GHENT UNIVERSITY

Course Specifications

Valid as from the academic year 2026-2027

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 2026-2027

A (semester 2)	English	Gent	peer teaching

Lecturers in academic year 2026-2027

Verleyen, Elie	WE11	lecturer-in-charge

Offered in the following programmes in 2026-2027	**crdts**	**offering**
Master of Science in Marine and Lacustrine Science and Management	4	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

Study material

Type: Handouts

Name: scientific papers
Indicative price: Free or paid by faculty
Optional: no
Language : English
Oldest Usable Edition : 2024
Available on Ufora : No
Online Available : Yes
Available in the Library : Yes
Available through Student Association : No
Usability and Lifetime within the Course Unit : not applicable

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

Oral assessment, 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).