurring in environmental systems are examined based on fundamental principles of organic, inorganic and physical chemistry. The course is divided into sections describing the chemistry of the atmosphere, natural waters and soils. The principles applied in the course include reaction kinetics and mechanisms, complex formation, pH and solubility equilibria and adsorption phenomena. Molecules of biochemical importance and instrumental methods of analysis relevant to environmental systems are also addressed. (formerly EDC230H1S)

A team consulting project is a key component that is integrated throughout the course. As part of this project, student teams form an environmental consulting company in order to respond a request for proposals. This response takes the form of a letter of intent, preliminary proposal, client meeting, and a final proposal or presentation.

**Estimated enrolment:** 150

**Estimated TA support:** TA support is provided for other aspects of the course.

**Course Schedule:**

3 lecture hours, plus 4 tutorial hours weekly. (Most interaction of the Project Coordinator with the students will occur outside of these hours.)

**Sessional dates of appointment:** January 1, 2012 – April 30, 2012

**Salary:** \$3,278.58 for CUPE Unit 1, inclusive of vacation pay.

**Qualifications:** PhD (or nearing completion) or equivalent professional experience in the area of environmental chemistry, chemical engineering or physical chemistry; technical communication. Engineering and previous experience teaching a similar course are highly desirable.

**Duties of course instructor:** The project coordinator reports to the course instructor, Professor Elizabeth Edwards. They will be responsible for all aspects of this project including design, delivery, scheduling, administration, instruction and evaluation. The primary role involves meetings with individual groups at various stages of the project throughout the term. This contact may also include lecturing to the entire class. Instructional handouts may also be prepared in order to achieve the project learning objectives. Grading and feedback based on the technical content and communication of the content will be provided on each of: letters of intent, preliminary proposals and final proposals. Final grades will be compiled and provided to the course instructor.

**Closing Date:** November 25, 2011

Those interested should submit a letter of application and current cv by email to:

Julie Mendonça.  
Dept. of Chemical Engineering and Applied Chemistry  
University of Toronto  
200 College St., Toronto, Canada M5S 3E5  
email: julie.mendonca@utoronto.ca  
phone: (416) 978-6615 fax: (416) 978-8605

This position is subject to final budgetary approval. Subject to that approval, an appointment will be made by December 1, 2011. This notice is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement. It is understood that some announcements of vacancies are tentative pending final course determinations and enrolment.