

COURSE DETAIL

GLACIERS AND GLACIATION

Country

United Kingdom - Scotland

Host Institution

University of St Andrews

Program(s)

University of St Andrews

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

107

UCEAP Course Suffix**UCEAP Official Title**

GLACIERS AND GLACIATION

UCEAP Transcript Title

GLACIERS&GLACIATION

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

The course introduces students to major issues in modern glaciology, and to provides them with an understanding of how glaciers behave and why. The first part of the course explores the fundamental elements of glacier systems (accumulation, ablation, meltwater, ice flow processes, etc.), and explains how these interact to produce specific glacier behaviors (advance and retreat cycles, surges, etc). The second part of the course develops an understanding of the Greenland and Antarctic Ice Sheets and Mountain Glaciers, and how they impact other parts of the Earth system, including the oceans. The course develops a holistic understanding of glacier science, emphasizing the links between physical processes at a wide range of spatial and temporal scales.

Language(s) of Instruction

English

Host Institution Course Number

GG3263

Host Institution Course Title

GLACIERS AND GLACIATION

Host Institution Campus

University of St Andrews

Host Institution Faculty

Host Institution Degree

Host Institution Department

School of Geography & Geosciences

[Print](#)