

## Programme Regulations: 2023/24

### Programme Titles:

**Degree of Master of Science (MSc) in Marine Technology (General) – Codes: 5409P (September Entry) & 5410P (January Entry)**

#### Notes:

- i. These programme regulations should be read in conjunction with the University's Taught Programme Regulations.
- ii. A compulsory module is a module which a student must take.
- iii. All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.
- iv. All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.

### 1. Programme Structure

- (a) The programme is available for study via distance learning. Each taught module will consist of 100 notional study hours, of which 35 hours will be the intensive school. Reading and course work will be prescribed for the non-intensive school part of the module. The normal minimum length of study is 24 months, with a maximum of 60 months, although this may be extended by the Board of Studies on the recommendation of the Degree Programme Director, by not more than twelve months at a time.
- (b) The MSc Programme comprises modules to a credit value of 180, the PGDip programme comprises modules to a credit value of 120.
- (c) This is a modular degree jointly taught by Newcastle University (NCL), the University of Southampton (SOUTH) and University College London (UCL). The programme is designed to provide training at MSc level for recent graduates in full-time employment in industry.
- (d) All candidates shall take the following compulsory modules:
- (e) Candidates who registered prior to January 2018 shall take the following compulsory modules:

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Mode
MAR8107	Reliability and Integrity Management of Marine Systems	10		10		7	Block
MAR8108	Structural and Materials Response to the Marine Environment	10	10			7	Block
MAR8196	PG Dissertation	80		20	60	7	Linear

(f) All candidates shall take one of the following compulsory modules:

<i>Code</i>	<i>Descriptive Title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Credits Sem 3</i>	<i>Level</i>	<i>Mode</i>
MAR8102	Marine Project Management	10	10			7	Block
MAR8137	Maritime Economics	10		10		7	Block

(g) If a candidate does not have a background in Marine Technology, they may be required to undertake one or both of the following as compulsory foundation modules at the request of the Programme Director on application to the programme.

<i>Code</i>	<i>Descriptive Title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Credits Sem 3</i>	<i>Level</i>	<i>Mode</i>
MAR8106	Marine Engineering	10		10		7	Block
MAR8122	Naval Architecture	10	10			7	Block

(h) All candidates studying for the MSc programme shall normally take 70 credits from the optional modules below. Students required to take compulsory foundation modules from (g) will select 50 or 60 credits depending how many foundation modules they are required to take.

<i>Code</i>	<i>Descriptive Title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Credits Sem 3</i>	<i>Level</i>	<i>Mode</i>
MAR8103	Marine Systems Identification, Modelling & Control	10		10		7	Block
MAR8104	Optimisation in Engineering Design	10	10			7	Block
MAR8110	Advanced Structural Design & Analysis	10	5	5		7	Block
MAR8112	Marine Electrical and Electronic Systems	10	10			7	Block
MAR8134	Marine Renewable Energy: Sources and Recovery	10			10	7	Block
MAR8140	Yacht Design	10	10			7	Block
MAR8141	Introduction to Offshore, Subsea and Pipeline Engineering	10	10			7	Block
SPG8012	Renewable Energy: Energy Management	10	10			7	Block
SPG8013	Environmental Impact Assessment	10		10		7	Block

SPG8014	Introduction to Hydro, Wind, Wave and Tidal Energy	10	10			7	Block
SPG8024	Quantifying Energy Decision Making	10		10		7	Block

(i) Candidates who registered after January 2018 shall take the following compulsory modules:

<b>Code</b>	<b>Descriptive Title</b>	<b>Total Credits</b>	<b>Credits Sem 1</b>	<b>Credits Sem 2</b>	<b>Credits Sem 3</b>	<b>Level</b>	<b>Mode</b>
MAR8102	Marine Project Management	10	10			7	Block
MAR8107	Reliability and Integrity Management of Marine Systems	10		10		7	Block
MAR8108	Structural and Material Response to the Marine Environment	10	10			7	Block
MAR8137	Maritime Economics	10		10		7	Block
MAR8196	PG Dissertation	80		20	60	7	Linear

(j) If a candidate does not have a background in Marine Technology, they may be required to undertake one or both of the following as compulsory foundation modules at the request of the Programme Director on application to the programme.

<b>Code</b>	<b>Descriptive Title</b>	<b>Total Credits</b>	<b>Credits Sem 1</b>	<b>Credits Sem 2</b>	<b>Credits Sem 3</b>	<b>Level</b>	<b>Mode</b>
MAR8106	Marine Engineering	10		10		7	Block
MAR8122	Naval Architecture	10	10			7	Block

(k) All candidates studying for the MSc programme shall normally take 60 credits from the following optional modules. Students required to take compulsory foundation modules from (j) will select 40 or 50 credits depending how many foundation modules they are required to take.

<b>Code</b>	<b>Descriptive Title</b>	<b>Total Credits</b>	<b>Credits Sem 1</b>	<b>Credits Sem 2</b>	<b>Credits Sem 3</b>	<b>Level</b>	<b>Mode</b>
MAR8103	Marine Systems Identification, Modelling & Control	10		10		7	Block
MAR8104	Optimisation in Engineering Design	10	10			7	Block

MAR8110	Advanced Structural Design & Analysis	10	5	5		7	Block
MAR8112	Marine Electrical and Electronic Systems	10	10			7	Block
MAR8134	Marine Renewable Energy: Sources and Recovery	10			10	7	Block
MAR8140	Yacht Design	10	10			7	Block
MAR8141	Introduction to Offshore, Subsea and Pipeline Engineering	10	10			7	Block
SPG8012	Renewable Energy: Energy Management	10	10			7	Block
SPG8013	Environmental Impact Assessment	10		10		7	Block
SPG8014	Introduction to Hydro, Wind, Wave and Tidal Energy	10	10			7	Block
SPG8024	Quantifying Energy Decision Making	10		10		7	Block

## 2. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.