Course Number and Title: ESS431H1S – Basin Analysis

Course description: Detailed study of each of the major sedimentary environments. Typical facies assemblages, cyclic sedimentation. Autogenic and allogenic processes. The principles of sequence stratigraphy. The history of the sequence concept; systems tracts and bounding surfaces. Sequence models. What causes sequences: mechanisms of change in base level and accommodation: – tectonism, climate change, eustatic sea-level change. Prerequisites: ESS331H1; Distribution Requirements: Science; Breadth Requirements: The Physical and Mathematical Universes (5)

Estimated course enrollment: 8

Estimated TA support: none

Schedule: Lectures Monday 10-12; Labs Wednesday 2-5; January 4 to April 30, 2021

Please note that, in keeping with current circumstances, this course may be delivered in-person, remotely/online, or by a combination of delivery methods as determined by the University at a later date.

Sessional dates: January 1 to April 30, 2021

Please note: This position includes the completion of any course work and grading not completed by April 30, 2020.

Rate of pay: Sessional Lecturer I - $8,489.66; Sessional Lecturer I Long Term - $8,869.25; Sessional Lecturer II - $9,085.58; Sessional Lecturer III $9,301.90 (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.

Qualifications: A Ph.D. degree in Earth Sciences, and industry experience in deep water depositional systems are required. Previous teaching experience at the university level will be a plus.

Description of duties: The lecturer will be responsible for effectively delivering the course with all of the attendant organizational issues of lecture and tutorial preparation and delivery, setting, supervision and marking of exams, final course marks, course evaluations and so forth.

To apply for this position, please send a cover letter and the CUPE 3902 Unit 3 application form http://www.hrandedequity.utoronto.ca/resources/forms.htm

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Posting date: June 22, 2020

Closing date: July 15, 2020

Please note: Undergraduate or graduate students and postdoctoral fellows of the University of Toronto are covered by the CUPE 3902 Unit 1 collective agreement rather than the Unit 3 collective agreement, and should not apply for positions posted under the Unit 3 collective agreement.

Preference in hiring will be given to qualified individuals advanced to the rank of Sessional Lecturer II or Sessional Lecturer III in accordance with Article 14:12.

This job is posted in accordance with the CUPE 3902 Unit 3 Collective Agreement