Nebraska Wesleyan University

CHEM 4050 Advanced Organic Chemistry

Catalog

2014-2015

Course Description

Topics presented in this course are reaction mechanisms, modern synthetic methodology, and the application of molecular modelling computational methods to organic chemistry. The laboratory work includes syntheses illustrative of special techniques, experiments concerned with the determination of reaction mechanisms, use of molecular modelling and molecular orbital computational programs, and research simulation.
Two lectures and two 3-hour laboratories per week.
Prerequisite(s): CHEM 3510 Physical Chemistry I, Thermodynamics and Kinetics. MATH 1610 Calculus II strongly recommended.

Course Hours

4 hours

Departments

1. Chemistry