

| | |
|--|---|
|   <small>Delft University of Technology</small>  <small>Norwegian University of Science and Technology</small> | <p>Master Track Study Plan</p> <p>Offshore Engineering European Wind Energy Master (EWEM)</p> |
|--|---|

| | |
|-----------------------------------|--------------------------|
| 1. To be completed by the student | |
| Last name: | First name: |
| Initials: | Student number NTNU: |
| Address: | Student number TU Delft: |
| Postal code: | |
| City: | Telephone number: |
| E-mail address: | |
| Finished BSc program: | |

| | |
|--|--------|
| Request to graduate under the supervision of (professor/lecturer): | |
| 2. To be completed by Track & Profile coordinator | |
| Approval Track coordinator NTNU | |
| Name: prof. Torgeir Moan | |
| Date: | |
| Signature: | |
| Approval Track Coordinator TU Delft | |
| Name: prof. dr. Andrei Metrikine or dr. ir. Eliz-Mari Lourens | |
| Date: | |
| Signature: | |
| 3. To be completed by student administration TU Delft | |
| Student meets requirements | Yes/No |
| Date: | |
| Signature: | |

| | |
|---------------------------|--|
| Master Course List | European Wind Energy Master (EWEM) Offshore Engineering |
| Name: | Student number NTNU: |
| | Student number TU Delft: |
| | |

| Compulsory (53 ECTS) | | | |
|-----------------------------|-----------------------|--|----------------|
| | <i>Code</i> | <i>Course</i> | <i>Credits</i> |
| | 42490 (DTU) | Technology, Economics, Management and Organisation | 10 |
| | 46300 (DTU) | Wind Turbine Technology and Aerodynamics | 10 |
| | 41223 (DTU) | Linear and Non- Linear Wave Dynamics | 10 |
| | OE5662 (TU Delft) | Offshore Wind Farm Design | 4 |
| | OE5665 (TU Delft) | Offshore Wind Support Structures | 4 |
| | OE 5685-15 (TU Delft) | Problem Analysis Thesis ¹ | 15 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

¹ Students start this course during the third semester at NTNU by parallelly signing up for the course and taking course "TMR 4590 Specialization project for EWEM students, 15 ECTS" at NTNU. The 15 ECTS are part of the thesis project which is 45 ECTS in total.

| | |
|--|--|
| Master Track Course List continued | European Wind Energy Master (EWEM) Offshore Engineering |
| Name: | Student number NTNU: |
| | Student number TU Delft: |
| | |

| Electives* | | | |
|----------------------------------|-----------------------|---|----------------|
| | <i>Code</i> | <i>Course</i> | <i>Credits</i> |
| | OE4652 (TU Delft) | Floating Structures | 4 |
| | OE4651-12 (TU Delft) | Bottom Founded Structures | 5 |
| | OE4611-11 (TU Delft) | Experimental Engineering Exercise | 4 |
| | OE4640 (TU Delft) | Safety in Offshore Engineering | 2 |
| | OE4680-12 (TU Delft) | Arctic Engineering | 4 |
| | OE4630-DL3 (TU Delft) | Offshore Hydromechanics Part 3 | 3 |
| | CIE4140 (TU Delft) | Structural Dynamics | 4 |
| | OE5670-6 (TU Delft) | Industrial Practice EWEM | 6 |
| | TMR4275 (NTNU) | Modelling, Simulation and Analysis of Dynamic Systems | 7.5 |
| | TMR4190 (NTNU) | Finite Element Methods in Structural Analysis | 7.5 |
| | TMR4215 (NTNU) | Sea Loads | 7.5 |
| | TMR4305 (NTNU) | Advanced Analysis of Marine Structures | 7.5 |
| | TMR4505 (NTNU) | Marine Structures, Specialization Course | 7.5 |
| | TMR4525 (NTNU) | Marine Hydrodynamics, Specialization Course | 7.5 |
| | TMR4300 (NTNU) | Experimental and Numerical Hydrodynamics | 7.5 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Total number of EC for Electives | | | |

Profile and Electives should be in total at least 90 EC

| | | |
|-----------------------------|-----------------|-----------|
| OE5690-30 (TU Delft) | Thesis** | 30 |
|-----------------------------|-----------------|-----------|

* Please tick the appropriate box and/or indicate your other electives.

** You have to sign up for thesis work at both NTNU and TU Delft. At NTNU you sign up for through code TMR4590 (30ECTS).

| | |
|--|--|
| Master Track Course List continued | European Wind Energy Master (EWEM) Offshore Engineering |
| Name: | Student number NTNU: |
| | Student number TU Delft: |
| | |

4. Alterations to standard M.Sc. programme / other electives

Please indicate any deviation from the standard M.Sc. programme here by filling in the courses to be added or deleted. Please note that every course added or deleted must be authorised (= signed off) by the Track Coordinator.

| Courses to be added | | | |
|----------------------------|--------------------|-------------|----------------------|
| Code, university | Course Name | ECTS | Authorisation |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| Courses to be deleted | | | |
|------------------------------|--------------------|-------------|----------------------|
| Code, university | Course Name | ECTS | Authorisation |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Remarks:

The student hereby agrees with the schedule of courses as listed above and agrees that the schedule can be completed within a reasonable period of study:

Name:
Date:
Signature:

The coordinators hereby agree with the schedule of courses as listed above and agrees that the schedule can be completed within a reasonable period of study:

Name: prof. Torgeir Moan (NTNU)
Date:
Signature:

Name: prof. dr. Andrei Metrikine or dr. ir. Eliz-Mari Lourens (TU Delft)
Date:
Signature: