

# 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

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