

Course: CHEM 574

Instructor: David Ronis (2./3) Chris Barrett (1/3)

Instructor email: David.Ronis@McGill.CA

Brief course description:

A survey course on the structure of polymers, kinetics and mechanisms of polymer and co-polymer synthesis; characterization and molecular weight distributions; polymer micro-structure, the thermodynamics and rheology of polymer solutions; the crystalline and amorphous states, rubber elasticity and structure-property relationships.

Method of Delivery:

zoom for all lectures

Evaluation Scheme:

Homework 10%

Midterm exam 40%

Term Paper/Project 50%

Example:

Course: CHEM 213

Instructor: Amy Blum

Instructor email: amy.blum@mcgill.ca

Brief course description:

This course will give an overview of physical chemistry concepts surrounding energy and apply them to relevant problems such as combustion, material properties, and batteries. We will place phenomenological observations of the world into quantitative terms that enable us to predict events and behaviors, ultimately enabling the design of modern materials and devices.

Method of Delivery:

Recorded content videos with live problem solving/tutorial sessions

Evaluation Scheme:

25% Weekly short quizzes (12, drop 2)

25% Online midterm 1 Oct 8

25% Online midterm 2 Nov 19

25% Final project: Thermodynamics and technology