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: EHYD201 **MODULE TITLE: Meteorology and Oceanography**
CREDITS: 30 **FHEQ LEVEL: 5** **HECOS CODE(S): F720**
PRE-REQUISITES: None **CO-REQUISITES: None** **COMPENSATABLE: N**
SHORT MODULE DESCRIPTOR:
All hydrographic surveyors require an in-depth understanding of the environment in which they operate. This module enables the student to acquire the knowledge and understanding of the key aspects of meteorology and oceanography, together with the opportunity to develop their practical skills in data analysis and presentation.

ELEMENTS OF ASSESSMENTS					
E1 (Examination)	N/A	**C1** (Coursework)	100%	**P1** (Practical)	N/A
E2 (Clinical Examination)	N/A	**A1** (Generic assessment)	N/A		
T1 (Test)	N/A	**O1**(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 provide the student with the knowledge and understanding of the underpinning meteorology and oceanography theories required to operate successfully as a hydrographic surveyor.

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:

Assessed Module Learning Outcomes (ALOs)	**Programme Intended Learning Outcomes (PILOs) contributed to**
1. Analyse a synoptic chart and available weather information, and account for the effects this may have on the conduct of a hydrographic survey 2. Demonstrate knowledge of key concepts relating to physical oceanography, including waves and tides 3. Reproduce common oceanographic profiles and account for changes within and between them 4. Discuss the complications encountered in nearshore and shallow water environments such as estuaries, beaches and deltas.	

DATE OF APPROVAL: 01/2013	**FACULTY/OFFICE:** Academic Partnerships
DATE OF IMPLEMENTATION: 06/2013	**SCHOOL/PARTNER:** MLA
DATE(S) OF APPROVED CHANGE:	**SEMESTER:** AY
MODE OF DELIVERY: 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 Jaimie Cross **OTHER MODULE STAFF: Dr Carlos Martins**

Summary of Module Content

Basic concepts in atmospheric and ocean physics. Interpreting synoptic charts for temperate latitudes and a study of tropical meteorology. The effect of meteorology on sensors and sensor performance. In oceanography, oceanic domains and seabed types are followed by water column properties and behaviour, waves and tides, and shallow water domains.

SUMMARY OF TEACHING AND LEARNING *[Use HESA KIS definitions]*		
Scheduled Activities	**Hours**	**Comments/Additional Information (briefly explain activities, including formative assessment opportunities)**
Lectures (on-line)	100	Indicative figures for distance learning
Practical work (on-line)	20	Including meteorological and oceanographic data analysis and presentation
Directed and self-study, summative assessment & professional portfolio	160	Reading and associated study
Personal development planning	20	
Total	**300**	**(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)**

SUMMATIVE ASSESSMENT

Element Category	**Component Name**	**Component Weighting**
Written exam	N/A	N/A
Test	N/A	N/A
Coursework	Meteorology Oceanography	40% 60%
Practical	N/A	N/A
Clinical Examination	N/A	N/A
Generic Assessment	N/A	N/A
Online open book assessment	N/A	N/A

REFERRAL ASSESSMENT

Element Category	Component Name	Component Weighting
Written exam	N/A	N/A
Coursework (in lieu of the original assessment)	Meteorology Oceanography	40% 60% 100%
Coursework	N/A	N/A
Practical	N/A	N/A
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: Paul Newman **Date:** 13/05/2015	**Approved by**: Ross Pomeroy **Date:** 13/05/2015