GHENT UNIVERSITY

Course Specifications

From the academic year 2020-2021 up to and including the academic year

Ecology of Coastal Seas (C002491)

Due to Covid 19, the education and assessment 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**	20.0h

Course offerings and teaching methods in academic year 2021-2022

A (semester 2)	English	Gent	lecture	20.0h

Lecturers in academic year 2021-2022

De Troch, Marleen	WE11	lecturer-in-charge
N., N.		co-lecturer

Offered in the following programmes in 2021-2022	**crdts**	**offering**
Master of Science in Marine and Lacustrine Science and Management	3	A

Teaching languages

English

Keywords

Coastal Seas, Ecology, Functional Biodiversity, continental shelf beds, sandy beaches, seagrass beds, rocky shores, coastal zone management.

Position of the course

To take an ecosystem approach to 'marine' coastal ecology. It will offer integrated approaches related to shallow coastal seas with a focus on case studies from European waters (North Sea, Baltic Sea, Mediterranean, Black Sea and Caspian Sea), including intertidal areas.

Contents

This course will describe and explain processes related to rocky shores and soft substrate environments (sandy beaches, mudflats, subtidal shallow sandbanks, reef systems). Emphasis will be given on whole-ecosystem approach going from physical structure and functioning, physical-biological interactions, nutrient fluxes, food web structure, community dynamics, biodiversity threads, nature conservation and management.

Initial competences

Basics in marine biology, geology, chemistry and oceanography.

Final competences

This discipline contributes to a multidisciplinar training of a marine and lacustrine scientist.

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

Lecture

Extra information on the teaching methods

A series of case studies are documented, presented by post-doc experts in marine biology.
remark: due to COVID19 on campus lectures can be replaced by online alternatives

Learning materials and price

Several handbooks and recent review articles.

References

Mann 2000: Ecology of coastal waters; several recent scientific papers.

Course content-related study coaching

Assessment moments

end-of-term assessment

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

Report, Written examination with open questions

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

Report, Written examination with open questions

Examination methods in case of permanent assessment

Possibilities of retake in case of permanent assessment

not applicable

Extra information on the examination methods

Calculation of the examination mark A seminar is presented by the students; interaction with the audience is in this case very important as well. Both aspects, seminar presentation, report and discussion are evaluated in equal parts.

Calculation of the examination mark