

COURSE DETAIL

BIOGEOCHEMISTRY

Country

Norway

Host Institution

University of Oslo

Program(s)

University of Oslo

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Earth & Space Sciences Biological Sciences

UCEAP Course Number

147

UCEAP Course Suffix**UCEAP Official Title**

BIOGEOCHEMISTRY

UCEAP Transcript Title

BIOGEOCHEMISTRY

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course focuses on couplings between biological, geological, and chemical processes; on the interactions between climate and the environment; and human impacts on these processes. It covers the development of the biosphere on Earth and the major biogeochemical interactions in air, land, and water; the biogeochemical cycles of carbon, nitrogen, phosphorus, sulphur, and mercury; the major processes governing these cycles and how these cycles are linked; why and how the biogeochemical system is changing; and how climate and biogeochemical processes mutually interact. The course develops skills in calculation of chemical speciation by use of a speciation program, as well as the ability to perform simple mass balance calculations.

Language(s) of Instruction

English

Host Institution Course Number

BIOS3070

Host Institution Course Title

BIOGEOCHEMISTRY

Host Institution Campus

Host Institution Faculty

Mathematics and Natural Sciences

Host Institution Degree

Host Institution Department

Biosciences

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