

## Programme Regulations: 2022/23

### Programme Titles:

#### Degree of Master of Science in Marine Technology (Marine Engineering) – Codes: 5411P (September Entry) & 5412P (January Entry)

#### Notes:

- i. *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
- ii. *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.*
- iii. *A compulsory module is a module which a student must take.*
- iv. *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*
- v. *\*Programme 5082P is withdrawn from admission effective from September 2018.*

### 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) 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.
- (c) The programme comprises modules to a credit value of 180.
- (d) All candidates shall take the following compulsory modules:
- (e) Candidates who registered prior to January 2018 shall take 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>
MAR8103	Marine Systems Identification, Modelling & Control	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
MAR8112	Marine Electrical and Electronic Systems	10	10			7	Block

MAR8196	PG Dissertation	80		20	60	7	Linear
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(f) All candidates shall take one of the following 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 shall normally take 50 credits from the list of optional modules below. Students required to take compulsory foundation modules from (g) will select 30 or 40 credits depending how many foundation modules they are required to take.

<b><i>Code</i></b>	<b><i>Descriptive Title</i></b>	<b><i>Total Credits</i></b>	<b><i>Credits Sem 1</i></b>	<b><i>Credits Sem 2</i></b>	<b><i>Credits Sem 3</i></b>	<b><i>Level</i></b>	<b><i>Mode</i></b>
MAR8104	Optimisation in Engineering Design	10	10			7	Block
MAR8110	Advanced Structural Design & Analysis	10	5	5		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 register 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
MAR8103	Marine Systems Identification, Modelling & Control	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
MAR8112	Marine Electrical and Electronic Systems	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 shall normally take 30 credits from the following optional modules. Students required to take compulsory foundation modules from (k) will select 10 or 20 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>
MAR8104	Optimisation in Engineering Design	10	10			7	Block
*MAR8105	Working Craft Design	10	5	5		7	Block
MAR8110	Advanced Structural Design & Analysis	10	5	5		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

**\*Module not running 2022-23**

## **2. Assessment methods**

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