

# CHEM 214: Organic Chemistry II, part 2

This is a continuation of Organic Chemistry I, with the goal of providing a solid foundation in organic chemistry. The second semester will cover alcohols, esters, carboxylic acids, amides, ethers, amines, aldehydes, and ketones, with a brief overview of some biologically relevant structures such as carbohydrates, amino acids, DNA, RNA, and lipids. The application of the above topics to synthetic organic chemistry will be emphasized, and connections between the fields of organic chemistry and biochemistry, medicine, and pharmacology will be highlighted.

This is the second part of a two-part course. The completion of the first part (CHEM 213) is required before taking the second part. Registration is required separately for each part of the course.

## Learning Objectives

- Draw and interpret chemical structures
- Predict chemical properties based on structural information
- Predict products for chemical reactions
- Draw mechanisms for chemical transformations

**Credits:** 2

**Class Type:** Graduate Course

**Prerequisites:**

CHEM 213

The above course(s) or permission from the instructor.

**Program:** Biochemistry, Chemistry, Pharmacology, and Toxicology

**Availability** Currently Not Available