

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 Campus

Host Institution Faculty

Science

Host Institution Degree

Host Institution Department

Biology

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