

COURSE DETAIL

INTRODUCTION TO ENVIRONMENTAL HYDROLOGY

Country

China

Host Institution

Fudan University

Program(s)

Fudan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

163

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO ENVIRONMENTAL HYDROLOGY

UCEAP Transcript Title

INTR ENVR HYDROLOGY

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course aims to introduce the fundamentals of environmental hydrology as well as some basic hydrological analysis and simulation methods. As an important tool for hydrologists, Geographic Information System (GIS) and its applications in hydrology are also introduced. Specifically, this course contains

three modules:

- (1) introduction to the fundamental theories on hydrologic processes;
- (2) introduction to some commonly used hydrological analysis methods
- (3) introduction to using SWAT (Soil and Water Assessment Tool) for hydrological process simulations.

Language(s) of Instruction

English

Host Institution Course Number

ENVI130063

Host Institution Course Title

INTRODUCTION TO ENVIRONMENTAL HYDROLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Department of Environmental Science and Engineering

Course Last Reviewed

2024-2025

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