

Faculty of Bioscience Engineering
Master of Science in Aquaculture

Language of instruction: English
Programme version 11

1 General Courses 75 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002504 Applied Freshwater Ecology <i>Peter Goethals -- Department of Animal Sciences and Aquatic Ecology</i>	3		1	A:1	90
2	I002535 Applied Marine Ecology <i>Colin Janssen -- Department of Animal Sciences and Aquatic Ecology</i>	3		1	A:1	90
3	I002787 Biology of Fishes <i>Dominique Adriaens -- Department of Biology</i>	4		1	A:1	120
4	I002788 Freshwater Fish Culture Techniques <i>Nancy Nevejan -- Department of Animal Sciences and Aquatic Ecology</i>	6		1	A:1	180
5	I002789 Microbial Ecology and Environmental Sanitation <i>Tom Defoirdt -- Department of Biotechnology</i>	4		1	A:1	120
6	I001084 Technology of Fishery Products <i>Frank Devlieghere -- Department of Food Technology, Safety and Health</i>	3		1	A:1	75
7	I002756 Applied Statistics <i>Aisling Daly -- Department of Data Analysis and Mathematical Modelling</i>	5		1	A:1	150
8	I001579 Physiology of Aquatic Organisms <i>Gudrun De Boeck -- Department of Animal Sciences and Aquatic Ecology</i>	3		1	A:2	75
9	I000086 Algae Culture <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	3		1	A:2	75
10	I002790 Aquatic Farm Management Training <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	5		1	A:2	150
11	I002791 Mollusc and Crustacean Culture <i>Nancy Nevejan -- Department of Animal Sciences and Aquatic Ecology</i>	5		1	A:2	150
12	I002792 Aquaculture and the Environment <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	5		1	A:2	150
13	I002794 Aquaculture Nutrition <i>Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology</i>	5		1	A:2	150
14	I002854 Principles of Marine Fish Larviculture <i>Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology</i>	3		1	A:1	90
15	I002855 Applied Marine Fish Larviculture <i>Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology</i>	3		1	A:2	90
16	I002165 Management in the Aquaculture Industry <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	3		2	A:1	75
17	I002795 Aquaculture Genetics <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	6		2	A:1	180
18	I002796 Diseases in Aquaculture <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	6		2	A:1	180

2 Elective Courses 15 credits

Subscribe to 15 credit units from 1 module from the following list. Subject to approval by the faculty.
MT1: 15 credit units to be taken in year 2
MT2: 15 credit units to be taken in year 3

2.1 Major Aquaculture Health Management

Subscribe to 15 credit units from the following list, with

- 10 credit units from the courses with reference a,
- 5 credit units from the courses with reference b.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I002084 Viral Disease Management <i>Hans Nauwynck -- Department of Translational Physiology, Infectiology and Public Health</i>	3	a	2	A:1	90
2	I002797 Fish and Shellfish Immunology <i>Daisy Vanrompay -- Department of Animal Sciences and Aquatic Ecology</i>	4	a	2	A:1	120
3	I002086 Aquatic Microbial Community Management <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	3	a	2	A:1	75
4	I002856 Internship <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	5	b	2	A:J	125
5	I002857 Project <i>Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology</i>	5	b	2	A:2	125

2.2 Major Sustainable Management of Aquatic Resources

Subscribe to 15 credit units from the following list, with

- 10 credit units from the courses with reference a,
- 5 credit units from the courses with reference b.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C002499 Environmental Impact Assessment <i>Steven Degraer -- Department of Biology</i>	3	a	2	A:1	90
2	I002718 Economics and Management of Natural Resources <i>Stijn Speelman -- Department of Agricultural Economics</i>	4	a	2	A:2	120
3	C002490 Biodiversity of Aquatic Food Webs <i>Marleen De Troch -- Department of Biology</i>	3	a	2	A:1	90
4	I002856 Internship <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	5	b	2	A:J	125
5	I002857 Project <i>Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology</i>	5	b	2	A:2	125

2.3 Elective Courses

Subscribe to 15 credit units from the major modules and (maximum 3 credits) from courses offered at Ghent University (including the Ghent University Elective Courses).

Maximum one internship and one project may be selected.

Subject to motivation by the student and upon approval of the programme promotor.

[List of Ghent University Elective Courses](#)

3 Master's Dissertation

30 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	I001507 Master's Dissertation <i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>	30		2	A:J	900

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2022-2023	f: annually, from 2023-2024	i: annually, from 2024-2025
b: tri-annually	d: bi-annually, from 2022-2023	g: bi-annually, from 2023-2024	j: bi-annually, from 2024-2025
	e: tri-annually, from 2022-2023	h: tri-annually, from 2023-2024	k: tri-annually, from 2024-2025