

**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:** MLA602**MODULE TITLE:** Met Ocean Processes and Impacts**CREDITS:** 30**FHEQ LEVEL:** 6**HECOS CODE(S):** F700**PRE-REQUISITES:** None**CO-REQUISITES:** None**COMPENSATABLE:** N**SHORT MODULE DESCRIPTOR**

Met Ocean Processes and Impacts gives students a balanced insight into the earth's meteorological and oceanographic processes, how they affect the marine environment and are in turn changed by maritime business activity and development. Having gained an understanding of the maritime environment, students examine the requirement for marine environmental protection, how this is achieved and managed across the globe, and developments in offshore renewable energy.

ELEMENTS OF ASSESSMENT					
<b>E1</b> (Examination)	N/A	<b>C1</b> (Coursework)	<b>70%</b>	<b>P1</b> (Practical)	<b>30%</b>
<b>E2</b> (Clinical Examination)	N/A	<b>A1</b> (Generic assessment)	N/A		
<b>T1</b> (Test)	N/A	<b>O1</b> (online open book assessment)	N/A		

**SUBJECT ASSESSMENT PANEL to which module should be linked:** MLA**Professional body minimum pass mark requirement:** N/A**MODULE AIMS:**

This module aims to offer students an opportunity to investigate, in detail, atmospheric and oceanographic processes and their effects on maritime activities. Additionally, facilitating the development of understanding of global maritime environments, their sensitivity to change and protection needs, and defining the complex nature of offshore renewable energy, and evaluating possible solutions.

**ASSESSED LEARNING OUTCOMES:** (additional guidance below; please refer to the Programme Specification for relevant Programme Intended 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. Analyse global and local scale meteorological and oceanographic mechanisms and processes, including the analysis and evaluation of data 2. Describe critically the characteristics of marine and coastal environments, and evaluate their sensitivity to change 3. Research and debate arguments to describe and assess the impacts of maritime operations and	(Please align all the relevant PILOs to each ALO as appropriate and expand this box as necessary to include all required information)

commercial development on the marine environment 4. Describe critically and evaluate typical offshore renewable energy systems	
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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> 01/2016	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b>	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	
Notes: For delivering institution’s HE Operations or Academic Partnerships use if required	

**Additional Guidance for Learning Outcomes:**

**To ensure that the module is pitched at the right level check your intended learning outcomes against the following nationally agreed standards**

- Framework for Higher Education Qualifications  
<http://www.qaa.ac.uk/docs/qaa/quality-code/qualifications-frameworks.pdf>
- Subject benchmark statements <https://www.qaa.ac.uk/quality-code/subject-benchmark-statements>
- Professional, regulatory and statutory (PSRB) accreditation requirements (where necessary e.g. health and social care, medicine, engineering, psychology, architecture, teaching, law)
- QAA Quality Code <https://www.qaa.ac.uk/quality-code>

**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: 2022-23****NATIONAL COST CENTRE: 111****MODULE LEADER: Dr Carlos Martins****OTHER MODULE STAFF: Dr Jaimie Cross****Summary of Module Content**

Atmospheric physics, ocean processes, analysis of scientific data sets, offshore renewable energy.

<b>SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]</b>		
<b>Scheduled Activities</b>	<b>Hours</b>	<b>Comments/Additional Information (briefly explain activities, including formative assessment opportunities)</b>
Lectures (online)	50	Indicative figures for distance learning
Tutorials and formative assessment (online)	35	Indicative figures for distance learning
Directed and self-study	100	Reading and associated study
Personal development planning	10	Reflection within portfolio
Professional portfolio	105	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>
Written exam	N/A	N/A
Test	N/A	N/A
Coursework	Regional Coastal Environmental Report	100%
Practical	Recorded video presentation	100%
Clinical Examination	N/A	N/A
Generic Assessment	N/A	N/A
Online open book assessment	N/A	N/A

**REFERRAL ASSESSMENT**

<b>Element Category</b>	<b>Component Name</b>	<b>Component Weighting</b>
Written exam	N/A	N/A
Coursework (in lieu of the original assessment)	Regional Coastal Environmental Report	100%
Coursework	N/A	N/A
Practical	Recorded video presentation	100%
Clinical Examination	N/A	N/A
Generic Assessment	N/A	N/A
Test	N/A	N/A
Online Open Book Assessment	N/A	N/A

**To be completed when presented for Minor Change approval and/or annually updated****Updated by:** Dr. Richard Thain

Date: 6th January 2016

**Approved by:** MLA

Date: 9th November 2015