Course:

CHEM 3090 Organic Chemistry III: Intermediate Organic Chemistry

2 hours

Majors, Minors & Degrees:

Majors

Chemistry (B.A.)
Chemistry (B.S.)

Departments/Programs:

Chemistry

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 three-hour lab per week.
Prerequisite(s): CHEM 2110 Organic Chemistry II: Synthesis and Mechanisms