COURSE DETAIL

LIMNOLOGY
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 183
UCEAP Course Suffix
UCEAP Official Title LIMNOLOGY
UCEAP Transcript Title LIMNOLOGY
UCEAP Quarter Units 12.00
UCEAP Semester Units 8.00

Course Description

The main focus of this course is the structure and function of limnic ecosystems. It presents recent theories and models about physical processes and biogeochemical cycles in relation to organisms and their interactions. In this context, the course discusses the microbial loop and trophic interaction hypotheses. Moreover, human's influence on the limnic ecosystem is illustrated. The course also includes training in chemical analysis and water sampling technique as well as exercises in species knowledge of phytoplankton, zooplankton, macrophytes, macroinvertebrates and fish. Teaching is performed as lectures, workshops, and group discussions. During one week, students get experience in field sampling in oligotrophic lakes at the Aneboda Field Station in Småland. In addition, a eutrophic lake in Scania is studied during a one-day excursion. Collected samples are analyzed for water chemistry and organisms, and data are interpreted in lake-systems perspective. All field work is carried out as several group projects that are planned and designed in advance by the students under teacher supervision.

Language(s) of Instruction
English

Host Institution Course Number
BIOR17

Host Institution Course Title
LIMNOLOGY

Host Institution Course Details
https://www.biology.lu.se/education/undergraduate-graduate-studies/courses/adva...

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree
Host Institution Department Biology
Course Last Reviewed 2022-2023

Print