

## Lacustrine Systems (C002493)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

**Course size** *(nominal values; actual values may depend on programme)*  
**Credits** 3.0      **Study time** 90 h      **Contact hrs** 20.0 h

### Course offerings and teaching methods in academic year 2022-2023

A (semester 2)	English	Gent	lecture	15.0 h
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### Lecturers in academic year 2022-2023

Vyverman, Wim	WE11	lecturer-in-charge
Verleyen, Elie	WE11	co-lecturer

### Offered in the following programmes in 2022-2023

	crdts	offering
<a href="#">Master of Science in Marine and Lacustrine Science and Management</a>	3	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 and design a research proposal for obtaining a PhD scholarship on a topic related to studying lacustrine systems.

### 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

Guided self-study, lecture, online discussion group

### Extra information on the teaching methods

discussion fora

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

**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.

**Evaluation methods**

end-of-term evaluation

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

Written examination, assignment

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

Written examination, assignment

**Examination methods in case of permanent evaluation**

**Possibilities of retake in case of permanent evaluation**

not applicable

**Extra information on the examination methods**

Students will be evaluated based on a written state-of-the-art and a project proposal to obtain a PhD scholarship on a topic in limnological research. During an oral exam, the general knowledge of the students regarding the selected topic will be evaluated.

**Calculation of the examination mark**

The final exam score comprises the evaluation of the state-of-the-art (40%), the research proposal (40%) and the oral exam (20% of the final score).