



**The Robert M. Buchan Department of Mining
Term Adjunct Positions (BTECH Program)
Fall Term 2018**

Posting Date: June 1, 2018

Closing Date: June 15, 2018

The Robert M. Buchan Department of Mining at Queen's University invites applications from suitably qualified candidates interested in teaching the following **undergraduate Bachelor of Mining Engineering Program (BTECH)** in the 2018 Fall Term (September 1, 2018 to December 31, 2018).

Qualifications:

Minimum of M.A.Sc. or significant experience in Mining Engineering or a related field. Previous teaching experience at the University level, and/or experience teaching online considered an asset. Previous educational and/or experience must be suited to teaching the courses described below. Candidates must have excellent communication and presentation skills, as well as being capable of working as a member of a teaching team. Previous industrial engineering experience is preferred.

Course Description:

MNTC 305 – Introduction to Mining

This course presents an overview of the stages of mining, from exploration and prospecting, through development, exploitation, and finally closure and reclamation. Students are introduced to mine financing, methods and design (both surface and underground), mining operations and planning, services (e.g., rock mechanics, ventilation, drilling and blasting), mineral processing, mining equipment and technologies, as well as social and environmental challenges. Case studies and examples are used to illustrate the fundamentals.

Expected Enrolment (subject to change): 10

MNTC 413 – Surface Mine Design

This course presents a comprehensive overview of the principal components of surface mine design. Topics include pit limit analysis and economic optimization, haul road design, blast design, and basic stability calculations. Equipment selection and application and mine scheduling techniques will be introduced, including dragline applications. The focus will be on the practical application of design techniques to mine planning, and on the available equipment and methods for field monitoring to provide effective design feedback and support safe operations.

Expected Enrolment (subject to change): 10

The above courses are offered entirely online; content has already been created and exists in OnQ.

Further details of the program can be found at <https://btech.engineering.queensu.ca/>.

Definitions:

Program and Course Symbols and Codes can be found [here](#).

The above courses will be taught online. Fall term classes begin September 6 and end November 30, 2018. The Fall term examination period is December 5 - 20, 2018. NOTE: [Faculty Regulation \(14\) Supplemental Examinations](#).

The University invites applications from all qualified individuals. Queen's University is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal people, persons with disabilities, and LGBTQ persons. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.

Academic staff at Queen's University are governed by a collective agreement between QUFA, www.gufa.ca, and Queen's University. <http://www.queensu.ca/facultyrelations/faculty-librarians-and-archivists/queens-gufa-collective-agreement>

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 Wanda Badger, wanda.badger@queensu.ca, Department Manager.

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, and any relevant other materials the candidate wishes to include for consideration. Applications can be submitted to the Term Adjunct Appointments Committee at the address below, or by e-mailing Wanda Badger at wanda.badger@queensu.ca. Applications should arrive no later than midnight June 15, 2018.

The Robert M. Buchan Department of Mining Term Adjunct Appointments Committee
c/o Wanda Badger
The Robert M. Buchan Department of Mining
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