



CE203 AUG 3:0

SURFACE WATER HYDROLOGY

Instructor

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Teaching Assistant

Email:

Department: CIVIL ENGINEERING

Course Time:

Lecture venue:

Detailed Course Page:

Announcements

Brief description of the course

The course is offered to MTech and PhD students of Civil Engineering. It could be of interest to students in Earth Sciences, ICWaR and Atmospheric Sciences disciplines. The course entails topics covering analysis of various hydrometeorological and hydrological processes in river basins, and environmental extremes (floods).

Prerequisites

None

Syllabus

Review of basic hydrology; Hydrometeorology; Evapotranspiration; Infiltration

Runoff and hydrograph analysis; Flood routing - lumped, distributed and dynamic approaches; Hydrologic statistics; Frequency analysis and probability; Introduction to environmental hydrology; Urban hydrology;

Design issues in hydrology

Course outcomes

Students would learn about procedures for analysis of various hydrometeorological and hydrological processes

in river basins, and environmental extremes (floods).

Grading policy

10% for assignments, 40% for mid-term (two tests), 50% for end-term exam

Assignments

Resources