GHENT UNIVERSITY

Course Specifications

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

Laboratory Methods B (C004280)

Course size *(nominal values; actual values may depend on programme)*

Credits 3.0 **Study time 84 h** **Contact hrs** 40.0h

Course offerings in academic year 2022-2023

A (semester 1) English Gent

Lecturers in academic year 2022-2023

Varela, João FAR001 lecturer-in-charge

Offered in the following programmes in 2022-2023	**crdts**	**offering**
International Master of Science in Marine Biological Resources	3	A

Teaching languages

English

Keywords

Laboratory methods, marine biology and ecology, fisheries, oceanography, environmental sciences, transferable skills

Position of the course

The objective of this course is to gain experience in laboratory methods in one or more of the following related areas: Biology, Marine Biology, Marine Ecology, Fisheries, Oceanography, and Environmental Sciences, by means of practical participation in research projects.

Contents

Each student will be assigned to one professor or researcher with a PhD degree coordinating the work process during the training period, named as supervisor, who will be responsible for the final evaluation, although other researchers may function as co-supervisors. The training period schedule will be planned according to the type of work and the student and supervisors schedule requirements, keeping in mind that the total number of work hours cannot be changed.

Initial competences

Background in a relevant scientific area.

Final competences

This is a practical training course. The objective is for the students to gain experience in real research and learn new methods. Thus, they will be integrated in research groups and will learn the applications and limitations of one or more methods.

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

Extra information on the teaching methods

Each student will be assigned to one professor or researcher with a PhD degree coordinating the work process during the training period, named as supervisor, who will be responsible for the final evaluation, although other researchers may function as co-supervisors. The training period schedule will be planned according

to the type of work and the student and supervisors schedule requirements, keeping in mind that the total number of work hours cannot be changed.

Learning materials and price

Manuals and other learning materials will be made available by the supervisors or can be found in the library. There is no cost for this course.

References

The supervisors will assign appropriate literature according to the laboratory method or methods.

Course content-related study coaching

Individual coaching is foreseen for students having problems, and will be on a one to one basis.

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

Skills test, Participation, Job performance assessment, Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

Calculation of the examination mark

Continuous evaluation. The student's final grade will be calculated as 60% from a written report and 40% from the student's practical performance during the hours of practical work. An evaluation form will be filled in by each supervisor as a justification of the scores given.
Retakes are possible for the written report. However, if the student fails in terms of practical performance, either a new laboratory methods must be taken or additional hours of work must be carried out.