



**MLA  
COLLEGE**

In partnership with



**UNIVERSITY OF  
PLYMOUTH**

**ACADEMIC PARTNERSHIPS**

**PROGRAMME QUALITY HANDBOOK  
2023-24**

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**MSc Sustainable Maritime Operations**

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# 1. Welcome and Introduction

Welcome to MLA College. We are delighted that you have chosen to study with us. We will do all we can to ensure sure you get the maximum benefit from your time here – and that you will be well prepared for the next stage in your academic or professional career path.

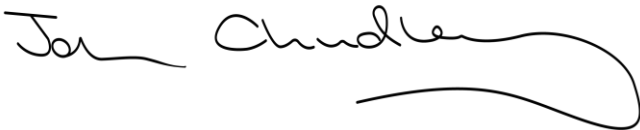
You will already know that MLA College is internationally recognised for its excellent reputation, and you will also benefit from the consistently high standards and expectations MLA College brings to all aspects of its teaching and learning.

You will find that all our staff are dedicated to ensuring you have the best experience possible. As well as being professional, intellectually challenging and up to date in their knowledge of the subject matter, we ensure that those teaching you do so in a research-informed, creative, responsive, and engaging way. Your tutors are supported by highly experienced professional colleagues who are here to give you advice and guidance on all aspects of your studies.

As a student at MLA College and the University of Plymouth your feedback is important to us, and we have in place a number of surveys conducted by MLA College during your period of registration. Please do take the time to complete these surveys which will inform our plans to ensure all students continue to receive the best possible experience during their time with us.

We want you to enjoy the best study experience possible and we are here to help create the best opportunities for what you want to do next.

Welcome again to the MLA College.

A handwritten signature in black ink, reading "John Chudley". The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

Professor John Chudley, Rector  
MLA College

## 2. About this Handbook

This Programme Quality handbook contains important information including:

The approved programme specification

Module records

**Note:** The information in this handbook should be read in conjunction with the current edition of:

- MLA College Student Handbook which contains student support- based information available [here](#)
- Your University of Plymouth Student Handbook available [here](#)
- Non-Standard Regulations (Exceptions to The University of Plymouth Regulations)

### 3. Programme Specification

<b>Awarding Institution:</b>	University of Plymouth
<b>Partner Institution and delivery site (s):</b>	MLA College The Merchant, St Andrew Street, Plymouth, PL1 2AX
<b>Accrediting Body:</b>	N/A
<b>Language of Study:</b>	English <sup>1</sup>
<b>Mode of Study:</b>	Part time distance e-learning
<b>Final Award:</b>	MSc
<b>Intermediate Award:</b>	None
<b>Programme Title:</b>	MSc Sustainable Maritime Operations
<b>UCAS Code:</b>	N/A Applications handled directly
<b>JACS Code:</b>	F841
<b>Benchmarks:</b>	Framework for Higher Education Qualifications (FHEQ);  QAA Earth Sciences, Environmental Sciences and Environmental Studies (ES3) Subject Benchmark Statements, October 2014.  Southern England Consortium for Credit Accumulation and Transfer (SEEC), Level 7 Descriptors ( <a href="#">SEEC 2021</a> )  QAA Business and Management Subject Benchmark Statements, The Quality Assurance Agency for Higher Education (QAA), February 2015;  QAA Master's Degrees in Business and Management Subject Benchmark Statement, The Quality Assurance Agency for Higher Education (QAA), June 2015;  "Master's Degree characteristics", The Quality Assurance Agency for Higher Education (QAA), March 2010;
<b>Date of Programme Approval:</b>	November 2015

<sup>1</sup> QAA, [https://www.qaa.ac.uk/docs/qaa/quality-code/revised-uk-quality-code-for-higher-education.pdf?sfvrsn=4c19f781\\_24](https://www.qaa.ac.uk/docs/qaa/quality-code/revised-uk-quality-code-for-higher-education.pdf?sfvrsn=4c19f781_24) last accessed 23<sup>rd</sup> October 2023

<sup>1</sup> If required, please contact Academic Partnerships Programme Administration for assistance.

Unless otherwise approved through The University of Plymouth's Academic Development and Partnerships Committee

### 3.1 Brief Description of the Programme

The Sustainable Maritime Operations Master of Science (MSc) programme is a forward looking, balanced package of study designed to offer the opportunity for individuals with an interest, knowledge, or experience in the maritime sector to deepen and broaden their comprehension of this industry, its drivers, limitations, operational behaviour, responsibilities, technological challenges, and sustainable solutions.

Building from an appropriate honours degree and previous level 7 studies, or equivalent experience, the SMO MSc is an attractive and flexible supported distance e-learning programme which is aimed at providing sea-going and shore based maritime industry deck staff, engineers, and administrative personnel with a strong framework of learning at Masters' level. At Masters level, students undertake research methods training and carry out independent research as part of the MSc Project. This includes applied study skills, scientific data management and manipulation.

### 3.2 Details of Accreditation by a Professional Statutory Body (if appropriate)

None

### 3.3 Programme Aims

The programme will deliver:

An intellectually stimulating and industry-relevant programme of study which aims to:

1. Undertake a programme of advanced scholarship during which they will plan, execute, and report on a programme of research appropriate to the aspirations of the student and their current or chosen field of work within the maritime sphere.
2. Develop in students a deep and systematic knowledge of the relevant marine scientific, environmental, and technical areas necessary to facilitate personal and professional development within the marine and maritime industries.
3. Allow graduates to undertake the critical analysis of current issues in the maritime environment, applying flexible and creative judgements to resolve the complex relationships between economic viability, and the associated risks to future marine environmental, social, and cultural wellbeing

### 3.4 Programme intended Learning Outcomes (ILO)

By the end of this programme the student will be able to:

1. Appraise the sustainability of the business environment in which students and their organisations operate and the interrelationships and integration between different maritime sectors.
2. Comprehend the advanced underpinning theories required to present, evaluate, and interpret qualitative and quantitative information, and to solve complex problems using appropriate numerical and statistical techniques.
3. Plan, undertake and manage a self-directed research project in a systematic way, to demonstrate an ability to critically analyse current research and advanced scholarship in the topic of choice, and communicate their work effectively and professionally to a specialist and non-specialist audience.

### 3.5 Distinctive Features

The MSc Sustainable Maritime Operations is an innovative, part time distance e-learning honours degree top-up programme. The e-learning course materials are designed by a team of academics and learning technologists and delivered through a seamless Total Learning Package. This Total Learning Package is downloaded to your laptop and/or desktop computer, so you must be able to download files of up to 650MB at the start of each term. Once downloaded the Total Learning Package is fully functional whether the device is connected to the internet or not, which enables students to study successfully in any location ashore, or whilst deployed for extended periods offshore. The Total Learning Package adds considerable value to lecture material with formative testing, transcripts and learning support materials.

This programme is a flexible, fully tutor supported, distance e-learning programme, which has broad appeal and is a gateway to professional advancement. Students' progress through the programme in a modular fashion, allowing maximum flexibility in integrating their part-time studies with a busy professional schedule and their own personal

commitments. Further flexibility exists in the form of open module choices at Postgraduate Diploma level, allowing students the opportunity to focus in either a maritime scientific or commercial context, or across both areas if desired.

Use of The University of Plymouth teaching and learning virtual resources, is available to all MLA students.

### 3.6 Student Numbers

The scalability of the part-time distance e-learning model employed by the MLA facilitates considerable flexibility in terms of student numbers. The Personal Tutor: Student ratio is the most important aspect in maintaining the quality of student experience, and MLA's target is a maximum of 1:25 in any module.

Minimum student numbers per stage = 10

Target student numbers per stage = 50

Maximum student numbers per stage = N/A. Tutor capacity can be scaled in a timely way to meet demand

### 3.7 Progression route(s)

In addition to achieving the MSc Sustainable Maritime Operations, successful graduates are able to apply to complete a postgraduate teaching qualification, or doctoral study with The University of Plymouth or another education provider.

### 3.8 Exceptions to The University of Plymouth Regulations (Non-Standard Regulations)

(Note: The University of Plymouth's Academic Regulations are available [here](#))

The University's Academic Regulations are implemented in full, with the exceptions below:

Approved by the University of Plymouth on 15th June 2021.

1. **48 Hour Extension for Late Submission:** the student's Personal Tutor may approve a 48-hr extension for Distance Learning assessment submission without need for formal Extenuation Circumstances application.
2. **28 (calendar) day Extenuating Circumstances Extension for Late Submission:** in exception to the University of Plymouth's Extenuating Circumstances Policy and Procedures, both self-certified and evidenced applications for Extenuating Circumstances (EC), considered valid by MLA College, will be offered 28 calendar days as an extension to the assessment deadline. Additionally, poor internet connection, where appropriately described as an employment driven issue causing the missing of an assessment deadline (e.g., whilst 'at sea'), may be considered as a valid extenuating circumstance.
3. **Instant Referrals in the event of Failure or Non-Submission:** with or without submission of a valid Extenuating Circumstances claim, may be approved through MLA College's Interim Assessment and Award Board (IAAB) which then reports to the next scheduled University of Plymouth Subject Assessment Panel (SAP) and/or Award Assessment Board (AAB).  
More information is available in the student handbook which is available in your TLP and on the [MLA website](#).
4. **Maximum Period of Study:** all distance-learning awards that equate to a single level of study or more, including programmes-in-parts, have a maximum period of study of 10 years. Should completion within that timeframe appear unreasonable, University of Plymouth regulations for Accreditation of Prior Learning should be considered and followed prior to enrolment onto each part.

Examples:

- CertHE + DipHE + BSc (Hons) = 360 credits = 10 years max.
- BSc + BSc (Hons) = 120 Level 6 credits = 10 years max.
- PGCert + PGDip + MSc = 120 credits = 10 years max

### 3.9 Postgraduate regulations:

Where a student fails to achieve a pass in one or more taught modules, the Award Board may at its discretion, based on a judgement of the student's overall performance and potential:

- compensate for the failure (provided that the module mark(s) is/are within 5% of the pass mark). The maximum compensation permitted within each postgraduate award is:
  - Postgraduate Certificate **0 credits**
  - Postgraduate Diploma 20 credits
  - Masters Degree 30 credits
- permit the student to be reassessed in the module(s), in whole or in part of each element of assessment, at the next available opportunity (the Board will determine whether the assessment will take the same form as the original); a student may be referred in up to 60 credits in a postgraduate dissertation module; in up to 40 credits in taught modules for PgDip and Masters programmes; and in up to 20 credits for a PgCert. While there should be no compensation for an individual module taken as accredited CPD, a module taken as accredited PD may be compensated, dependent on the module status, when it contributes to a programme or an award. <sup>[SEP]</sup>
- permit the student to retake the module(s), with or without attendance, by a date to be determined by the Board. <sup>[SEP]</sup>
- require the student to withdraw from the programme. <sup>[SEP]</sup>
- require a student whose extenuating circumstances will prevent the completion of the award during the normal period of registration or have prevented her/him from making academic progress in the previous session, to interrupt studies or withdraw from the programme.

### 3.10 Admissions Criteria

Qualification(s) Required for Entry to this Programme:	Details:
<b>Level 2:</b> - <b>Key Skills requirement / Higher Level Diploma: and/or</b> - <b>GCSEs required at Grade C or above:</b>	All applicants must have GCSE (or equivalent) Maths and English at Grade C or higher.
<b>Level 3: at least one of the following:</b> - <b>AS/A Levels</b> - <b>Advanced Level Diploma:</b> - <b>BTEC National Certificate/Diploma:</b> - <b>VDA: AGNVQ, AVCE, AVS:</b> - <b>Access to HE or Year 0 provision:</b> - <b>International Baccalaureate:</b> - <b>Irish / Scottish Highers / Advanced Highers:</b>	N/A
<b>Work Experience:</b>	In the case of admission to the SMO MSc, MLA are keen to consider admission on the basis of work or life experience. Where an applicant presents with appropriate experience, this may be taken into account in lieu of certificated qualifications, regardless of age.  Relevant maritime experience will be considered on individual merit. Specific reference to APCL and APEL is made below.
<b>Other HE qualifications / non-standard awards or experiences:</b>	120 level 7 credits in a related cognate area, or equivalent experience (see APEL).
<b>Accreditation of Prior Learning (APL)</b>	The achievement of formal qualifications is not the only way of identifying a student's potential. Admissions staff will assess application 'holistically',



	<p>considering skills, experience, and abilities as well as commitment and motivation to study to establish whether the applicant has the potential to benefit from the programme and graduate successfully. Experience may include knowledge or practice gained from previous work or study, voluntary or community involvement or care responsibilities. Applications will be dealt with on their individual merits. MLA College follows the criteria applied by the University of Plymouth and further information can be accessed with reference to their Academic Regulations A student who has completed any of the Level 7 modules as stand-alone Professional Development modules may APL up to 80 credits towards the PGDip award, provided that this includes all required core modules.</p>
<p><b>Interview / Portfolio requirements:</b></p>	<p>Applicants are expected to submit a full <i>Curriculum Vita</i> or résumé and an application form. Admissions tutors for MLA College will check all applications thoroughly and may also arrange an interview (usually by telephone or video conferencing) for potential students in order to assess their suitability for study. Offers of places are based on the information provided in the application documents and interview (where appropriate).</p> <p>In some instances students may be required to undertake an interview (online, telephone or face to face), or to complete a portfolio assessment and interview. This may take the form of a portfolio of evidence of experiential learning. In line with university regulations, the learning derived from experience or study must be identified in order to be assessed. Identification must be made by the student, on the basis of systematic reflection on the experience or study and the provision of clear and evidenced statements about that learning. This will be formally reviewed to determine that the learning has in fact occurred and that it is still current, and equivalence to university credit weightings and levels.</p> <p>In the case of students being required to complete a form of assessment it will be governed by The University of Plymouth regulations and serves to demonstrate that they have satisfied the learning outcomes of the module(s) for which credit is claimed.</p>
<p><b>Independent Safeguarding Agency (ISA) / Disclosure and Barring Service (DBS) clearance required:</b></p>	<p>No</p>
<p><b>English language requirements</b></p>	<p>If students have not obtained or do not have the appropriate entry qualifications in the English</p>

language, they may be required to produce evidence of English language ability. This will normally be the equivalent of:

- GCSE Grade C or above in English language.
- IELTS 6.5 overall or above with a minimum of 5.5 in all four components (listening, reading, speaking, and writing)
- For further information and alternatives to IELTS, see The University of Plymouth's international student entry requirements [here](#). SEP

### 3.11 Programme Structure

The following table(s) provides the current structure for this programme:

FHEQ level: 7 For: Sustainable Maritime Operations Full Time				
F/T Route Year	When in Year? (i.e. Autumn, Spring etc)	Core or Option Module	Credits	Module
No Full Time Route				
FHEQ level: 7 For: Sustainable Maritime Operations Part Time				
P/T Route Year	When in Year? (i.e. Autumn, Spring etc)	Core or Option Module	Credits	Module
9 to 12 months	September and March	Core module	60 credits	MLA712B Research Project

See [MLA website](#) for more details

### 3.12 Explanation and Mapping of Learning Outcomes, Teaching & Learning Assessment

Developing graduate attributes and skills, at any level of HE, is dependent on the clarity of strategies and methods for identifying the attributes and skills relevant to the programme and where and how these are operationalized. The interrelated factors of Teaching, Learning and Assessment and how these are inclusive in nature, are fundamentally significant to these strategies and methods, as are where and how these are specifically distributed within the programme.

Ordered by graduate attributes and skills, the following table provides a map of the above, plus an exposition to describe and explain the ideas and strategy of each.

Therefore, subsequent to the initial completion for approval, maintenance of this table as and when programme structure changes occur is also important:

FHEQ level: 7					
Definitions of Graduate Attributes and Skills Relevant to this Programme	Teaching and Learning Strategy / Methods	Prog Aims	Prog intended Learning Outcomes	Range of Assessments	Related Core Modules
<p><b>Knowledge / Understanding:</b></p> <p>Students should demonstrate:</p> <p>A deep and systematic understanding of current problems, theoretical and methodological approaches, and how these affect the interpretation of knowledge relevant to Sustainable Maritime Operations</p> <p>Relevant knowledge and understanding of organisations; the marine business environment in which they operate and their management</p> <p>An understanding of the complex interrelationships between the various disciplines within Sustainable Maritime Operations, and with other wider subject areas within the disciplines of marine science and engineering</p>	<p><b>Primary:</b></p> <p>This programme is delivered by fully tutor supported distance e-teaching and learning and integrates student theory and practice learning from: marine sector experts, marine scientists, engineers, practicing managers, entrepreneurs, and other stakeholders.</p> <p><b>Secondary/Supplementary:</b></p> <p>Webinars and guest lectures including virtual face to face and supporting technology to aid student learning.</p> <p>On and offline seminars, workshops, students' local field work, work-based learning, case studies, project work, simulation, practical work and demonstration, virtual discussion groups and mentoring.</p>	1,2,3	1,2,3	<p>Assessment methods typically include:</p> <p>Critical literature review, research proposal and a dissertation.</p>	MLA712B
<p>An explanation for embedding Knowledge and Understanding through Teaching &amp; Learning and Assessment at this level of the programme:</p> <p>The learning and assessment strategy is designed to embrace the nature of this distance e-learning programme and make best use of appropriate technology to inculcate the relevant aspects of knowledge and understanding at Level 7. The MLA uses a balanced approach of constructivist and behaviourist teaching and learning; whereby students are 'lectured' in</p>					

<p>an off-line web-based IT architecture, exposed to practical applications and activities, and complete formative assessment, before undertaking a period of reflection and summative assessment. For example in knowledge and understanding, teaching, learning and assessment; students are introduced to a range of appropriate data sources, software and technologies that include industry standard techniques, so that students are able to revisit the information, in context, attempt formative assessment (repeatedly if necessary), reflect, and then complete a knowledge and understanding focussed assignment, as part of their portfolio of work.</p>					
<p><b>Cognitive and Intellectual Skills:</b></p> <p>Students should be able to:</p> <p>Critically evaluate marine scientific, engineering and commercial paradigms, concepts and principles.</p> <p>Develop critical responses to existing scientific, engineering and commercial practices in the maritime industry, suggesting new concepts and approaches</p> <p>Evaluate critically current research and advanced scholarship in relevant areas of marine science, engineering and commerce</p> <p>Approach academic literature, scientific data and other sources of information critically</p> <p>Appraise modern maritime industry operational behaviour and outcomes.</p>	<p><b>Primary:</b></p> <p>As above: this programme is delivered by fully tutor supported distance e-teaching and learning.</p> <p>Support for cognitive and intellectual skills learning is particularly appropriate in this distance learning environment as students are mature adult learners, most of whom are employed in the offshore industry, and who are very able to recognise their own circumstances and status, understand cognitive and intellectual skills learning outcome targets, self-motivate, take responsibility for their own learning, and use distance learning resources to maximum effect.</p> <p><b>Secondary/Supplementary:</b></p> <p>As above</p>	1,2,3	1,2,3	As above.	MLA712B
<p><b>An explanation for embedding Cognitive and Intellectual Skills through Teaching &amp; Learning and Assessment at this level of the programme:</b></p> <p>Teaching, learning and assessment of cognitive and intellectual skills lends itself well to supported distance e-learning as testing comprehension, logical analysis and problem-solving skills may be readily achieved in formative, numerical and written summative assessments. Students are empowered and take control of their learning content and pace, attending virtual lectures, videos, demonstrations, and simulations, supported by accompanying transcripts and notes. Each lecture is followed by a series of formative tests allowing the student to test their own progress and knowledge. The learner is given the opportunity to revisit the lecture material as many times as they feel is necessary to meet the learning outcomes for that section and complete the formative assessment to an appropriate standard.</p>					
<p><b>Key Transferable Skills:</b></p> <p>Students should be able to:</p> <p>Work collaboratively as an effective team member</p>	<p><b>Primary:</b></p> <p>Learning material is prepared, and tutors are recruited from academically qualified</p>	1,2,3	1,2,3	As above	MLA712B

<p>Communicate information, arguments and analysis effectively at both a scientific and professional level using structured and coherent arguments</p> <p>Use a range of techniques to initiate and undertake complex and independent problem solving</p> <p>Develop a critical ethical and sustainable dimension to professional practice</p>	<p>marine sector experts, marine scientists, engineers and contemporary practitioners.</p> <p><b>Secondary/Supplementary:</b></p> <p>Teaching and learning material is enhanced and its currency maintained through on and offline seminars, work-based learning, case studies, project work, practical work and demonstration, virtual discussion groups and mentoring.</p>				
<p><b>An explanation for embedding Key Transferable Skills through Teaching &amp; Learning and Assessment at this level of the programme:</b></p> <p>Key transferable skills teaching learning and assessment are intimately woven into the fabric of the SMO MSc programme. Present in many compulsory and optional modules, topics such as numeracy, research skills, teamwork, leadership and management, regulation and legislation are recurring threads by which students' knowledge, understanding, skills and wider attributes are developed. Students engage in a wide variety of marine environment content in which key transferable skills are embedded and tested. Lectures, on and offline seminars, workshops, formative and summative assessment are readily focussed on building these qualities.</p>					
<p><b>Employment Related Skills:</b></p> <p>Students should be able to:</p> <p>Apply standard leadership and management techniques in an ethical manner to elements of professional practice</p> <p>Articulate and effectively persuade colleagues, customers and suppliers in the maritime industry</p> <p>Communicate and listen effectively.</p> <p>Communicate in a variety of media.</p> <p>Reflect critically on own learning development and style with application to professional career development</p>	<p><b>Primary:</b></p> <p>Having a strong vocational content and being delivered to maritime industry-oriented distance learning students, employment related skills are a key part of the SMO lecture programme. Though lecture content, guided research, formative and summative portfolio construction students learn and develop maritime industry employment related skills.</p> <p><b>Secondary/Supplementary:</b></p> <p>Work-based learning projects work, case studies, discussion groups and mentoring by tutor staff are used to support employment related skill learning.</p>	1,2,3	1,2,3	As above	MLA712B

An explanation for embedding Employment Related Skills through Teaching & Learning and Assessment at this level of the programme:

As a maritime industry focussed programme, the SMO MSc offers students a wide range of high-quality employment related skills, aimed at team leader/middle manager level. The majority of prospective students are expected to be drawn from marine related industries, working as junior to mid-level operational, engineering, or administrative staff and wishing to enhance their knowledge and understanding as a means to progress their careers. All modules host employment related skills teaching, learning and assessment, in lectures, discussion groups, webinars, formative and summative assessment.

**Practical Skills:**

Students should be able to:

Manage their own working priorities, to plan, organise and manage time.

Plan and manage a project as part of a small team, including making decisions in complex and unfamiliar contexts

Undertake a complex and specialised investigation relevant to Sustainable Maritime Operations, using appropriate numerical and statistical techniques

**Primary:**

Students benefit from learning practical skills from a broad selection of appropriately chosen marine sector experts, marine scientists, engineers and practicing managers. Computer modelling and simulation, use of secondary data and practical demonstrations form the primary teaching and learning in this area.

**Secondary/Supplementary:**

Webinars and guest lecturers including virtual face to face question and answer assist student learning.

1,2,3

1,2,3

As above

MLA712B

An explanation for embedding Practical Skills through Teaching & Learning and Assessment at this level of the programme:

This level 7 programme is designed to offer students a carefully selected, flexible, interesting and contemporary means of studying a wide variety of maritime industry related topics and enable graduates to contribute to their employers' business at an early stage. The challenges of teaching, learning and assessment of the practical skills, outlined above, in a distance learning programme are overcome through structured use of demonstrations, simulation, practical projects, on and offline seminars, workshops, students' manipulation of secondary data, work-based learning, virtual discussion groups and mentoring.

### 3.13 Work Based/Related Learning

FHEQ level:7					
WBL/WRL Activity:	Logistics	Prog Aim	Prog Intended LO	Range of Assessments	Related Core Module(s)
Application of theory, knowledge and understanding to current problems and issues in the industry	Built into preliminary assignments and the dissertation	1,2,3	1,2,3	As above	All
<p><b>An explanation of this map:</b>            This programme is specifically intended for those already working within the disciplines of maritime commerce, science, and engineering. A focus remains, however, in ensuring that all teaching and learning activity demonstrates clear relevance to industry practice and requirements. This will be assured through the regular benchmarking of teaching and learning activities against clear industry requirements, a practice facilitated through the MLA's links with the IMarEST and their participation in groups such as the Marine Industry Alliance Skills Group.</p>					



## 4 Module Records

### UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

**MODULE CODE:** MLA701      **MODULE TITLE:** Marine Science and Engineering Management  
**CREDITS:** 20      **FHEQ LEVEL:** 7      **HECOS CODE(S):** F710  
**PRE-REQUISITES:** None      **CO-REQUISITES:** None      **COMPENSATABLE:** Y

#### SHORT MODULE DESCRIPTOR:

This module equips students with many of the necessary postgraduate study skills, builds enthusiasms, develops concepts associated with maritime sustainable design and operation, and looks forward in examining future trends and developments in marine technology.

ELEMENTS OF ASSESSMENT	
C1 (Coursework)	100%

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

#### MODULE AIMS:

This module aims to equip students with appropriate research skills for study at postgraduate level through a range of applied subject area tasks and explores how modern maritime design, manufacture and operation embraces sustainability. It also aims to develop students' knowledge and understanding of current trends in the maritime industry and how these may be realised and managed sustainably in the future.

#### ASSESSED LEARNING OUTCOMES:

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
1. Apply a range of tools, models, and frameworks to demonstrate critical review of the module content. This should include evidence of being able to participate effectively as an online learner and reflect on, and critically evaluate own skills and performance.	

<p>2. Analyse the extent, nature and importance of sustainable technological design and operation in the marine environment.</p> <p>3. Critically debate and discuss current maritime operational practice and how the global economy may evolve to steer its development in the future.</p>	
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<b>DATE OF APPROVAL:</b> 9 <sup>th</sup> November 2015	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 03/2016	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	
<b>Notes:</b>	

## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-24**

**MODULE LEADER: Dr. Carlos Martins**

**NATIONAL COST CENTRE: 111**

**OTHER MODULE STAFF: Monica Eslava**

### Summary of Module Content

Research skills for postgraduates, maritime sustainability, developments in maritime technology

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures (online)	35	Indicative figures for distance learning
Tutorials and formative assessment (online)	25	Indicative figures for distance learning
Directed and self-study	60	Reading and associated study
Personal development planning	20	Reflection within portfolio
Professional portfolio	60	Completion of assessment
<b>Total</b>	<b>200</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Induction report	40%
	Critical literature review and academic report	60%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Induction report	40%
	Critical literature review and academic report	60%
Online Open Book Assessment	N/A	N/A

#### **To be completed when presented for Minor Change approval and/or annually updated**

**Updated by:** Ann Timms  
Date: 25<sup>th</sup> October 2023

**Approved by:** Glenn Harris  
Date: 14<sup>th</sup> December 2023

## UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

**MODULE CODE:** MLA702                      **MODULE TITLE:** Project and Data Management  
**CREDITS:** 20                                      **FHEQ LEVEL:** 7                                      **HECOS CODE(S):** G200  
**PRE-REQUISITES:** None                      **CO-REQUISITES:** None                      **COMPENSATABLE:** Y

### SHORT MODULE DESCRIPTOR:

MLA702 seeks to build students' postgraduate study skills in an applied maritime context while also equipping them with project and data management skills appropriate to their possible future employment as mid ranking and senior staff in the marine industry.

ELEMENTS OF ASSESSMENT	
C1 (Coursework)	100%

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

### MODULE AIMS:

This Project and Data Management module aims to ensure students have data gathering, manipulation and evaluation skills to critically analyse maritime engineering and commercial data. It also aims to build students' knowledge and understanding further through the practice and development of informal and structured product-based project management practice, project assurance, quality control, change and risk management skills.

### ASSESSED LEARNING OUTCOMES:

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
<ol style="list-style-type: none"><li>1. Gather, prepare and manipulate maritime scientific, engineering, or commercial data sets, using industry-appropriate software, and critically evaluate results.</li><li>2. Model and analyse the behaviour of maritime commercial and engineering systems.</li><li>3. Apply leadership and project management skills to a range of maritime operational scenarios, recognise personal management and leadership strengths and weaknesses,</li></ol>	

<p>and develop individual effective management techniques.</p> <p>4. Evaluate advanced structured product-based project management, project assurance, quality control, change and risk management techniques to marine environment projects.</p>	
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<b>DATE OF APPROVAL:</b> 9 <sup>th</sup> November 2015	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 03/2016	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	
<b>Notes:</b>	

## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-24**

**MODULE LEADER: Dr. Carlos Martins**

**NATIONAL COST CENTRE: 111**

**OTHER MODULE STAFF: Dr. Paul Folan**

**Dr Paul Wright, Monica Eslava**

### Summary of Module Content

Data management and statistics, research methods, modelling and analysis, project management and leadership.

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures (online)	35	Indicative figures for distance learning
Tutorials and formative assessment (online)	25	Indicative figures for distance learning
Directed and self-study	60	Reading and associated study
Personal development planning	20	Reflection within portfolio
Professional portfolio	60	Completion of assessment
<b>Total</b>	<b>200</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Data analysis	40%
	Problem based and reflective report	60%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework (in lieu of the original assessment)	Data analysis	40%
	Problem based and reflective report	60%

#### **To be completed when presented for Minor Change approval and/or annually updated**

**Updated by:** Ann Timms Date: 25<sup>th</sup> October 2023

**Approved by:** Glenn Harris  
Date: 14<sup>th</sup> December 2023

## UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

<b>MODULE CODE:</b> MLA703B	<b>MODULE TITLE:</b> Maritime Industry Practice	
<b>CREDITS:</b> 20	<b>FHEQ LEVEL:</b> 7	<b>HECOS CODE(S):</b> 100810
<b>PRE-REQUISITES:</b> None	<b>CO-REQUISITES:</b> None	<b>COMPENSATABLE:</b> N

**SHORT MODULE DESCRIPTOR:**

Operations within the wider maritime industry for practicing/prospective scientific/commercial managers is discussed, along with aspects of international legislation, global economics and harbour and shipping industry practice. Corporate ethics, sustainable development and corporate and social responsibility are introduced. The nature of integration and interaction between aspects of the maritime industry is discussed.

ELEMENTS OF ASSESSMENT	
C1 (Coursework)	<b>100%</b>

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

**MODULE AIMS:**

This module aims to facilitate the balanced analysis of the global maritime industry and support the construction of students’ understanding of how individuals, team members, employees, leaders, managers, or employers may participate and contribute to the safe, efficient, legal, ethical and effective delivery of maritime activity.

**ASSESSED LEARNING OUTCOMES:**

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
<ol style="list-style-type: none"> <li>1. Relate the necessity to apply current maritime legislative and regulatory statements to complex maritime scenarios and the importance of compliance.</li> <li>2. Evaluate critically the financial and economic models and data in an applied maritime business context.</li> <li>3. Justify and evaluate modern maritime industry operational behaviour and outcomes through the analysis of case studies.</li> </ol>	

4. Critically discuss and evaluate concepts, methods, techniques, and practice related to sustainable and ethical operation in the maritime sphere.	
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<b>DATE OF APPROVAL:</b> 24/09/2018	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 10/2017	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	
<b>Notes</b>	



## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-24**

**MODULE LEADER: Dr. Carlos Martins**

**NATIONAL COST CENTRE: 111**

**OTHER MODULE STAFF: Dr Paul Foden**

**Dr Paul Wright, Monica Eslava**

### Summary of Module Content

Marine industry practice, finance and economics, legislation, regulation, and ethics.

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures (online)	35	Indicative figures for distance learning
Tutorials and formative assessment (online)	25	Indicative figures for distance learning
Directed and self-study	60	Reading and associated study
Personal development planning	20	Reflection within portfolio
Professional portfolio	60	Completion of assessment
<b>Total</b>	<b>200</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Essays, Case study Report, Economic analysis	100%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework (in lieu of the original assessment)	Essays, Case study Report, Economic analysis	100%
Online Open Book Assessment	N/A	N/A

### To be completed when presented for Minor Change approval and/or annually updated

**Updated by:** Ann Timms Date: 25<sup>th</sup> October 2023

**Approved by:** Glenn Harris  
Date: 14<sup>th</sup> December 2023

## UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

<b>MODULE CODE:</b> MLA704C	<b>MODULE TITLE:</b> Protecting the Marine Environment	
<b>CREDITS:</b> 30	<b>FHEQ LEVEL:</b> 7	<b>HECOS CODE(S):</b> 100418
<b>PRE-REQUISITES:</b> None	<b>CO-REQUISITES:</b> None	<b>COMPENSATABLE:</b> Yes

### SHORT MODULE DESCRIPTOR:

This module offers students the opportunity to examine the state of the global ocean and coastal zone, with an emphasis on the effects of maritime activity. In particular, students study the physical and biological nature of the ocean, its sensitivity to mankind's marine activity, requirements and techniques for oceanic protection and current, probable future risks, including the role of sustainable maritime development.

ELEMENTS OF ASSESSMENT	
C1 (Coursework)	100%

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

### MODULE AIMS:

Protection of the Marine Environment aims to give students an understanding of the physical and biological issues posed to the marine environment by maritime activities, allied to an appreciation of the ocean's state, sensitivity, risk of change and damage.

### ASSESSED LEARNING OUTCOMES

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
1. Express a systematic understanding of the key environmental risks posed by, and current within the maritime sector	1
2. Describe, debate and critically analyse the current legislative and marine spatial planning framework	1
3. Apply current marine legislation and regulation to complex maritime change scenarios	1
4. Evaluate methodologies for solving environmental issues, and creatively apply	1,2,3

theories, models, and solutions in a management context	
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<b>DATE OF APPROVAL:</b> 24/09/2018	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 05/2018	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b> March 2022 (MLA704B became MLA704C)	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	

## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-24**

**MODULE LEADER: Dr. Carlos Martins**

**NATIONAL COST CENTRE: 111**

**OTHER MODULE STAFF: Monica Eslava**

### Summary of Module Content

Current environmental risks and issues, such as green ship technology, ballast water and dredging/harbour maintenance. Protection of the ocean and coastal zone through effective marine spatial planning and risk applied regulation and legislation.

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures (online)	40	Indicative figures for distance learning
Tutorials and formative assessment (online)	40	Indicative figures for distance learning
Directed and self-study	100	Reading and associated study
Personal development planning	20	Reflection within portfolio
Professional portfolio	100	Completion of assessment
<b>Total</b>	<b>300</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Environmental risk analysis simulation, Reflective and Case Study Reports	100%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Environmental risk analysis simulation, Reflective and Case Study Reports	100%

#### **To be completed when presented for Minor Change approval and/or annually updated**

**Updated By** Ann Timms **Date:**  
Date: 25<sup>th</sup> October 2023

**Approved by:** Glenn Harris  
Date: 14<sup>th</sup> December 2023

## UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

**MODULE CODE:** MLA705B

**MODULE TITLE:** Ship and Marine Operations

**CREDITS:** 30

**FHEQ LEVEL:** 7

**HECOS CODE(S):** 100418

**PRE-REQUISITES:** None

**CO-REQUISITES:** None

**COMPENSATABLE:** Yes

### SHORT MODULE DESCRIPTOR:

This module explores the role of marine operations, the oil & gas industry and shipping in the extraction of natural resources and movement of freight, in the international, intermodal industry. Global marine trade, shipping, ships and port operation are examined in detail and specific shipping operator roles are identified.

ELEMENTS OF ASSESSMENT	
C1 (Coursework)	100%

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

### MODULE AIMS:

This module aims to describe operational and strategic level ship and maritime activity and enables students to autonomously identify, judge and recommend remedies to some of the problems inherent in international shipping transport industry logistics. Additionally, this module aims to evaluate and implement effective leadership and efficient management practices necessary to the conduct of an efficient organisation.

### ASSESSED LEARNING OUTCOMES

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
<ol style="list-style-type: none"><li>1. Exhibit a detailed knowledge of modern international shipping and other maritime activity, at strategic and operational levels</li><li>2. Apply current theoretical and methodical approaches for effective leadership and management in the international marine industry</li><li>3. Analyse and evaluate modern shipping and marine operational practice with respect to people management, logistical efficiency,</li></ol>	1,3

operational dynamics, and organisational and ethical behaviour.	
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<b>DATE OF APPROVAL:</b> 24/09/2018	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 08/2018	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	

## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-24**

**MODULE LEADER: Dr. Carlos Martins**

**NATIONAL COST CENTRE: 111**

**OTHER MODULE STAFF: Monica Eslava**

### Summary of Module Content

Current environmental risks and issues, such as green ship technology, ballast water and dredging/harbour maintenance. Protection of the ocean and coastal zone through effective marine spatial planning and risk applied regulation and legislation.

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures (online)	40	Indicative figures for distance learning
Tutorials and formative assessment	40	Indicative figures for distance learning
Directed and self-study	100	Reading and associated study
Personal development planning	20	Reflection within portfolio
Assessment completion	100	Completion of all assessed elements
<b>Total</b>	<b>300</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Academic Report	100%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework (in lieu of the original assessment)	Academic Report	100%

<b>To be completed when presented for Minor Change approval and/or annually updated</b>	
<b>Updated by:</b> Ann Timms Date: 25 <sup>th</sup> October 2023	<b>Approved by:</b> Glenn Harris Date: 14 <sup>th</sup> December 2023

## UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

<b>MODULE CODE:</b> MLA706A	<b>MODULE TITLE:</b> Offshore Renewable Energy	
<b>CREDITS:</b> 30	<b>FHEQ LEVEL:</b> 7	<b>HECOS CODE(S):</b> F700
<b>PRE-REQUISITES:</b> None	<b>CO-REQUISITES:</b> None	<b>COMPENSATABLE:</b> Yes

### SHORT MODULE DESCRIPTOR:

Marine Renewable Energy equips students with a strong and stable background framework knowledge and understanding in this specialist area of expertise. Bringing together meteorology, oceanographic and coastal environmental process together with modern renewable engineering techniques, it provides students with a practical and forward-looking skill set in this field.

ELEMENTS OF ASSESSMENT			
C1 (Coursework)	80%	P1 (Practical)	20%

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

### MODULE AIMS:

This module aims to develop students' abilities in the design, development, testing, critical evaluation, and judgement of sustainable current and future energy supply. This module seeks to provide students with the necessary multidisciplinary knowledge and understanding of the arguments, challenges, and solutions to providing sustainable and efficient energy delivery.

### ASSESSED LEARNING OUTCOMES:

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
<ol style="list-style-type: none"> <li>1. Demonstrate knowledge of key concepts relating to meteorology and oceanography.</li> <li>2. Analyse and debate possible social, environmental, and economic impacts arising from the development of marine renewable energy sources.</li> <li>3. Critically evaluate a variety of marine renewable energy generation mechanisms.</li> </ol>	
<b>DATE OF APPROVAL:</b> 9th November 2016	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 03/16	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	



## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-24**

**MODULE LEADER: Dr. Carlos Martins**

**NATIONAL COST CENTRE: 111**

**OTHER MODULE STAFF: Dr. Paul Wright**

### Summary of Module Content

Advanced meteorology and ocean processes, environmental and socio-economic impacts, renewable energy engineering.

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures (online)	40	Indicative figures for distance learning
Tutorials and formative assessment (online)	40	Indicative figures for distance learning
Directed and self-study	100	Reading and associated study
Personal development planning	20	Reflection within portfolio
Professional portfolio	100	Completion of assessment
<b>Total</b>	<b>300</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Critical literature review	20%
	Impact case study	80%
Practical	Recorded presentation	100%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework (in lieu of the original assessment)	Critical literature review	20%
	Impact case study	80%
Practical	Recorded presentation	100%

**To be completed when presented for Minor Change approval and/or annually updated**

**Updated By** Ann Timms

Date: 25<sup>th</sup> October 2023

**Approved by:** Glenn Harris

Date: 14<sup>th</sup> December 2023

**Recommended Texts and Sources**

- Shields, M. and Payne, A. (eds) (2014) *Marine Renewable Energy Technology and Environmental Interactions*. London: Springer.
- Tavner, P. (2012) *Offshore Wind Turbines: Reliability, Availability and Maintenance*. London: Institution of Engineering and Technology.
- Quaschnig, V. (2005) *Understanding renewable energy systems*. London: Earthscan.

## UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

**MODULE CODE:** MLA707B

**CREDITS:** 30

**PRE-REQUISITES:** None

**MODULE TITLE:** Coastal Zone Management

**FHEQ LEVEL:** 7

**CO-REQUISITES:** None

**HECOS CODE(S):** 100410

**COMPENSATABLE:** Yes

### SHORT MODULE DESCRIPTOR:

This module examines maritime activity and its effects in the coastal zone. Examining the status quo in populated and remote coastal zones it offers students a broad perspective on natural and human impacts on littoral areas, embracing the effects of environmental and climate change, commercial and industrial development, legislative control, tourism and leisure.

ELEMENTS OF ASSESSMENT	
C1 (Coursework)	100%

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

### MODULE AIMS:

This module aims to evaluate the current state of the coastal zone environment, in remote and populated areas, and explore how natural and human activity is affecting change, against the wider backdrop of climate and other forces. In particular this module also aims to explore in detail the effects of increasing maritime activities close to the shoreline.

### ASSESSED LEARNING OUTCOMES:

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
1. Develop a detailed understanding of appropriate coastal zone processes and analyse the effects of natural and human activity on these processes	3
2. Evaluate the legal and regulatory arguments associated with current coastal zone development and protection	2
3. Categorise organisational behaviour in the coastal zone to construct a full description of stakeholder engagement and its environmental, social and economic effects	2
	1

4. Extrapolate current tourism, leisure or other coastal zone activity to synthesise future pressures and outcomes in this environment.	
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<b>DATE OF APPROVAL:</b> 24/09/2018	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 01/2019	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	

## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-24**

**MODULE LEADER: Dr. Carlos Martins**

**NATIONAL COST CENTRE: 111**

**OTHER MODULE STAFF: Dr Paul Folan**

**Dr Paul Wright**

### Summary of Module Content

Climate and environmental change, applied maritime legislation, tourism and leisure, stakeholder engagement and behaviour.

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures (online)	40	Indicative figures for distance learning
Tutorials and formative assessment	40	Indicative figures for distance learning
Directed and self-study	100	Reading and associated study
Personal development planning	20	E.g. reflective component within assessed elements
Assessment completion	100	All assessed elements
<b>Total</b>	<b>300</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Written assessment	100%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework (in lieu of the original assessment)	Written assessment	100%

### To be completed when presented for Minor Change approval and/or annually updated

**Updated By** Ann Timms  
Date: 25<sup>th</sup> October 2023

**Approved by:** Glenn Harris  
Date: 14<sup>th</sup> December 2023

## UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

**MODULE CODE:** MLA708

**MODULE TITLE:** Maritime Strategy and Policy

**CREDITS:** 30

**FHEQ LEVEL:** 7

**HECOS CODE(S):** N211

**PRE-REQUISITES:** None

**CO-REQUISITES:** None

**COMPENSATABLE:** Yes

### SHORT MODULE DESCRIPTOR:

Maritime Strategy and Policy sets students' learning into a worldwide marine economy perspective, through the analysis of maritime commercial practice. Appraisal of the occasionally conflicting areas of marine markets, sales, finance, management, leadership, organisational behaviour, operations, maritime communication, enterprise and corporate social responsibility are brought together to develop students' knowledge and understanding.

ELEMENTS OF ASSESSMENT	
C1 (Coursework)	100%

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

### MODULE AIMS:

In the context of the global marine economy, the Maritime Strategy and Policy module aims to describe maritime global trade and develop students' autonomous skills in: problem solving and critical analysis, research, marine management, leadership, team building, statistics and numeracy, staff motivation, entrepreneurial activity and wider communication and persuasive talents.

### ASSESSED LEARNING OUTCOMES:

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
<ol style="list-style-type: none"><li>1. Appraise national and international strategic maritime activity and policy</li><li>2. Demonstrate a detailed understanding of common financial analysis tools, and apply these in a maritime context</li><li>3. Analyse marine business case studies, from operational, economic and ethical perspectives to form supportable judgements and financial success</li></ol>	

4. Demonstrate the skills required to manage for financial and operational success in a maritime business setting.	
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<b>DATE OF APPROVAL:</b> 9th November 2015	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 03/2016	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	

## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-24**  
**MODULE LEADER: Dr. Carlos Martins**

**NATIONAL COST CENTRE: 113**  
**OTHER MODULE STAFF: Dr. Paul Folan**  
**Dr Paul Wright**

### Summary of Module Content

Finance and numeracy, maritime commerce and communication, maritime markets, sales and enterprise, organisational behaviour, problem solving and corporate responsibility

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures (online)	40	Indicative figures for distance learning
Tutorials and formative assessment (online)	40	Indicative figures for distance learning
Directed and self-study	100	Reading and associated study
Personal development planning	20	Reflection within portfolio
Professional portfolio	100	Completion of assessment
<b>Total</b>	<b>300</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Critical literature review	30%
	Financial and PESTLE analysis	50%
	Reflective report	20%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework (in lieu of the original assessment)	Critical literature review	30%
	Financial and PESTLE analysis	50%
	Reflective report	20%

<b>To be completed when presented for Minor Change approval and/or annually updated</b>	
<b>Updated By</b> Ann Timms Date: 25 <sup>th</sup> October 2023	<b>Approved by:</b> Glenn Harris Date: 14 <sup>th</sup> December 2023



**Recommended Texts and Sources:**

- Atrill, P. and McLaney, E.J. (2013) *Accounting and Finance for Non-Specialists*. Harlow: Routledge.
- Institute of Chartered Shipbrokers (2013) *Shipping Finance*. London: ICS.
- Roe, M. (2012) *Maritime Governance and Policymaking*. London: Springer.
- Selkou, E. and Roe, M.S. (2004) *Globalisation, Policy and Shipping*, Edward Elgar: Cheltenham.
- Stopford, M. (2013) *Maritime Economics*. Abingdon: Routledge.

## UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

**MODULE CODE:** MLA709

**CREDITS:** 30

**PRE-REQUISITES:** None

**MODULE TITLE:** Work Based Learning for Marine Professionals

**FHEQ LEVEL:** 7

**CO-REQUISITES:** None

**HECOS CODE(S):** J690

**COMPENSATABLE:** Yes

### SHORT MODULE DESCRIPTOR:

This module contributes to students' academic understanding ('cognitive learning') by applying theoretical concepts in practice. Students will have the opportunity to develop knowledge and understanding relevant to the business in which they operate, and develop critical responses to existing scientific, engineering and commercial practices.

ELEMENTS OF ASSESSMENT	
C1 (Coursework)	100%

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

### MODULE AIMS:

This module aims to build knowledge and competence in operational practice, applying and evaluating current methods and approaches.

### ASSESSED LEARNING OUTCOMES:

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
1. Review their personal/professional knowledge and skills	1,2
2. Produce work-based evidence to demonstrate improvement in own knowledge and competence	1,2
3. Research and critically evaluate both relevant and emerging developments (or solutions) relating to the area of operational practice in focus	2,3
4. Judge how they will contribute to future developments (or solutions), and how such developments (or solutions) within the workplace can be articulated and promoted	1,2,3,

5. Critically reflect on their own learning journey through the module	1,3
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<b>DATE OF APPROVAL:</b> 07/03/2018	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> May 2018	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	

## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-24**

**NATIONAL COST CENTRE: 111**

**MODULE LEADER: Dr. Carlos Martins**

**OTHER MODULE STAFF: Dr. Paul Folan**

### Summary of Module Content

Informed by the operational requirements of their workplace, students will develop a WBL agreement across an agreed time scale, and work towards researching and critically evaluating relevant and emerging developments (or solutions) relating to their area of professional practice.

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures	5	Indicative figures
Work based activities	200	Activities and progress will be monitored through the tutor process
Tutorials and seminars	20	Tutor support by distance learning
Assessment	75	Completion of assessment activities
<b>Total</b>	<b>300</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	WBL report, analysis and critical reflection	100%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework (in lieu of the original assessment)	WBL report, analysis and critical reflection	100%

<b>To be completed when presented for Minor Change approval and/or annually updated</b>	
<b>Updated By</b> Ann Timms Date: 25 <sup>th</sup> October 2023	<b>Approved by:</b> Glenn Harris Date: 14 <sup>th</sup> December 2023

## UNIVERSITY OF PLYMOUTH MODULE RECORD

**SECTION A: DEFINITIVE MODULE RECORD.** *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

<b>MODULE CODE:</b> MLA712B	<b>MODULE TITLE:</b> Research project	
<b>CREDITS:</b> 60	<b>FHEQ LEVEL:</b> 7	<b>HECOS CODE(S):</b> 100404
<b>PRE-REQUISITES:</b> None	<b>CO-REQUISITES:</b> None	<b>COMPENSATABLE:</b> N

**SHORT MODULE DESCRIPTOR:**

Students have the opportunity to research a topic or problem of interest. An in-depth investigation employing numerical, analytical and/or modelling of data may be undertaken. Students may participate in either an established research area or follow a line of work based on their own interest.

<b>ELEMENTS OF ASSESSMENT /</b>			
<b>C1</b> (Coursework)	<b>90%</b>	<b>P1</b> (Practical)	<b>10%</b>

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA

**Professional body minimum pass mark requirement:** N/A

**MODULE AIMS:**

To undertake a programme of advanced scholarship, plan, execute and report on a programme of research appropriate to the aspirations of the student and their current or chosen field of work within the maritime sphere.

**ASSESSED LEARNING OUTCOMES:**

At the end of the module the learner will be expected to be able to:

<b>Assessed Module Learning Outcomes (ALOs)</b>	<b>Programme Intended Learning Outcomes (PILOs) contributed to</b>
1. Plan and manage a self-directed period of study 2. To undertake a complex research project in a systematic way 3. Demonstrate an ability to critically analyse current research and advanced scholarship in the topic of choice	
<b>DATE OF APPROVAL:</b> 24/09/2018	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 09/2017	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	

## SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

**ACADEMIC YEAR: 2023-2024**

**MODULE LEADER: Dr. Carlos Martins**

**NATIONAL COST CENTRE: 111**

**OTHER MODULE STAFF: Monica Eslava**

**Dr Paul Wright**

### Summary of Module Content

Identification of a research topic. Planning and management of a research programme, meetings schedule. Critical review of literature. Collection of data and/ or development of theory. Analysis and conclusions. Communication of research rationale, methodology and conclusions

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information</b>
Lectures (online)	10	Indicative figures for distance learning
Tutorials	10	Indicative figures for distance learning
Seminars	5	Indicative figures for distance learning
Guided independent study	575	Indicative figures for distance learning
<b>Total</b>	<b>600</b>	<b>(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)</b>

### SUMMATIVE ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework	Completion of thesis, project proposal and literature review	100%
Practical	Presentation	100%

### REFERRAL ASSESSMENT

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Coursework (in lieu of the original assessment)	Completion of thesis, project proposal and literature review	100%

#### **To be completed when presented for Minor Change approval and/or annually updated**

**Updated by:** Ann Timms  
Date: 25<sup>th</sup> October 2023

**Approved by:** Glenn Harris  
Date: 14<sup>th</sup> December 2023