

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:** EHYD102A**MODULE TITLE:** Nautical Science**CREDITS:** 30**FHEQ LEVEL:** 4**HECOS CODE(S) [max 3]:** F720**PRE-REQUISITES:** None**CO-REQUISITES:** None**COMPENSATABLE:** N**SHORT MODULE DESCRIPTOR:**

This module will allow the student to build on the material introduced in the first introductory Marine Learning Alliance module, to develop learning and study skills together with an understanding of underpinning scientific principles. An introduction to aspects of nautical science important to the professional working in the marine environment are also provided.

ELEMENTS OF ASSESSMENT					
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 introduce the student to the underpinning scientific principles, study methods and elements nautical science important to professionals working in the marine environment

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
<ol style="list-style-type: none"> 1. Exhibit a sound understanding of underpinning scientific principles and methods relevant to marine sciences 2. Apply study skills and research methods effectively in a programme of undergraduate study 3. Demonstrate an awareness of the theoretical and practical aspects of nautical science required by the hydrographic surveyor working at sea 	<p>Deliver a professional portfolio to meet LO1 & LO2, scientific principles, basic physics & sensors.</p> <p>LO3 Navigation, ENC, types of survey, electronics & signal processing.</p>

DATE OF APPROVAL: 05/2015	FACULTY/OFFICE: Academic Partnerships
DATE OF IMPLEMENTATION: 05/2015	SCHOOL/PARTNER: MLA
DATE(S) OF APPROVED CHANGE:	SEMESTER: AY
MODE OF DELIVERY: distance learning	
Notes: This module has replaced EHYD102 with the only change being to now correctly reference MLA rather than the HA (May 2015, Ross Pomeroy).	

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:**

An introduction to study skills and research methods, including accessing a range of learning resources, report writing, referencing and portfolio development. Study of key scientific principles relevant to studying generic nautical science subjects, such as measurement, units, and basic physics. Study of the terminology appropriate to hydrography, including survey specifications, electronic charts, communication at sea and rule of the road; together with an introduction to safety and seamanship.

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)	130	Indicative figures for distance learning
Tutorials and formative assessment (on-line)	15	Indicative figures for distance learning
Practical work (on-line)	10	Including measurement and units, basic physics, and electronics
Directed Self-Study, personal development planning and completion of summative assessment	155	Reading and associated study leading to assessment
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	Marine Science	60%
	Working in the Marine Environment	40%
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)	Marine Science Working in the Marine Environment	60% 40%
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