

Nebraska Wesleyan University

Catalog 2011-2012

## CHEM 252 Advanced Organic Chemistry

4 hours

Majors, Minors & Degrees:

**Majors**

Chemistry (B.S.)

Departments/Programs:

Chemistry

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 labs per week.

*Prerequisite(s): CHEM-221. MATH-106 strongly recommended.*