



OC303 Jan 3

Physical Methods of Structure Elucidation

Instructor

K. R. Prabhu

Email: prabhu@iisc.ac.in

Teaching Assistant

Email:

Department: Organic Chemistry

Course Time: 11:30 AM

Lecture venue: MMCR (Multi Media Class Room), Organic Chemistry

Detailed Course Page:

Announcements

Brief description of the course

Structural elucidation of organic compounds using physical methods.

Principles underlying the following techniques and their applications in organic chemistry will be discussed:

Ultraviolet, Visible, Infrared, NMR (^1H and ^{13}C) Spectroscopy, and Mass Spectrometry

Prerequisites

MSc, BSc, senior UG

Syllabus

Structural elucidation of organic compounds using physical methods.

Principles underlying the following techniques and their applications in organic chemistry will be discussed:

Ultraviolet, Visible, Infrared, NMR (^1H and ^{13}C) Spectroscopy, and Mass Spectrometry

Course outcomes

Students understand the basic principles of spectroscopy and able to solve structural problems, particularly

Organic Molecules.

Grading policy

Assignments, midterm examination, and final examination

Assignments

Resources