COURSE DETAIL

COASTAL GEOSCIENCE
Country Denmark
Host Institution University of Copenhagen
Program(s) University of Copenhagen
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies Earth & Space Sciences
UCEAP Course Number 138
UCEAP Course Suffix
UCEAP Official Title COASTAL GEOSCIENCE
UCEAP Transcript Title COASTAL GEOSCIENCE
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course provides a broad and coherent understanding of sediment transport, geomorphological processes, coastal deposits, and landforms in coastal environments. It builds an understanding and appreciation of coastal development over both short and long time spans and how (and why) changing boundary conditions (climate change; sea level change) affect these landscapes in the long term. This includes an appreciation of risks related to climate change along with possible adaptation strategies and measures. Topics include waves and currents; erosion and transport of sediments; beach and shoreface morphology; conceptual morphological models; stratigraphy and formation of coastal landscapes; beach erosion/accretion; coastal response to changes in sea-level, sediment supply and climate change.

Language(s) of Instruction
English

Host Institution Course Number
NIGK17014U

Host Institution Course Title
COASTAL GEOSCIENCE

Host Institution Course Details
https://kurser.ku.dk/course/nigk17014u/2023-2024

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree
Master

Host Institution Department
Geoscience and Natural Resource Management

Course Last Reviewed
2023-2024

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