



UES 206 Jan 1:2

Experimental Methods in Environmental Chemistry

Instructor

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Department: UG Program

Course Time:

Lecture venue:

Detailed Course Page:

Announcements

Brief description of the course

Teaches the students, geochemical and anthropogenic principles that determine water quality and contemporary laboratory practice to determine water quality

Prerequisites

Nil

Syllabus

Geochemical characterization of water quality, Characterization of inorganic pollutants in water using spectroscopic and chromatographic techniques,

Estimation of microbial contaminants in water .

Estimation of soil surface sorption properties

Course outcomes

Teaches the student about the geochemical and anthropogenic causes that cause water pollution, permissible limits of common pollutants in drinking water and provides hands on experimental practice to determine the pollutant concentrations in water samples

Grading policy

50 % mid-term and 50 % final

Assignments

1-2 per term

Resources

APHA, 1999 Standard methods for the examination of water and wastewater. American Public Health Association, 20th edition, Washington DC.

2. SP 36 : Part 1 : 1987 Compendium of Indian standards on soil engineering: Part 1- Laboratory testing of soils for civil engineering purposes.

Paul L Younger 2007. Groundwater in the environment:An introduction. Blackwell Publishing