

## 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 Course Details

<https://www.uio.no/studier/emner/matnat/ibv/BIOS3070/index-eng.html>

## Host Institution Campus

## Host Institution Faculty

Mathematics and Natural Sciences

## Host Institution Degree

## Host Institution Department

Biosciences

## Course Last Reviewed

2023-2024

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