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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