GHENT UNIVERSITY

Study Programme

Academic year 2021-2022

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 *Peter Goethals -- Department of Animal Sciences and Aquatic Ecology*	3		1	A:1	90
2	I002535	Applied Marine Ecology *Colin Janssen -- Department of Animal Sciences and Aquatic Ecology*	3		1	A:1	90
3	I002787	Biology of Fishes *Dominique Adriaens -- Department of Biology*	4		1	A:1	120
4	I002788	Freshwater Fish Culture Techniques *Nancy Nevejan -- Department of Animal Sciences and Aquatic Ecology*	6		1	A:1	180
5	I002789	Microbial Ecology and Environmental Sanitation *Tom Defoirdt -- Department of Biotechnology*	4		1	A:1	120
6	I001084	Technology of Fishery Products *Frank Devlieghere -- Department of Food Technology, Safety and Health*	3		1	A:1	75
7	I002756	Applied Statistics *Aisling Daly -- Department of Data Analysis and Mathematical Modelling*	5		1	A:1	150
8	I001579	Physiology of Aquatic Organisms *Gudrun De Boeck -- Department of Animal Sciences and Aquatic Ecology*	3		1	A:2	75
9	I000086	Algae Culture *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	3		1	A:2	75
10	I002790	Aquatic Farm Management Training *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	5		1	A:2	150
11	I002791	Mollusc and Crustacean Culture *Nancy Nevejan -- Department of Animal Sciences and Aquatic Ecology*	5		1	A:2	150
12	I002792	Aquaculture and the Environment *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	5		1	A:2	150
13	I002794	Aquaculture Nutrition *Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology*	5		1	A:2	150
14	I002854	Principles of Marine Fish Larviculture *Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology*	3		1	A:1	90
15	I002855	Applied Marine Fish Larviculture *Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology*	3		1	A:2	90
16	I002165	Management in the Aquaculture Industry *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	3		2	A:1	75
17	I002795	Aquaculture Genetics *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	6		2	A:1	180
18	I002796	Diseases in Aquaculture *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	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 *Hans Nauwynck -- Department of Translational Physiology, Infectiology and Public Health*	3	a	2	A:1	90
2	I002797	Fish and Shellfish Immunology *Daisy Vanrompay -- Department of Animal Sciences and Aquatic Ecology*	4	a	2	A:1	120
3	I002086	Aquatic Microbial Community Management *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	3	a	2	A:1	75
4	I002856	Internship *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	5	b	2	A:J	125
5	I002857	Project *Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology*	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 *Steven Degraer -- Department of Biology*	3	a	2	A:1	90
2	I002718	Economics and Management of Natural Resources *Stijn Speelman -- Department of Agricultural Economics*	4	a	2	A:2	120
3	C002490	Biodiversity of Aquatic Food Webs *Marleen De Troch -- Department of Biology*	3	a	2	A:1	90
4	I002856	Internship *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	5	b	2	A:J	125
5	I002857	Project *Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology*	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 *Peter Bossier -- Department of Animal Sciences and Aquatic Ecology*	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 cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/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 in 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