

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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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