**DTU-NTNU 1:1 master programme: Suggestion for courses**

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| **For a student starting at DTU** | | | |
| **DTU** | | **NTNU** | |
| **1st semester** (autumn – mandatory general competence courses) | **2nd semester** (spring: 1.2.-1.6)[[1]](#footnote-1) | **3rd semester** (autumn) | **4th semester** (spring) |
| 25328 - Mathematical Models in Ecology (includes aquaculture-relevant examples) 10 ECTS | 25316 Recirculating Aquaculture Systems 5 ECTS | BI3067 Aquaculture in ecosystems 7.5 ECTS | BI2098 - Experts in Teamwork - Saving the World is not Rocket Science 7.5 ECTS (intensive) |
| 25301 - Introduction to aquatic ecosystems, anthropogenic threats and sustainable solutions 5 ECTS | 25331 Exercises in RAS 5 ECTS | BI3060 Experimental marine ecological methods 7.5 ECTS | Thesis 30 ECTS |
| 25317 - Diseases and veterinary aspects related to Aquaculture 5 ECTS or  25334 - Genomic methods in breeding and management of aquatic living resources | 25326 Fish Physiology in Aquaculture 5 ECTS | TMR4137 Sustainable utilization of marine resources 7.5 ECTS |  |
| 25318 - Aquatic Ecosystem Management 5 ECTS | 25321 Fish Nutrition and Bioenergetics 5 ECTS |  |  |
|  | 25333 Aquatic Systems Engineering 5 ECTS |  |  |
| January: 25315 - Genetic methods in Aquaculture | June: 25322 Advanced RAS 5 ECTS |  |  |

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| **For a student starting in NTNU** | | | |
| **NTNU** | | **DTU** | |
| **1st semester** (autumn – compulsory courses) | **2nd semester** (spring) | **3rd semester** (autumn) - Hirtshals | **4th semester** (spring) |
| BI3060 Experimental marine ecological methods 7.5 ECTS | BI2098 - Experts in Teamwork - Saving the World is not Rocket Science 7.5 ECTS | Internships / industry courses (Danish Salmon / BIOMAR) 10 + 5 ECTS | Thesis 30 ECTS |
| BI3067 Aquaculture in ecosystems 7.5 ECTS | BI3066 Marine Juvenile Production 7.5 ECTS | 25323 Topics in Aquatic Sciences with an aquaculture project 10 ECTS |  |
| TMR4137 Sustainable utilization of marine resources 7.5 ECTS | BT3210 Recirculating aquaculture RAS 7.5 ECTS |  |  |
| BI3061 Biological Oceanography 7.5 ECTS | **BI3069** Fish health and welfare 7.5 ECTS  OR  TMR4140 Design of marine production plants |  |  |
|  |  | January: 25315 - Genetic methods in Aquaculture 5 ECTS |  |

1. Can be extended with 3-week period in January: **25315 Genetic methods in aquaculture** 5 ECTS or 3-week period in June: **25322 Advanced Course in Recirculating Aquaculture Systems: Design and Application** 5 ECTS [↑](#footnote-ref-1)