COURSE DETAIL

WATER MANAGEMENT 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
104

UCEAP Course Suffix

UCEAP Official Title
WATER MANAGEMENT ENGINEERING

UCEAP Transcript Title
WATER MGMT ENGINRNG

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

Water management engineering includes infrastructures and management for water cycle in natural and engineered environments.

This course covers fundamental knowledge about water infrastructure engineering for natural water cycle and engineered water cycle with emphases on the effects of climate change and urbanization on natural water cycle, and urban water supply and wastewater sanitation.

In addition to fundamental knowledge, students use principles, mathematical equations, and machine learning to solve water infrastructure problems. This course is intended for 3rd year undergraduate students of Civil and Environmental Engineering or similar.

Prerequisite: Environmental Engineering and Lab course in CEE or similar department. . Assessments: Midterm exam (30%), final exam (30%), team project (15%), homework (15%), participation (10%).

Language(s) of Instruction
English

Host Institution Course Number
CEE3414

Host Institution Course Title
PHYSICO-CHEMIRAL WATER TREATMENT/SUPPLY ENGINEERING

Host Institution Course Details
https://underwood1.yonsei.ac.kr/

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Civil and Environmental Engineering

Course Last Reviewed
2025-2026

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