

SYLLABUS :-

Prerequisite: CY30103

Ideal synthesis; fundamentals of retrosynthesis, symmetry, stereochemistry, conformation analysis, molecular mechanics, stereocontrol, ring formation, reactivity, selectivity, catalysis, organometallic reactions. Functional group transformations, umpolung and protecting groups.

Synthetic strategies and selected total syntheses

Textbook: M. B. Smith, Organic Synthesis. F. A. Carey and R. J Sundberg, Advanced Organic Chemistry, Part B.