

## COURSE DETAIL

### ECOLOGICAL 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**

110

**UCEAP Course Suffix****UCEAP Official Title**

ECOLOGICAL ENGINEERING

**UCEAP Transcript Title**

ECOLOGY ENGINEERING

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course develops foundations for basic concepts in ecology and ecological engineering, introduces recent development in ecological engineering, focusing on constructed wetlands and restoration ecology, and provides understanding of the application of ecological ideas to environmental issues employing engineering approaches. Topics include history and scope of ecological engineering, ecosystem structures and functions, terrestrial ecosystems, aquatic ecosystems, and conservation ecology. Prerequisites: General Biology and Chemistry with labs, Environmental Sciences or Environmental Engineering, Ecology or Environmental Ecology preferred, but not required.

## Language(s) of Instruction

English

## Host Institution Course Number

CEE3203

## Host Institution Course Title

ECOLOGICAL ENGINEERING

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Civil and Environmental Engineering

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