

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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