JOB POSTING

SESSIONAL LECTURER FOR
IGEN 450
INTEGRATED ENGINEERING

GENERAL INFORMATION
The Faculty of Applied Science at the University of British Columbia, Vancouver campus invites applications for a part-time sessional lecturer to teach IGEN 450 Pipeline Engineering in 2018 winter term 1 (September 1 to December 31, 2018). IGEN 450 is a course offered within the Faculty of Applied Science by the Integrated Engineering Program. It is subscribed by 4th year Integrated, Mechanical, Civil and Materials Engineering students. This is a lecture course aimed at providing an overall introduction to pipeline engineering, with a focus on technical aspects. The course will provide the required background to appreciate general approaches and considerations along with exposure to basic science/mechanics principles associated with pipeline engineering. Particular reference will be made to a range of topics including pipe materials, pipeline geotechnical engineering considerations, basic soil mechanics, soil-pipe interaction, operational loads/stresses on pipelines including those from soils. The course is presented in the form modules by UBC instructors (and sessional lecturers), and with support from external experts (via guest lectures) as needed and appropriate. The course will also serve as a prerequisite (or background) for the subsequent course: Pipeline Design - IGEN 452 (3-credit course): Pipeline and pipeline system design that includes geotechnical design.

JOB DESCRIPTION
The position involves preparing and giving lectures up to three times per week during the first term for one section. Each lecture is 50 minutes in duration. The course runs from September 4 to November 30, 2018. The instructor will prepare tutorials, assignments, mid-term exams, and final exam. It is the responsibility of the instructor to maintain an interactive learning environment in which all students are involved. This typically involves posing thought-provoking questions to students as well as answering questions posed by students. The instructor will need to be available to students outside of normal classroom hours to answer questions. The instructor is responsible to maintain records of grades and to submit final grades in a timely fashion to the Department office.

QUALIFICATIONS
Applicants should have a PhD in Civil Engineering with experience in Pipeline Engineering and proven evidence of teaching effectiveness. Experience in teaching Pipeline Engineering (soil-pipe interaction, pipe stress analysis, pipeline design) is an asset.

APPLICANTS SHOULD SUBMIT A CV AND BRIEF COVER LETTER OUTLINING QUALIFICATIONS AND REALTED EXPERIENCE TO: Michelle Tierney in FF309A mtierney@apsc.ubc.ca

The deadline for applications is August 24, 2018
For more information on the Faculty of Applied Science Integrated Engineering Program, please visit http://www.igen.ubc.ca/.

Applicants are asked to complete the following equity survey: IGEN sessional survey
The survey information will not be used to determine eligibility for employment, but will be collated to provide data that can assist us in understanding the diversity of our applicant pool and identifying potential barriers to the employment of designated equity group members. Your participation in the survey is voluntary and anonymous. This survey takes only a minute to complete. You may self-identify in one or more of the designated equity groups. You may also decline to identify in any or all of the questions by choosing "not disclosed".

All positions are subject to availabilities of funds and will be governed by UBC’s “Agreement on Conditions of Appointment for Sessional Faculty Members.” Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. We encourage all qualified persons to apply; however, Canadians and permanent residents of Canada will be given priority.