

COURSE DETAIL

FRESHWATER ECOLOGY

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

174

UCEAP Course Suffix**UCEAP Official Title**

FRESHWATER ECOLOGY

UCEAP Transcript Title

FRESHWATER ECOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course uses general ecological understanding and new research and discoveries to understand the applied aspects of the management of freshwaters. The course includes excursions, practical field work, theoretical exercises, and different models. Important themes covered in the course are: diversity of lakes and running waters in Denmark and globally; physical-chemical environment, sources of nutrients and their transport and turn over; living conditions in water; origin and development of lakes and rivers in a geological timeframe, eutrophication, and remediation in recent time; biology of plants and animals in lakes and running waters: dispersal, numbers, growth regulation and adaptations; biological interactions in lakes among phytoplankton, macrophytes, bacteria, zooplankton, benthic animals, fish and birds; bio-manipulation and chemical methods in remediation; biological interactions in running waters among periphyton, macrophytes, benthic animals, and fish; unique environment and dynamics in running water; quality of running waters and how to judge from their biology; global change and biodiversity in lakes and running waters.

Language(s) of Instruction

English

Host Institution Course Number

NBIK14004U

Host Institution Course Title

FRESHWATER ECOLOGY

Host Institution Campus

Science

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biology

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