Programme Regulations: 2022/23

Programme Title: Degree of MRes Technology in the Marine Environment
Code: 4805F

Notes:
(i) These programme regulations should be read in conjunction with the University's Research Degree 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) As a Research Masters degree, this programme reflects specific research themes and aims incorporating research preparation. The programme comprises at least 180 credits of which 110 credits will be dedicated to the research project/dissertation.
(v) 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.

1. Programme structure

(a) The programme is available for study in full-time mode.
(b) The period of study shall be one year starting in September.
(c) The programme comprises modules to a credit value of 180.

(d) All candidates shall take the following compulsory modules:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Mode*
MAR8085	Research Skills	10		10		7	Block
MAR8099	Dissertation: MRes*	110		50	60	7	

* All candidates shall complete a dissertation on an industrially oriented research project

(e) All candidates shall take one of the following compulsory modules depending on the topic of their research:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Mode*
MAR8071	Fundamentals of Marine Engineering	20	20			7	Block
MAR8072	Fundamentals of Naval Architecture	20	20			7	Block
MAR8091	Fundamentals of Offshore Subsea and Pipeline Engineering	20	20			7	Block

(f) Candidates should select an approved combination of optional modules to a total value of 40 credits from the following:

Code	*Descriptive title*	*Total Credits*	*Credits Sem 1*	*Credits Sem 2*	*Credits Sem 3*	*Level*	*Mode*
MAR8024	Ship Performance at Sea	10		10		7	Block
MAR8038	High Speed and Advanced Craft	10		10		7	Block
MAR8047	Reliability & Integrity Management of Marine Systems	10		10		7	Block
MAR8051	Marine Risers, Umbilicals & Mooring Lines	10		10		7	Block
MAR8065	Marine Power Systems	20	20			7	Block
MAR8066	Asset management in Marine Engineering	10		10		7	Block
MAR8067	Marine Machinery Systems	20		20		7	Block
MAR8068	Advanced Hydrodynamics	10		10		7	Block
MAR8069	Advanced Naval Architecture	10		10		7	Block
MAR8073	Advance Marine Structures	20	20			7	Block
MAR8076	Commercial Awareness and Sustainable Business	10	10			7	Block
MAR8087	Materials for Pipeline and Offshore Structures & Degradation	10		10		7	Block
MAR8092	Advanced Structural Design and Analysis	20	20			7	Block
MAR8093	Dynamics of Offshore Installations	10		10		7	Block

**Please note, students who wish to take MAR8068, Advanced Hydrodynamics in semester 2 must take MAR8072, Fundamentals of Naval Architecture in semester 1.*

(g) With the approval of the Degree Programme Director alternative optional modules to those listed above may be selected, including one approved module listed as a Level 6 module, or any other University/Faculty approved module.

2. Assessment methods

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