



### MODULE SPECIFICATION

Part 1: Information			
<b>Module Title</b>	General Medical Ultrasound in Practice		
<b>Module Code</b>	UZYSPPH-30-M	<b>Level</b>	M
<b>For implementation from</b>	January 2020		
<b>UWE Credit Rating</b>	30	<b>ECTS Credit Rating</b>	15
<b>Faculty</b>	Health and Applied Sciences	<b>Field</b>	Allied Health Professions
<b>Department</b>	Allied Health Professions		
<b>Contributes towards</b>	MSc In Medical Ultrasound		
<b>Module type:</b>	Professional Practice		
<b>Pre-requisites</b>	None		
<b>Excluded Combinations</b>	None		
<b>Co- requisites</b>	Fundamentals of Ultrasound Technology UZYY8P-15-M		
<b>Module Entry requirements</b>	Applicants must be working in a relevant area of ultrasound practice, and have either completed or be enrolled on a relevant physics or the Fundamentals of Ultrasound Technology module, by agreement with the module leader.		

Part 2: Description	
<p>The aim of this module is to develop a safe and competent practitioner equipped with knowledge, critical understanding and professional skills for participation in an effective General Medical Ultrasound Imaging service.</p> <p>Typically, this module will cover:</p> <ul style="list-style-type: none"> <li>• Applied anatomy, physiology and pathology related to general medical ultrasound practice; role of ultrasound as a screening procedure</li> <li>• Interpretation of biochemical and other invasive or non-invasive screening/diagnostic tests, issues relating to the holistic preparation and care of the patient</li> <li>• Role of ultrasound in the overall management of the patient.</li> <li>• Ultrasound appearances of normal and abnormal anatomy, to include anatomical variants.</li> <li>• Range of ultrasound techniques for external and intra-cavity procedures.</li> <li>• Doppler studies.</li> <li>• Contrast Agents.</li> <li>• Complementary and/or alternative imaging techniques.</li> <li>• 4D Scanning</li> <li>• Interpretation and recording of examination data.</li> <li>• Safety guidelines, protocols and legislation.</li> <li>• Contemporary research and developments in ultrasound.</li> <li>• Techniques related to ultrasound imaging of abdominal and pelvic contents</li> </ul>	

- Genito-urinary system Hepato-biliary system
- Pancreas
- Lymphatic system
- Peritoneum Vascular
- Digestive system
- Male and female reproductive systems
- Normal and abnormal appearances of the female pelvis
- Techniques related to ultrasound imaging of non-abdominal superficial structures
- Thyroid; breast; soft-tissues; musculo-skeletal; vascular; testes; salivary glands.
- Paediatric ultrasound techniques
- Ultrasound of the thorax
- Pleural and pericardial effusions.
- Legal and Ethical Issues
- Professional and Employment Issues Relating to General Medical Ultrasound Practice
- Communication Skills
- Reporting of Ultrasound Images

**Part 3: Assessment**

**Component A:**

Completion of a Clinical Portfolio to include summative clinical assessments.

Summative requirements of the portfolio are:

- Learning Contract
- Clinical Case Logs (minimum of 100, with 4 of these to be summatively assessed)
- Final Placement Report

**Rationale:**

This component of assessment provides the opportunity for the student to demonstrate clinical competence and appreciation of the role of a sonographer in the relevant context of ultrasound imaging.

**Component B:**

Structured Oral and Practical Examination (SOPE) maximum 45 minutes

**Rationale:**

The use of a SOPE replicates the required skills of image commenting in clinical practice and enables demonstration of knowledge and clinical reasoning through both practical demonstration and defended questioning. It enables the demonstration of the knowledge and understanding of the protocols, skills and reasoning (including relevant contemporary research) underpinning relevant ultrasound imaging, assessment and clinical reasoning.

**Formative Assessment Opportunities:**

A range of resources including simulation opportunities and practical workshops will be available in addition to tutor support and feedback both in practice and via the module team.

Identify final timetabled piece of assessment (component and element)	Component A	
	<b>A:</b>	<b>B:</b>

<b>First Sit</b>	
<b>Component A</b> (controlled conditions) <b>Description of each element</b>	<b>Element weighting</b>
Clinical portfolio	Pass/Fail
<b>Component B</b> <b>Description of each element</b>	<b>Element weighting</b>
Structured Oral and Practical Examination (SOPE) (maximum 45 minutes)	100
<b>Resit (further attendance at taught classes is not required)</b>	
<b>Component A</b> (controlled conditions) <b>Description of each element</b>	<b>Element weighting</b>
Clinical portfolio	Pass/Fail
<b>Component B</b> <b>Description of each element</b>	<b>Element weighting</b>
Structured Oral and Practical Examination (SOPE) (maximum 45 minutes)	100
<b>Part 4: Learning Outcomes &amp; KIS Data</b>	
<b>Learning Outcomes</b>	<p>On successful completion of this module students will be able to:</p> <ul style="list-style-type: none"> <li>• Utilise relevant knowledge of anatomy, physiology and pathology of the abdominal organ systems to make evaluative judgements on the outcomes of general abdominal ultrasound examinations. (Component A and B)</li> <li>• Competently, skilfully, and accurately, perform and report the findings of, a comprehensive range of general abdominal ultrasound procedures. (Component A)</li> <li>• Critically evaluate the contribution that general abdominal ultrasound makes to the overall management of the patient with reference to screening and diagnostic procedures. (Component A and B)</li> <li>• Critically appraise the evidence base for general abdominal ultrasound practice and reflect on one's own practice and the practice of others within this context. (Component B)</li> <li>• Demonstrate a critical knowledge of the legal, ethical, professional and organisational aspects of current ultrasound practice in general medical ultrasound. (Component B)</li> <li>• Effectively communicate with clients, their families and healthcare professionals, and make appropriate referrals as required. (Component A)</li> </ul>
<b>Key Information Sets Information (KIS)</b>	

<b>Contact Hours</b>	<b>Key Information Set - Module data</b>																			
	Number of credits for this module					30														
<b>Total Assessment</b>	Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours															
	300	112	188	390	690	✘														
	<p>The above placement hours are a normal average, based on this being a practice-based programme which normally requires students to complete on average a minimum of 15 hours per week in a relevant practice setting per professional practice module.</p> <p>The table below indicates as a percentage the total assessment of the module which constitutes a;</p> <p><b>Written Exam:</b> Unseen or open book written exam  <b>Coursework:</b> Written assignment or essay, report, dissertation, portfolio, project or in class test  <b>Practical Exam:</b> Oral Assessment and/or presentation, practical skills assessment, practical exam (i.e. an exam determining mastery of a technique)</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2">Total assessment of the module:</td> <td></td> </tr> <tr> <td>Written exam assessment percentage</td> <td></td> <td style="text-align: center;">0%</td> </tr> <tr> <td>Coursework assessment percentage</td> <td></td> <td style="text-align: center;">50%</td> </tr> <tr> <td>Practical exam assessment percentage</td> <td></td> <td style="text-align: center;">50%</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">100%</td> </tr> </table>						Total assessment of the module:			Written exam assessment percentage		0%	Coursework assessment percentage		50%	Practical exam assessment percentage		50%		
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		100%																		
<b>Reading List</b>	<a href="https://rl.talis.com/3/uwe/lists/E50E52F8-EC64-C939-E7F0-696669CC4938.html?lang=en-GB&amp;login=1">https://rl.talis.com/3/uwe/lists/E50E52F8-EC64-C939-E7F0-696669CC4938.html?lang=en-GB&amp;login=1</a>																			

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<b>First Approval Date (and panel type)</b>	9 July 2013			
<b>Revision ASQC Approval Date</b> Update this row each time a change goes to ASQC	31 October 2018	<b>Version</b>	2	Link to RIA
	29 August 2019 (PER)		3	