GHENT UNIVERSITY

Course Specifications

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

Fisheries Biology, Management & Conservation (C004337)

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 6.0 **Study time 150 h** **Contact hrs** 39.0h

Course offerings in academic year 2021-2022

A (semester 1) English Gent

Lecturers in academic year 2021-2022

Mocquet, Christophe	NICE04	lecturer-in-charge
Amiel, Aldine	NICE04	co-lecturer
Du Pontavice, Hubert	NICE04	co-lecturer
Durieux, Eric	NICE04	co-lecturer
Faillettaz, Robin	NICE04	co-lecturer
Ferraz, Sébastien	NICE04	co-lecturer
Guidetti, Paolo	NICE04	co-lecturer
Maglio, Alessio	NICE04	co-lecturer
Reygondeau, Gabriel	NICE04	co-lecturer

Offered in the following programmes in 2021-2022	**crdts**	**offering**
International Master of Science in Marine Biological Resources	6	A

Teaching languages

English

Keywords

Fisheries, aquaculture, aquariology, population dynamics, recruitment, conservation, climate change, quotas, stocks, ecosystem shift, numerical modeling, Ecosim, Ecopath, Ichtyop

Position of the course

Contents

This course explores the biology of exploited species in term of fisheries and aquaculture (feeding behavior, life traits, recruitment...), the impact of fisheries on ecosystems, the impact of climate change on fisheries, the use of numerical modeling (Ecosim/ecopath, Ichtyop), the use of aquaculture for food production, the use of aquariology in research as biological models, the main fishing gears, the basic principles of fishing management, ecosystem-based fisheries, sustainability, equity and conservation.

Initial competences

Marine ecology, oceanography, R skills

Final competences

1 Understand the biology of exploited species, the methods of capture and farming, how global change can affect stock, fisheries and related socio-economy.
2 Use of simple numerical modeling in fisheries.
3 Use of marine organisms in research through aquariology.

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

Group work, Seminar, Excursion, Lecture, Integration seminar

Learning materials and price

none

References

Course content-related study coaching

none

Assessment moments

end-of-term and continuous assessment

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

Written examination with multiple choice questions, Written examination with open questions

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

Written examination with multiple choice questions, Written examination with open questions

Examination methods in case of permanent assessment

Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

Extra information on the examination methods

- Written examination: open questions, written examination: MCQ, online activities

- Examination methods in case of periodic evaluation during the second examination period:
- Written examination with essay

Calculation of the examination mark

- 50% continuous assessment,
- 50% terminal assessment