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 Course Details
https://www.st-andrews.ac.uk/subjects/modules/catalogue/?code=GG3263&academic_y...

Host Institution Campus
University of St Andrews

Host Institution Faculty

Host Institution Degree

Host Institution Department
School of Geography & Geosciences

Course Last Reviewed

2022-2023

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