

B.A. Sophomore Year – Fall Semester Lecture

CEM 251 Organic Chemistry I

Description: Common classes of organic compounds including their nomenclature, structure, bonding, reactivity, and spectroscopic characterization.

Credit: 3 Credits (3 hours lecture, 1 hour recitation per week)

Prerequisite: CEM 141 or CEM 151 or CEM 181H or LBS 171

Lecture topics:

- Structure and Bonding
- Organic Compounds, Alkanes
- Alkenes
- Stereochemistry
- Alkynes
- Delocalization
- Dienes
- Radicals
- Substitutions
- Eliminations
- Alcohols, Ethers
- Aromaticity, Benzene
- Substituted Benzenes