

B.S. Sophomore Year – Fall Semester

CEM 351 Organic Chemistry I

Description: Structure, bonding, and reactivity of organic molecules.

Credit: 3 credits. (3 hours lecture, 1 hour of recitation)

Prerequisite: CEM 152 or CEM 182H or CEM 142 or LBS 172. Not open to students with credit in CEM 251.

Lecture Topics:

1. Structure
2. Alkanes
3. Alkenes and Rings
4. Stereochemistry
5. Elimination and Substitution
6. Equilibria and Kinetics
7. Alkene Reactions
8. Radical Reactions
9. Dienes Aromaticity
10. Aromatic Substitution Reactions