

## Lacustrine Systems (C004493)

**Course size** *(nominal values; actual values may depend on programme)*

**Credits 4.0**

**Study time 120 h**

**Course offerings and teaching methods in academic year 2023-2024**

A (semester 2)

English

Gent

peer teaching

**Lecturers in academic year 2023-2024**

Vyverman, Wim

WE11

lecturer-in-charge

Verleyen, Elie

WE11

co-lecturer

**Offered in the following programmes in 2023-2024**

[Master of Science in Marine and Lacustrine Science and Management](#)

**crdts**

4

**offering**

A

**Teaching languages**

English

**Keywords**

Inland aquatic ecosystems, advanced limnology, structure and ecosystem functioning, aquatic biodiversity and conservation.

**Position of the course**

This course provides advanced insights into the physical-chemical and biological characteristics of inland aquatic ecosystems, their function, evolutionary history and management.

**Contents**

Physical and chemical limnology, community ecology, evolutionary history of selected lake biota, climate and environmental change, conservation, exploitation and management.

**Initial competences**

Introductory courses chemistry, physics, limnology, ecology and biodiversity.

**Final competences**

- 1 Students have advanced understanding of the functioning of inland aquatic ecosystems and the evolution of their biota.
- 2 Students are able to write a literature overview of a topic related to studying lacustrine systems.
- 3 Students are able to give a short lecture on a topic in the field of limnology for their peers

**Conditions for credit contract**

Access to this course unit via a credit contract is determined after successful competences assessment

**Conditions for exam contract**

This course unit cannot be taken via an exam contract

**Teaching methods**

Independent work, Peer teaching

**Extra information on the teaching methods**

interactive discussion after the microteaching lectures

Didactic tools and methods can change in response to measures taken to reduce the spread of COVID19

**Learning materials and price**

Scientific publications from international peer-reviewed journals and specialised handbooks.

**References**

**Course content-related study coaching**

Students can ask questions after making an appointment with the lecturers. Questions can also be asked during contact moments of assignments.

**Assessment moments**

end-of-term assessment

**Examination methods in case of periodic assessment during the first examination period**

Participation, Presentation, Written assessment, Assignment

**Examination methods in case of periodic assessment during the second examination period**

Written assessment, Assignment

**Examination methods in case of permanent assessment****Possibilities of retake in case of permanent assessment**

not applicable

**Extra information on the examination methods**

Students will be evaluated based on (i) a written state-of-the-art of a topic in limnological research, (ii) a lecture on this topic given to their peers, (iii) an interactive discussion after the lecture, and (iv) their participation in the discussions after the microteaching lectures of their peers.

**Calculation of the examination mark**

The final exam score comprises the evaluation of the written state-of-the-art (40%), the microteaching lecture (20%), the questions & answer session after the lecture (20%), and the participation during the Q&A session following the presentations given by the other students (20% of the final score).