



**ROBERT M. BUCHAN DEPARTMENT OF MINING  
Term Adjunct Position  
Academic Year Spring/Summer 2025**

**Posting Date:** Friday, February 21, 2025

**Closing Date:** 12noon, Monday, March 3, 2025

The Robert M. Buchan Department of Mining Engineering, Smith Engineering at Queen's University invites applications from suitably qualified candidates interested in teaching the following online course for the spring/summer 2025 session.

**MNTC 307 - Geomechanics and Ground Control  
May 1 to August 31, 2025**

**Qualifications**

Minimum of M.Sc. in Mining Engineering or related field and must hold a professional engineering registration in Canada. Previous teaching experience at the University level considered an asset. Previous educational background and/or experience must be suited to teaching the course described below. Candidates must have excellent communication and presentation skills, as well as being capable of working as a member of a teaching team.

**Course Description**

Rock engineering deals with the design of excavations in rock. In this course, methods of characterizing rock masses will be reviewed with the objective of estimating rock mass strength. This will include field investigation methods and laboratory testing. Methods of estimating and measuring in situ stress conditions will be described. Analytical and numerical methods of assessing stresses around mining excavations are reviewed, with emphasis on how to select appropriate methods of stress analysis. Building on these elements, methods of stability analysis are presented for both open pit and underground mine design applications.

**Course Details**

Format: 3 lecture hours, no lab hours and no tutorials per week for twelve weeks. (Lec: 3, Lab: 0, Tut: 0)

Audience: undergraduate level students

Location: online



Lab Supervision - NA

Expected Enrolment (subject to change): 20 students

Percentage of Responsibility: 100%

The above course is online. Lectures and exams will be conducted online. The contract will run from May 1, 2025 to August 31, 2025. The spring/summer session runs from May 5, to August 21, 2025.

The University invites applications from all qualified individuals. Queen's is strongly committed to employment equity, diversity, and inclusion in the workplace and encourages applications from Black, racialized/visible minority and Indigenous people, women, persons with disabilities, and 2SLGBTQ+ persons.

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact [mine.office@queensu.ca](mailto:mine.office@queensu.ca).

Academic staff at Queen's University are governed by a collective agreement between [QUFA](#), and Queen's University.

### **Application Process**

To comply with Federal laws, the University is obliged to gather statistical information about how many applicants for each job vacancy are Canadian citizens/ permanent residents of Canada. Applicants need not identify their country of origin or citizenship, however, all applications must include one of the following statements:

- I am a Canadian citizen/permanent resident of Canada; OR,
- I am not a Canadian citizen/permanent resident of Canada

Applications that do not include this information will be deemed incomplete.

Applications should include:

- a complete and current curriculum vitae,
- a statement of teaching experience,
- the names and contact details of two referees who may be contacted, and
- any other relevant materials the candidate wishes to submit for consideration

Applications can be submitted to the Adjunct Appointments Committee at the address below, or by e-mail to [mine.office@queensu.ca](mailto:mine.office@queensu.ca). Applications should arrive no later than **12noon on Monday, March 3, 2025**.



**SMITH  
ENGINEERING**  
Queen's University

Robert M. Buchan  
Department of Mining

Adjunct Appointments Committee  
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