

COURSE DETAIL

THE ARCTIC CIRCLE

Country

Iceland

Host Institution

University of Iceland

Program(s)

University of Iceland

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Geography Earth & Space Sciences

UCEAP Course Number

115

UCEAP Course Suffix**UCEAP Official Title**

THE ARCTIC CIRCLE

UCEAP Transcript Title

ARCTIC CIRCLE

UCEAP Quarter Units

3.20

UCEAP Semester Units

2.10

Course Description

The Arctic is expected to become more important in the coming decades as climate change makes natural resources and transport routes more accessible creating threats to fragile ecosystems and societies as well as economic opportunities. Satellite data collected since 1979 shows that both the thickness of the ice in the Arctic and range of sea ice have decreased substantially, especially during the summer months. The melting of the ice facilitates natural resource exploration in the high north. U.S. Geological Survey estimates from 2008 suggest that 13 percent of the world's undiscovered oil and 30 percent of undiscovered natural gas reserves are located in the Arctic Circle. Moreover, the retreating and thinning of the ice opens up new trade routes. This course enables and relies on the participation of graduate and advanced undergraduate students in the Arctic Circle Assembly conference in Harpa, Reykjavik. Students are required to attend the Arctic Circle Assembly. Students have to attend one class shortly before the Assembly and one class shortly after the Assembly.

Language(s) of Instruction

English

Host Institution Course Number

UAU018M

Host Institution Course Title

THE ARCTIC CIRCLE

Host Institution Campus

Host Institution Faculty

Faculty of Life and Environmental Sciences/Engineering and Natural Sciences

Host Institution Degree

Host Institution Department

[Print](#)