UC207 Jan. 2:1
Instrumental Methods of Chemical Analysis

Instructor
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Department: Undergraduate Program in Chemical Sciences
Course Time: MONDAY, WEDNESDAY, 9 AM-10 AM
Lecture venue: UG Lecture Hall
Detailed Course Page:

Announcements

Brief description of the course
The course covers the basics of analytical techniques used in Chemistry and chemical research such as Chromatography, Solvent extraction, Spectroscopy (UV-Vis, IR, NMR and Fluorescence) etc.

The theory part of the course is supported by laboratory practicals.

Prerequisites
The course requires a basic background in Chemistry and Mathematics up to the 12th Standard.

Syllabus
Chromatography, Solvent extraction, Spectroscopy (UV-Vis, IR, NMR and Fluorescence), Mass spectrometry, Structural elucidation

Course outcomes
The students get an idea of the different analytical tools required for carrying out research in Chemistry and Materials.

Grading policy
65 % Theory part (which is split is 50% mid-semester and 50% final) and 35% laboratory part.
Assignments

Resources
Fundamentals of Analytical Chemistry by Skoog and West.