

## **CHEM 3220 Organic Reactions: Reactivity and Selectivity**

### **Course Description:**

This course includes: the chemistry of alcohols, phenols, ethers, epoxides, aldehydes and ketones, enolates.

### **Pre-requisite:**

CHEM2200

### **Main Course Outline (for reference only):**

1. Introduction and review, pKa values.
2. Nucleophilic substitution at saturated carbon
3. Synthetic application of nucleophilic substitution
4. Elimination reactions
5. Electrophilic addition to multiple bonds
6. Nucleophilic addition to carbonyl and related groups
7. Nucleophilic substitution of carboxyl and related groups
8. Radical reactions