



The Robert M. Buchan Department of Mining
Teaching Fellow Position
Academic Year 2020/21

Posting Date: March 8, 2021

Closing Date: March 19, 2021

The Robert M. Buchan Department of Mining at Queen's University invites applications from suitably qualified candidates interested in teaching the following **undergraduate course** in the 2021 Summer Term (May 10th, 2021 to August 13th, 2021).

Qualifications:

Currently enrolled in a Ph.D. program in Mining Engineering or a related field, expertise in the field relevant to the course and appropriate teaching experience. 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. Prior teaching experience in engineering and lecture-based engineering course would be a strong asset and/or experience teaching online.

Course Description and Teaching Requirement:

MNTC 313 – Introduction to Programming Anticipated enrolment: 850-860

Lecture: 3, Lab: 0, Tutorial: 0

This course will introduce students to the fundamental concepts of computer programming using both C/C++ and MATLAB. The course will teach computer programming with a focus on practical applications for analyzing data and solving practical mathematical problems. Topics will include basic components of a computer (both hardware and software), memory and variables, expressions, selection structures, loops, arrays, functions, and commonly used algorithms such as sorting and searching. At the end of the course, students will be able to apply computer programming skills to assist in both design and analysis for real-life engineering applications.

Academic Units:

Mathematics 0; Natural Sciences 0, Complementary Studies 0, Engineering Science 36, Engineering Design 0

The above course will be delivered online. The successful applicant will have shared responsibilities for the course.

Definitions:

Summer term classes begin May 10th and end on August 13th, 2021. The summer term examination period is August 3rd – 6th, 2021. More information on the Undergraduate Academic Plan can be found [here](#).

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/Aboriginal people, women, persons with disabilities, and 2SLGBTQ+ persons. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.

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. Renumeration for teaching this course will be \$8,480.00.

<http://queensu.ca/facultyrelations/teaching-assistants-and-fellows/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 Brittany Cox, brittany.cox@queensu.ca, Financial and Administrative Assistant.

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 current *curriculum vitae*, a copy of your transcript (unofficial is accepted) 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 Brittany Cox at brittany.cox@queensu.ca. Applications should arrive no later than Friday March 19th, 2021.

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c/o Brittany Cox
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