Department of Chemical Engineering  
Term Adjunct Position  
Winter 2023 Term

Posting Date: September 30, 2022  
Closing Date: October 17, 2022

The Department of Chemical Engineering at Queen’s University requests applications from suitably qualified candidates interested in teaching the following undergraduate course in the Winter 2023 Term. Appointment to start December 1, 2022, to allow for preparation.

**APSC 132 (Chemistry of Natural and Engineered Systems)**  
(Twelve-week course between January 1, 2023, to April 30, 2023)

**APSC 132 – Chemistry of Natural Engineered Systems**
This course 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.

In addition to supporting the teaching team with course delivery (lectures, tutorials), the successful candidate will also be responsible for providing administrative support to the teaching team, including the following duties:

- Scanning documents
- Posting notes to course webpages
- Enrolment report queries
- Room bookings for special tutorials, midterms, review sessions, etc.
- Administer course evaluations
- Print exams and quizzes
- Process exams (count, scan, check, and upload, and distribute)
- Process final course grades
- Communicate with students about disability and accommodation requests
- Managing course related questions from students (e-mails etc.)

The course will be taught on campus.

**Qualifications:**
Minimum of B.Sc. or B.A.Sc. in Chemical Engineering or a related field. Previous teaching experience with demonstrated student mentoring at the University level will be preferred. Candidates must have excellent communication, organizational, and time management skills.
The University invites applications from all qualified individuals. Queen’s University is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal people, 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, www.qufa.ca 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, april.hiles@queensu.ca, Administrative Assistant, Chemical Engineering.

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 other relevant 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 April Hiles at april.hiles@queensu.ca Applications should be submitted by midnight in Kingston on October 17, 2022

Chemical Engineering Term Adjunct Appointments Committee
C/O April Hiles
The Department of Chemical Engineering
Room 201, Dupuis Hall
19 Division Street
Queen’s University, Kingston, Ontario K7L 3N6
613-533-2766