



**Department of Chemical Engineering
Term Adjunct Position
2021 Winter term**

Posting Date: October 27, 2020

Closing Date: November 20, 2020

The Department of Chemical Engineering at Queen's University requests applications from suitably qualified candidates (as outlined in PSAC 901 Collective Agreement, Article 12.08 <http://queensu.ca/facultyrelations/teaching-assistants-and-fellows/collective-agreement>) interested in teaching the following **undergraduate course** in the 2021 Winter Term.

**CHEE 490 Polymer Formulations and Processing Technology
January 1, 2021 to April 30, 2021**

Course Description

CHEE 490 Polymer Formulations and Processing Technology

The design and manufacture of polymer products is reviewed, with particular emphasis on materials selection and processing technology. The engineering properties of elastomers, thermoplastics, adhesives, fibres and coatings are discussed in terms of processing characteristics and end-use performance. Industrial processing operations such as extrusion, molding, mixing and film manufacture are presented in detail. The design component of the course requires students to select appropriate materials and processing methods for an engineering application. Examples might include medical catheters, engine gaskets and biodegradable packaging

Qualifications:

Minimum of a M.A.Sc. in Chemical, Mechanical, Polymer Engineering or a related field.

Experience in polymer characterization, processing and rheology. 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 course will be taught remotely.

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 Tanya Lighthart, ligthart@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 by e-mailing Tanya Lighthart at ligthart@queensu.ca . Applications should be submitted by midnight in Kingston on **November 20, 2020**.