COURSE DETAIL

INTRODUCTION TO ICE AGE PROCESSES AND ENVIRONMENTS
Country Denmark
Host Institution Aarhus University
Program(s) Aarhus University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Earth & Space Sciences
UCEAP Course Number 123
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO ICE AGE PROCESSES AND ENVIRONMENTS
UCEAP Transcript Title ICE AGE PROCESS&ENV
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

This course starts with a short introduction to the ice age theory, followed by a review of the formation of continental ice sheets, isostatic movements and eustatic sea-level fluctuations. Thereafter follows an introduction to the study methods of the properties of Quaternary and glacial deposits, and their dating. Subsequently, glacial erosion, transport and deposition are introduced, followed by a review of the origin and properties of tills, meltwater deposits, and glaciolacustrine and glaciomarine deposits. Finally, an overview is given of the periglacial environment (processes and landforms). A two-day field excursion in Jutland demonstrates some glacial landforms and deposits.

Language(s) of Instruction
English

Host Institution Course Number
535141U001

Host Institution Course Title
INTRODUCTION TO ICE AGE PROCESSES AND ENVIRONMENTS

Host Institution Course Details
https://kursuskatalog.au.dk/en/course/130461/Introduction-to-Ice-Age-Processes-...

Host Institution Campus
Aarhus

Host Institution Faculty
Natural Sciences

Host Institution Degree
Bachelor

Host Institution Department
Geoscience

Course Last Reviewed
2025-2026

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