

Marine Extreme Systems (C004492)

Cursusomvang *(nominale waarden; effectieve waarden kunnen verschillen per opleiding)*

Studiepunten 4.0

Studietijd 120 u

Aanbodsessies en werkvormen in academiejaar 2023-2024

A (semester 1)

Engels

Gent

hoorcollege

werkcollege

Lesgevers in academiejaar 2023-2024

Vanreusel, Ann

WE11

Verantwoordelijk lesgever

Aangeboden in onderstaande opleidingen in 2023-2024

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

stptn

4

aanbodsessie

A

Onderwijstalen

Engels

Trefwoorden

Deep-sea, margin and polar systems, ecology and biogeochemistry, global change

Situering

Most important margin, deep-water and polar systems will be studied in an integrated way with focus on biological and bio(geo)chemical processes, including ecosystem dynamics in a context of global change

Inhoud

Structure, origin and evolution of systems that can be found along ocean margins, the deep sea or in polar environments such as cold seeps, mud volcanoes, cold water corals, carbonate mounds, hydrothermal vents, abyssal plains and ice margins. Study of their geological features, the ecological and biochemical processes, their ecosystem functions and biodiversity, the most important environmental drivers, their exploration, exploitation, threats (including anthropogenic activities and global change) and management.

Begincompetenties

General knowledge of marine biological, marine geological and biochemical processes.

Eindcompetenties

- 1 Students have advanced knowledge and insight in the ecology of margin systems and extreme environments, and how they evolve over time.
- 2 Students have insight in the aspects of management and societal context.

Creditcontractvoorwaarde

Toelating tot dit opleidingsonderdeel via creditcontract is mogelijk mits gunstige beoordeling van de competenties

Examencontractvoorwaarde

Dit opleidingsonderdeel kan niet via examencontract gevolgd worden

Didactische werkvormen

Werkcollege, Hoorcollege, Zelfstandig werk

Toelichtingen bij de didactische werkvormen

Individual study as a preparation for the discussions based on a selection of specialised papers.

Due to COVID 19 other teaching tools may be used when needed

Leermateriaal

Referenties

Vakinhoudelijke studiebegeleiding

During the course, students can ask questions at the end of each class or after making an appointment. At the end of the course, special sessions for answering questions can be organised. Questions can also be asked during contact moments of assignments.

Evaluatiemomenten

periodegebonden en niet-periodegebonden evaluatie

Evaluatievormen bij periodegebonden evaluatie in de eerste examenperiode

Schriftelijke evaluatie met open vragen

Evaluatievormen bij periodegebonden evaluatie in de tweede examenperiode

Schriftelijke evaluatie met open vragen

Evaluatievormen bij niet-periodegebonden evaluatie

Werkstuk

Tweede examenkans in geval van niet-periodegebonden evaluatie

Niet van toepassing

Toelichtingen bij de evaluatievormen

In addition to the exam there is an assignment by means of interactive discussions on specified subjects from the lectures, supplemented with specialized literature.

Eindscoreberekening

- 60% written exam
- 40% assignment