

Programme Regulations: 2024/25

Programme Titles:

Degree of Master of Science in Maritime Engineering with Preliminary Year - Code: 5498F

Degree of Master of Science in Maritime Engineering Science with Preliminary Year - Code: 5503F

Notes:

- (i) *These programme regulations should be read in conjunction with the University's Taught Programme Regulations. For year two 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 is required to study.*
- (iii) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*
- (iv) **The Master of Science in Engineering Science, is a non-accredited Masters degree title awarded where a candidate only meets the requirements of the University's Taught Programme Regulations and Examination Conventions and not the requirements of accreditation*

1. Programme structure

- (a) The programme is available for study in full-time mode. The period of study shall be two years starting in September.
- (b) All candidates shall take the following compulsory modules in year 1:

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Level
MAR3021	Marine Transport Business	10	10		6
MAR3027	Future Marine Projects	10	5	5	6
MAR3033	Marine Engineering Design	20	10	10	6
MAR3037	Marine Engineering III	20	20		6
MAR3038	Dynamic Modelling and Simulation	10	10		6
MAR3043	Project & Report in Marine Engineering	40	15	25	6
MAR3047	Marine Production Management	10		10	6

- (c) To progress to year two candidates must satisfy the requirements for the award of a Graduate Diploma and have an average mark over all modules, taking due account of the credit value, of at least 50.
- (d) Candidates who fail to satisfy the conditions of (c) may be considered for the award of a Graduate Diploma or Graduate Certificate.
- (e) All candidates shall take the following compulsory modules in year 2:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Mode
MAR8084	Dissertation	60	5	5	50	7	Linear
MAR8088	Group Project	20	10	10			Block

MAR8175	Fundamentals of Marine Technology	20	20				Block
MAR8183	Commercial Awareness and Data Analytics	10		10			Block

(f) Marine Engineering Stream

All candidates 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>
MEC8029	Mechanical Power Transmission Systems	20	20			7	Block
MAR8178	Advanced Marine Propulsion Technology	20		20		7	Block
MAR8184	Energy and Environmental Performance of Ships at Sea	10	10			7	Block
MAR8185	Marine Systems and Digitalisation	20		20		7	Block

(g) Naval Architecture Stream

All candidates 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>
MAR8177	Structural Analysis of Ships and Offshore Energy Systems	20	20			7	Block
MAR8178	Advanced Marine Propulsion Technology	20		20		7	Block
MAR8179	Experimental and Computational Hydrodynamics	20		20		7	Block
MAR8184	Energy and Environmental Performance of Ships at Sea	10	10			7	Block

(h) Subsea Stream

All candidates 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>
MAR8177	Structural Analysis of Ships and Offshore Energy Systems	20	20			7	Block
MAR8179	Experimental and Computational Hydrodynamics	20		20		7	Block
MAR8181	Dynamics of Offshore Fixed and Floating Foundations	10	10			7	Block
MAR8180	Subsea Structural Systems	20		20		7	Block

(i) Offshore Renewables Stream

All candidates 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>
MAR8177	Structural Analysis of Ships and Offshore Energy Systems	20	20			7	Block
MAR8179	Experimental and Computational Hydrodynamics	20		20		7	Block
MAR8181	Dynamics of Offshore Fixed and Floating Foundations	10	10			7	Block
MAR8182	Offshore Renewables Energy Systems	20		20		7	Block

(j) General Stream

All candidates will follow the compulsory modules listed in (e) above and take a selection of optional modules totalling 70 credits from those listed above (f-i) on agreement with the Degree Programme Director.

(k) Degree classification will be based on the second year only.

2. Assessment methods

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

For the purpose of professional accreditation, the University's Education Committee has approved a variation in the Taught Programme Regulations to the effect that a candidate who passes all core modules and fails up to 20 credits of non-core modules is recommended, as of right, for the award of an appropriate Master's Degree or Postgraduate Diploma, provided that no mark is below 40 and the weighted average mark for all modules and non-module aggregated assessment is at least 50.

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