

Fisheries Biology, Management & Conservation (C004337)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size	<i>(nominal values; actual values may depend on programme)</i>		
Credits 6.0	Study time 150 h	Contact hrs	39.0 h

Course offerings in academic year 2021-2022

A (semester 1)	English	Gent
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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

International Master of Science in Marine Biological Resources	crdts	offering
	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

Excursion, group work, lecture, integration seminar, seminar

Learning materials and price

none

References**Course content-related study coaching**

none

Evaluation methods

end-of-term and continuous assessment

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

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

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

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

Examination methods in case of permanent evaluation

Assignment

Possibilities of retake in case of permanent evaluation

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