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 Course Details

Host Institution Campus
Science

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biology

Course Last Reviewed

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