GHENT UNIVERSITY

# Course Specifications

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

## Blue Economy and Sustainable Use of Marine Resources (C004330)

**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 15.0** **Study time 375 h** **Contact hrs** 120.0h

**Course offerings in academic year 2021-2022**

A (semester 1) English Gent

**Lecturers in academic year 2021-2022**

| | | |
|---|---|---|
| Lundberg, Erik | GOTEB001 | lecturer-in-charge |
| Bergstrom, Per | GOTEB001 | co-lecturer |
| Blomberg, Anders | GOTEB001 | co-lecturer |
| Eggert, Hakan | GOTEB001 | co-lecturer |
| Gonzalez-Aregall, Marta | GOTEB001 | co-lecturer |
| Hansen, Andreas Skriver | GOTEB001 | co-lecturer |
| Hinchcliffe, James | GOTEB001 | co-lecturer |
| Knutsson, Per | GOTEB001 | co-lecturer |
| Laas, Kristjan | GOTEB001 | co-lecturer |
| Moksnes, Per | GOTEB001 | co-lecturer |
| Roques, Jonathan | GOTEB001 | co-lecturer |
| Schreiber, Milena Arias | GOTEB001 | co-lecturer |
| Sundell, Kristina | GOTEB001 | co-lecturer |
| Toth, Gunilla | GOTEB001 | co-lecturer |

| **Offered in the following programmes in 2021-2022** | **crdts** | **offering** |
|---|---|---|
| International Master of Science in Marine Biological Resources | 15 | A |

**Teaching languages**

English

**Keywords**

Sea and society, blue economy, biological resources, sustainability

**Position of the course**

**Contents**

In this course the students will apply the knowledge learnt in the course 'Blue Economy and Sustainable Use of Biological Resources' to real case studies. This course follows a project-based learning methodology. Students will work individually or in small teams, supervised by an academic supervisor, developing a practical project focused on one of the subjects taught in 'Blue Economy and Sustainable Use of Biological Resources'.
Specific subjects are:

1 Economic growth and social, economic and ecological sustainability. Marine governance systems. Laws and regulations of marine and maritime activities.

2 Environmental impact, management and regulations of international fisheries. Industrial fisheries vs artisanal fisheries. Ecosystem based fishery management.

3 Opportunities and future challenges of shipping, off-shore industry, and expansion into new environments. Impacts of deep-sea mining and development of the arctic.

4 Trends and challenges in marine tourism and recreation. Small-scale coastal exploitation and leisure boating. Sustainable uses and new perspectives.

5 Potential and challenges with marine aquaculture. New products and research. Legal and sustainability issues.

6 Legal, economic and ecological tools for a sustainable development. Monitoring and status assessment of the marine environment. Valuation of ecosystem services, polluter pays principles and ecological compensation.

**Initial competences**

Students have a sufficient educational background and practical skills in the field of marine sciences for accomplishing their tasks.

**Final competences**

1 Students should be able to integrate and apply their knowledge about the critical balance between economy and use, on the one hand, and ecosystem sustainability on the other hand, of marine and maritime activities of major importance for the society.
2 Students will also develop the necessary attitude, engagement and skills for understanding, exploring and communicating with stakeholders and general public about marine issues, including the environment and the natural resources.

**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**

Project

**Extra information on the teaching methods**

The course consists of project work on a topic related to blue economy and sustainable use of biological resources, which should result in an oral presentation and a written report.

**Learning materials and price**

**References**

**Course content-related study coaching**

**Assessment moments**

continuous assessment

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

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

**Examination methods in case of permanent assessment**

Oral examination, Assignment

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

examination during the second examination period is possible

**Calculation of the examination mark**

60% of the score will be given based on the student's report (in writing), their performance and activities. At the end of the course the students will organize a workshop where they will present publicly the results of their experience. Their oral and/or poster presentations will count for 40% of the final score.