Department of Chemical Engineering
Term Adjunct Position
Academic Year 2023/24

Posting Date: Monday, October 2, 2023
Closing Date: Friday, October 20, 2023

The Department of Chemical Engineering at Queen's University invites applications from suitably qualified candidates interested in teaching the following graduate course in the Winter session of the 2023-2024 academic year.

CHEE 827 System Optimization (Winter 2024)
January 1 to April 30, 2024

Qualifications:
Candidates must have a minimum of a Master's degree and have a minimum of 5 years of industry and/or academic experience. Previous teaching experience relevant to leadership and engineering is 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:
A survey of optimization problems is made and mathematical procedures for their solutions are discussed. Comparisons of optimization techniques for various classes of problems are made using industrial examples and computer studies. Both linear and nonlinear programming methods are studied. Topics include the role of optimization, definitions of objective functions and constraints, conditions for existence of an optimum; one-dimensional strategies; analytical procedures for unconstrained and constrained multi-dimensional problems, numerical procedures for unconstrained and constrained multidimensional problems, and introduction to multistage optimization.

Course Details:
This course is delivered through 3 hours per week of lecture. The 3 hours of student contact time occur for twelve weeks.

Expected Enrolment (subject to change): 10

The above course will be taught on campus. Winter term graduate classes begin January 08, 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. 

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 april.hiles@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 can be submitted to the Term Adjunct Appointments Committee by e-mailing April Hiles at april.hiles@hiles.ca. Applications should be submitted by midnight EST on October 20, 2023.

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