

FACULTY OF ENGINEERING AND APPLIED SCIENCE
Term Adjunct Position
Academic Year 2023/24

Posting Date: August 3, 2023

Closing Date: August 13, 2023

The Faculty of Engineering and Applied Science at Queen's University invites applications from suitably qualified candidates interested in teaching the following course in the Fall 2023 session, in the Department of Mining.

MNTC 415 – Metal Extraction Processes
Fall 2023

Qualifications:

Candidates must have a minimum of a Master's degree, be registered as a Professional Engineer (P.Eng), and have a minimum of 4 years of industry and/or academic experience in mineral processing and an understanding of thermodynamics as applied to metallic systems and knowledge of hydrometallurgical and pyrometallurgical processes. Previous teaching experience relevant to design or project-based courses considered an asset. Candidates must have excellent communication and presentation skills and be capable of working as a member of a teaching team.

Course Description:

This course covers the fundamental and practical applications of metal extraction processes. An introduction to the chemical production of metals will be provided. Basic processing concepts of hydrometallurgical, pyrometallurgical and electrometallurgical unit operations will be discussed. The properties of solutions relevant to metal extraction are reviewed. Fundamentals of mass and heat balances in metallurgical processes will be covered. Some metal production flowsheets are utilized to illustrate the integration of unit processes required for metal extraction. Available Online.

Expected Enrolment (subject to change): 40 students.

The above course will be taught online. Fall term classes begin September 1, 2023, and end December 31, 2023.

COVID 19 On-Campus Requirements

Prior to May 1, 2022, the University required all students, faculty, staff, and visitors (including contractors) to declare their COVID-19 vaccination status and provide proof that they were fully vaccinated or had an approved accommodation to engage in in-person University activities. These requirements were suspended effective May 1, 2022, but the University may reinstate them at any point.

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.

Academic staff at Queen's University are governed by a collective agreement between QUFA, and Queen's University.

<http://www.queensu.ca/facultyrelations/faculty-librarians-and-archivists/queens-qufa-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 engineering.hr@queensu.ca.

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 must be submitted by e-mail to mine.office@queensu.ca. Applications should arrive no later than August 13, 2023.

Robert. M. Buchan Department of Mining
Faculty of Engineering and Applied Science
Room 354, Goodwin Hall
Queen's University, Kingston, Ontario K7L 3N6