

COURSE DETAIL

RIVER ENGINEERING

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

120

UCEAP Course Suffix**UCEAP Official Title**

RIVER ENGINEERING

UCEAP Transcript Title

RIVER ENGINEERING

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

The course introduces fundamental issues including river morphology, streamflow measurements, open-channel hydraulics, water quality issues, and sediment transport. It covers advanced issues on water resources-related subjects. Students are required to use knowledge acquired in elementary fluid mechanics, hydraulics, and hydrology. Topics include river engineering issues, investigation of rivers, planning, in-stream structures, and urban streams. Students learn general features of rivers, role of river engineering, and how to manage rivers for both nature and humans.

Prerequisite: Elementary Fluid Mechanics

Language(s) of Instruction

English

Host Institution Course Number

CEE3422

Host Institution Course Title

RIVER ENGINEERING

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Civil and Environmental Engineering

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