

COURSE DETAIL

HYDROSYSTEMS ENGINEERING

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering

UCEAP Course Number

101

UCEAP Course Suffix**UCEAP Official Title**

HYDROSYSTEMS ENGINEERING

UCEAP Transcript Title

HYDROSYSTEM ENGINE

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces the hydrologic cycle and relevant atmospheric processes: water and energy balance, radiation, precipitation, snow, infiltration, evaporation, transpiration, groundwater flow, streamflow, and flood processes. In addition, AI applications in hydrologic processes are covered. Topics include The Hydrologic Cycle, Atmospheric Water, Runoff and Streamflow, Groundwater, and Soil Water.

Prerequisite: ELEMENTARY FLUID MECHANICS

Language(s) of Instruction

English

Host Institution Course Number

CEE3412

Host Institution Course Title

HYDROSYSTEMS ENGINEERING

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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