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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