

# FACULTY OF ENGINEERING

## DEPARTMENT OF NAVAL ARCHITECTURE, OCEAN AND MARINE ENGINEERING

### OFFSHORE WIND ENERGY

Master of Science in Offshore Wind Energy  
Postgraduate Diploma in Offshore Wind Energy  
Postgraduate Certificate in Offshore Wind Energy

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programmes are available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as detailed below.
  - i. for the Postgraduate Certificate – no fewer than 60 credits
  - ii. for the Postgraduate Diploma – no fewer than 120 credits, including the Compulsory Modules, together with NM839 Group Design Project (40 credits)
  - iii. for the degree of MSc – no fewer than 180 credits, including the Individual Project (60 credits)

#### Compulsory Modules

| Module Code | Module Title                              | Level | Credits |
|-------------|---|-------|---------|
| NM841       | Offshore Wind Turbines Dynamics Modelling | 5     | 20      |
| NM842       | Offshore Structural Integrity             | 5     | 10      |
| NM843       | Risk and Reliability Engineering          | 5     | 10      |
| EE989       | Wind Turbine Technology                   | 5     | 20      |
| EE821       | Wind Generators Modelling and Control     | 5     | 10      |
| EE820       | Offshore Wind Farm O&M and Economics      | 5     | 10      |

Students for the **Postgraduate Diploma** and degree of **MSc only**

| Module Code | Module Title         | Level | Credits |
|-------------|----------------------|-------|---------|
| NM839       | Group Design Project | 5     | 40      |

Students for the degree of **MSc only**:

| Module Code | Module Title       | Level | Credits |
|-------------|--------------------|-------|---------|
| NM965       | Individual Project | 5     | 60      |

5. Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Director. Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Director.

### **Examination, Progress and Final Assessment**

6. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
7. The final award will be based on performance in the examinations, coursework and the Individual Project where undertaken.

### **Award**

8. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Offshore Wind Energy, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 80 must be from the taught modules, 40 from the Group Design Project and 60 from the Individual Project.
9. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Offshore Wind Energy a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 120 credits, of which no fewer than 80 must be from the taught modules and 40 from the Group Design Project.
10. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Offshore Wind Energy a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 60 credits from the taught modules of the programme.