

CHM 305 Organic Chemistry II 2+1+0 (3 Credit)

Pre-requisites: CHM 205

Alcohols and their reactions; Ethers and epoxides, carboxylic acids and their derivatives, aldehydes and ketones; Carbanions I and II – Unsaturated compounds, Carbanion II – Amines, Aromatic and Alicyclic chemistry.

Preparation and reactions of benzene derivatives. Electrophilic and nucleophilic substitution in the benzene ring. Carbonyl chemistry and synthetic applications. Stereochemistry: Stereochemistry of organic compounds and optical isomerism of compounds with one or more asymmetric centres. Concepts of chirality and absolute configuration. The synthesis of alicyclic compounds and their stereochemistry. Introduction to mechanistic organic chemistry.