

**Course: CHEM 621**

**Instructor: James Gleason**

**Instructor email:** jim.gleason@mcgill.ca

**Brief course description:** This course will review basic concepts in organic mechanisms, including structure, bonding and basic reactivity, and then delve into mechanisms of reactions with a focus on molecular orbital descriptions and electronic structure. Evaluations will include a series of problem sets, quizzes and a term project where students will examine the mechanism of a fundamental organic transformation using DFT calculations.

**Method of Delivery:** Live Zoom lectures. If all registered students are able to attend, classes may be in-person, pending University approval and provincial guidelines.

**Evaluation Scheme:**

Problem Sets:	4 x 5%
Quizzes:	4 x 15%
Term Project	20%