

# COURSE DETAIL

## SEDIMENTARY ENVIRONMENTS

**Country**

Korea, South

**Host Institution**

Yonsei University

**Program(s)**

Yonsei University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Earth & Space Sciences

**UCEAP Course Number**

120

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

SEDIMENTARY ENVIRONMENTS

**UCEAP Transcript Title**

SEDIMENTARY ENVINT

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course provides upper-level undergraduate students an holistic overview of physical processes that develop alluvial, eolian, lake, delta, shoreline, and shallow-marine, tidal depositional systems. The focus of this class ranges from applications of the basic principles i.e., sediment transport and depositional mechanics to stratigraphy and basin interpretation in various depositional environments. Topics include Interpreting sedimentary successions, Ichnology and facies models, Siliciclastic facies models, Glacial deposits, Alluvial deposits, Eolian systems, Wave-and storm-dominated shoreline and shallow-marine systems, Tidal depositional systems, Deltas, Transgressive wave-dominated coasts, Deep-marine sediments and sedimentary systems, and Lakes.

Prerequisite: Sedimentary Petrology

### Language(s) of Instruction

English

### Host Institution Course Number

ESS4133

### Host Institution Course Title

SEDIMENTARY ENVIRONMENTS

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

[Print](#)