The Robert M. Buchan Department of Mining
Term Adjunct Positions
Winter Term 2020

Posting Date: October 15, 2019

Closing Date: November 1, 2019

The Robert M. Buchan Department of Mining at Queen’s University invites applications from suitably qualified candidates interested in teaching the following undergraduate courses in the 2020 Winter Term (January 1, 2020 to April 30, 2020).

Qualifications:
Minimum of M.A.Sc. in Mining Engineering or a related field. Previous educational background and/or experience must be suited to teaching the courses described below. Candidates must have excellent communication and presentation skills, as well as be capable of working as a member of a teaching team. Registration as a Professional Engineer, or eligibility to acquire registration in Canada, is an essential qualification. Prior teaching experience in engineering and lecture-based engineering course would be a strong asset and/or experience teaching online. Previous industrial engineering experience is an asset. Preference will be given to candidates who are registered as professional engineers in the province of Ontario.

Course Description:

MINE 472 – Mining Systems, Automation, and Robotics, Anticipated enrolment: 50

In order to address issues related to safety, productivity, and remote operations, the world’s mineral resources industry has been gradually shifting towards the increased use of automated systems and robotically enhanced machines. It is important, therefore, that graduate engineers understand how these new technologies work so as to improve and make the best use of them. This online course introduces senior students to the fundamental tools and techniques of automation and robotics as applied to modern practice. Enrolment is open to students from a range of engineering disciplines. The course provides an introduction to the basics of systems control, examples of how methods of automatic control can be applied to mining equipment and associated industrial vehicles, as well as to the fundamentals of sensing and navigation as applied to the design of robotic mobile equipment.

The above course will be delivered online. The successful applicant will have 50 percent responsibility for the course.
MINE 471 – Mine-Mechanical Design Project, Anticipated course enrolment: 10

This course involves a design project with emphasis on the mechanical aspects of mine or plant design and operation. Typical topics include mobile equipment, materials handling, automation, equipment redesign and systems integration.

The above course will be taught on campus. The successful applicant will have 100 percent responsibility for the course.

Definitions:


The University invites applications from all qualified individuals. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal peoples, 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, and Queen’s University.

Teaching Fellows at Queen's University are governed by the Collective Agreement for Teaching Assistants and Teaching Fellows between PSAC Local 901 and Queen's University. Remuneration will be in accordance with the Collective Agreement, and appointments are subject to funding or enrolment criteria.

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 November 1, 2019.

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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