

## 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:** EHY505A

**CREDITS:** 20

**PRE-REQUISITES:** None

**MODULE TITLE:** Hydrographic Survey Practice and Management

**FHEQ LEVEL:** 7

**CO-REQUISITES:** None

**HECOS CODE(S):** F270

**COMPENSATABLE:** Yes

**SHORT MODULE DESCRIPTOR:**

This module prepares the student for the final practical residential module, by developing important skills in survey planning and management

ELEMENTS OF ASSESSMENT					
<b>E1</b> (Examination)	N/A	<b>C1</b> (Coursework)	<b>100%</b>	<b>P1</b> (Practical)	N/A
<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 provide the student with the competences necessary to plan and specify a hydrographic survey, paying due regard to the relevant legal and advisory frameworks.

**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. Evaluate the application of relevant legal and advisory frameworks to the planning and conduct of hydrographic surveys 2. Specify and plan a hydrographic survey, producing appropriate documentation to required standards 3. Demonstrate an ability to select and appraise the leadership and management theories necessary to manage hydrographic survey operations effectively 4. Manage hydrographic data effectively using a variety of ICT based tools	Evaluate regulatory and legal frameworks to the conduct of hydrographic surveys. Specify and plan a hydrographic survey, producing appropriate documentation to required standards.  Appraise leadership and management theories. Manage hydrographic data effectively using a variety of IT tools.

<b>DATE OF APPROVAL:</b> 01/2013	<b>FACULTY/OFFICE:</b> Academic Partnerships
<b>DATE OF IMPLEMENTATION:</b> 06/2015	<b>SCHOOL/PARTNER:</b> MLA
<b>DATE(S) OF APPROVED CHANGE:</b> 03/22	<b>SEMESTER:</b> AY
<b>MODE OF DELIVERY:</b> distance learning	
<b>Additional notes (for office use only):</b> For delivering institution's HE Operations or Academic Partnerships use if required  EHYD505A replaces code EHYD505 to reflect only that this module should be compensatable (R Pomeroy, 3/3/22)	

#### **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:**

Relevant legal frameworks, including Law of the Sea, UNCLOS, and guiding paradigms included in Integrated Coastal Zone Management. Further research methods and data management, including an introduction to management and leadership relevant to hydrographic surveyors. Survey design and specifications, including the production of tender documentation. Data management.

<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 (on-line)	40	Watching and listening to on and offline lectures
Practical work (on-line)	15	Including presentations and planning techniques
Tutorials and formative assessment	15	Tutor-led sessions and quizzes
Directed and self-study	60	Research
Personal development planning and research methods	10	
Professional portfolio	60	Competing own written and mathematical work
<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>
Written exam	N/A	N/A
Test	N/A	N/A
Coursework	Professional Portfolio	60% 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)	Professional Portfolio	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

<b>To be completed when presented for Minor Change approval and/or annually updated</b>	
<b>Updated by:</b> MLA College <b>Date:</b> 3 <sup>rd</sup> March 2022	<b>Approved by:</b> Dr Ross Pomeroy <b>Date:</b> 3 <sup>rd</sup> March 2022

<p><b>Recommended Texts and Sources:</b></p> <ul style="list-style-type: none"> <li>• Lekkerkerk H-J, van der Velden R, Haycock T, Jansen P, de Vries R, van Waalwijk P, Beemster C. (2006) <i>Handbook of Offshore Surveying</i>. Skilltrade, Clarkson Research Services, London</li> <li>• International Hydrographic Organization’s online “<i>Manual on Hydrography</i>” (publication C-13)</li> <li>• International Hydrographic Organization’s online “<i>Standards for Hydrographic Surveys</i>” (publication S-44)</li> </ul> <p>Journals:</p> <ul style="list-style-type: none"> <li>• Hydrographic Journal</li> <li>• Hydro International</li> <li>• Sea Technology</li> <li>• Marine Geodesy</li> </ul>
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