**Nebraska Wesleyan University**

# CHEM 130 Organic Chemistry III: Intermediate Organic Chemistry

## Catalog

2012-2013

## Course Description

Reactions, mechanisms, and the application of the infrared, 1H NMR, 13C NMR, UV/Visible, and mass spectrometry to molecular structure determination are presented. Emphasis is placed on the interpretation of spectra to determine structures of organic molecules. The laboratory involves synthesis, the use of the spectrometer, and problem solving with discussion groups.

One lecture and one 3-hour lab per week.

*Prerequisite(s): CHEM 121 Organic Chemistry II: Synthesis and Mechanisms*.

## Course Hours

2 hours

## Departments

1. Chemistry