

## 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 Course Details

[http://ysweb.yonsei.ac.kr:8888/curri120601/curri\\_pop2.jsp?hakno=CEE3422&bb=01&s...](http://ysweb.yonsei.ac.kr:8888/curri120601/curri_pop2.jsp?hakno=CEE3422&bb=01&s...)

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Civil and Environmental Engineering

## Course Last Reviewed

2021-2022

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