

COURSE DETAIL

ARTIFICIAL INTELLIGENCE AND CIVIL AND ENVIRONMENTAL 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

107

UCEAP Course Suffix**UCEAP Official Title**

ARTIFICIAL INTELLIGENCE AND CIVIL AND ENVIRONMENTAL ENGINEERING

UCEAP Transcript Title

AI & CIVIL ENGINEER

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces machine learning for Artificial Intelligence system design and implementation. Upon successful completion of this course, students should be able to explain the concepts of different machine learning models used in civil and environmental engineering areas; identify proper machine learning models and learning techniques for regression and classification tasks; apply machine learning models to generate useful information from raw data; evaluate outcomes of machine learning models based on evidence-based judgments; and create a machine learning model to generate useful information from raw data.

Prerequisite: ENG1108 - ENGINEERING INFORMATION PROCESSING

Language(s) of Instruction

English

Host Institution Course Number

CEE3605

Host Institution Course Title

ARTIFICIAL INTELLIGENCE AND CIVIL AND ENVIRONMENTAL ENGINEERING

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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