

Faculty of Bioscience Engineering  
Master of Science in Aquaculture

Language of instruction: English  
Programme version 12

## 1 General Courses 85 credits

| Nr | Course                                                                                                                             | CRDT | Ref | MT1 | Session | Study |
|----|------------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | I002504 Applied Freshwater Ecology<br><i>Peter Goethals -- Department of Animal Sciences and Aquatic Ecology</i>                   | 3    |     | 1   | A:1     | 90    |
| 2  | I002535 Applied Marine Ecology<br><i>Colin Janssen -- Department of Animal Sciences and Aquatic Ecology</i>                        | 3    |     | 1   | A:1     | 90    |
| 3  | I002787 Biology of Fishes<br><i>Dominique Adriaens -- Department of Biology</i>                                                    | 4    |     | 1   | A:1     | 120   |
| 4  | I002788 Freshwater Fish Culture Techniques<br><i>Nancy Nevejan -- Department of Animal Sciences and Aquatic Ecology</i>            | 6    |     | 1   | A:1     | 180   |
| 5  | I002789 Microbial Ecology and Environmental Sanitation<br><i>Tom Defoirdt -- Department of Biotechnology</i>                       | 4    |     | 1   | A:1     | 120   |
| 6  | I001084 Technology of Fishery Products<br><i>Frank Devlieghere -- Department of Food Technology, Safety and Health</i>             | 3    |     | 1   | A:1     | 75    |
| 7  | I002756 Applied Statistics<br><i>Aisling Daly -- Department of Data Analysis and Mathematical Modelling</i>                        | 5    |     | 1   | A:1     | 150   |
| 8  | I002854 Principles of Marine Fish Larviculture<br><i>Gilbert Van Stappen -- Department of Animal Sciences and Aquatic Ecology</i>  | 3    |     | 1   | A:1     | 90    |
| 9  | I002855 Applied Marine Fish Larviculture<br><i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>              | 3    |     | 1   | A:2     | 90    |
| 10 | I001579 Physiology of Aquatic Organisms<br><i>Gudrun De Boeck -- Department of Animal Sciences and Aquatic Ecology</i>             | 3    |     | 1   | A:2     | 75    |
| 11 | I000086 Algae Culture<br><i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>                                 | 3    |     | 1   | A:2     | 75    |
| 12 | I002895 Aquatic Farm Management Training<br><i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>              | 3    |     | 1   | A:2     | 90    |
| 13 | I002791 Mollusc and Crustacean Culture<br><i>Nancy Nevejan -- Department of Animal Sciences and Aquatic Ecology</i>                | 5    |     | 1   | A:2     | 150   |
| 14 | I002794 Aquaculture Nutrition<br><i>Veerle Fievez -- Department of Animal Sciences and Aquatic Ecology</i>                         | 5    |     | 1   | A:2     | 150   |
| 15 | I000928 Aquaculture Environmental Impact<br><i>Jana Asselman -- Department of Animal Sciences and Aquatic Ecology</i>              | 3    |     | 1   | A:2     | 90    |
| 16 | I002698 Water Quality Management<br><i>Peter Goethals -- Department of Animal Sciences and Aquatic Ecology</i>                     | 4    |     | 1   | A:2     | 120   |
| 17 | I002165 Management in the Aquaculture Industry<br><i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>        | 3    |     | 2   | A:1     | 75    |
| 18 | I002795 Aquaculture Genetics<br><i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>                          | 6    |     | 2   | A:1     | 180   |
| 19 | I002796 Diseases in Aquaculture<br><i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>                       | 6    |     | 2   | A:1     | 180   |
| 20 | I002084 Viral Disease Management<br><i>Hans Nauwynck -- Department of Translational Physiology, Infectiology and Public Health</i> | 3    |     | 2   | A:1     | 90    |

|    |         |                                                                                                                     |   |  |   |     |     |
|----|---------|---------------------------------------------------------------------------------------------------------------------|---|--|---|-----|-----|
| 21 | I002797 | Fish and Shellfish Immunology<br><i>Daisy Vanrompay -- Department of Animal Sciences and Aquatic Ecology</i>        | 4 |  | 2 | A:1 | 120 |
| 22 | I002086 | Aquatic Microbial Community Management<br><i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i> | 3 |  | 2 | A:1 | 75  |

## 2 Elective Courses

5 credits

Subscribe to 5 credit units from 1 module from the following list. Subject to approval by the faculty.

### 2.1 Internship or Project

| Nr | Course                                                                                          | CRDT | Ref | MT1 | Session | Study |
|----|-------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | I002856 Internship<br><i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i> | 5    |     | 2   | A:J     | 125   |
| 2  | I002857 Project<br><i>Peter Bossier -- Department of Animal Sciences and Aquatic Ecology</i>    | 5    |     | 2   | A:2     | 125   |

### 2.2 Ghent University Elective Courses

Subscribe to no more than 5 credit units from courses offered at Ghent University, including the [Ghent University Elective Courses](#). Subject of approval by the study programme committee.

## 3 Master's Dissertation

30 credits

| Nr | Course                                                                                                     | CRDT | Ref | MT1 | Session | Study |
|----|------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | I001507 Master's Dissertation<br><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 2023-2024     | f: annually, from 2024-2025     | i: annually, from 2025-2026     |
| b: tri-annually | d: bi-annually, from 2023-2024  | g: bi-annually, from 2024-2025  | j: bi-annually, from 2025-2026  |
|                 | e: tri-annually, from 2023-2024 | h: tri-annually, from 2024-2025 | k: tri-annually, from 2025-2026 |