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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