Department of Chemical Engineering and Applied Chemistry

UNIVERSITY OF TORONTO

**CUPE 3902 UNIT 3 Job Posting July 12, 2018**

**Job Posting: Course Instructor**

**Course title:**  **CHE332H1: Reaction Kinetics**

**Course description:**

The rates of chemical processes. Topics include: measurement of reaction rates, reaction orders and activation energies; theories of reaction rates; reaction mechanisms and networks; development of the rate law for simple and complex kinetic schemes; approach to equilibrium; homogeneous and heterogeneous catalysis. Performance of simple chemical reactor types.

**Estimated enrolment**: ~ 125 students (taught in 1 section; each weekly as 3 1 hour lectures and one 1 hour tutorial)

**Estimated TA support**: ~ 200 hours of TA support for managing tutorials and assistance in grading

**Course Schedule:** Lecture (2) Monday, 2 –3, Tutorial Wednesday 2 – 3 (2 tutorials)

Tuesday, 1 –2

 Friday, 2 - 3

**Sessional dates of appointment**: September 6, 2018 – December 21, 2018, course delivery and completion

**Stipend**: $11,500.00 for CUPE Unit 3, inclusive of vacation pay, 4 installments

**Qualifications**: Preference for someone with experience in the teaching of engineering, with a preference for experience in university level teaching. Minimum BASc or BEng

**Duties of course instructor**: The instructor shall prepare the course lecture material with input from the Associate Chair and Undergraduate Coordinator and the current instructor; deliver the lectures; provide scheduled office hours; supervise teaching assistants, set assignments, quizzes, midterm examinations, and final exams as needed, and grading; and submit grades.

**Closing Date**: July 27, 2018

Those interested should submit a letter of application and current CV by email to Professor Timothy Bender (tim.bender@utoronto.ca) and cc: Jo-Anne Wilson, Undergraduate Assistant (ugradassist.chemeng@utoronto.ca):

Prof Dr Timothy Bender

Associate Chair Undergraduate Studies

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This position is subject to final budgetary approval. Subject to that approval, an appointment will be made by approximately August 3, 2018. This notice is posted in accordance with the CUPE 3902 Unit 3 Collective Agreement. It is understood that some announcements of vacancies are tentative pending final course determinations and enrolment.