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

**APSC 132 (Chemistry of Natural and Engineered Systems) Extended Program (J-Section)**
*(Twelve-week course between February 1, 2024, until June 30, 2024)*

**Course Description**

**APSC 132 Extended Program – Chemistry of Natural and Engineered Systems**

This full course lasting for 12 weeks, starting in February, and ending in June, introduces equilibrium thermodynamics, chemical process dynamics and electrochemistry in the context of sustainable engineering design. The first unit defines Gibbs energy as a means of describing the equilibrium state of multi-phase and reactive systems, including acid/base reactions in aqueous solution. The second unit focuses on the rate and mechanism of chemical reactions as well as the physical processes of heat and mass transfer. The third unit deals with principles of electrochemistry as they apply to corrosion and industrial galvanic/electrolytic cells.

**Qualifications:**

Candidates must have a minimum of a B.Sc. or B.A.Sc. in Chemical Engineering or a related field. Applicants with previous teaching experience with demonstrated student mentoring at the University level will be preferred. Candidates must have excellent communication, organizational, and time management skills.

**Expected Enrolment (subject to change):** 60 students

The above course will be taught on campus. APSC 132 Extended Program classes begin February 27 to April 13, 2024, resuming May 1 to June 16, 2024 (this includes June 12 to 16 exam period).
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.
https://www.queensu.ca/humanresources/working-queens/unions-and-associations

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@queensu.ca. Applications should be submitted by midnight EST on October 20, 2023.

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