

MODULE SPECIFICATION

Part 1: Basic data					
Module title	Diagnostics for Veterinary Nurses				
Module code	UINXQ6-15-2	Level	2	Version	1.3
UWE credit rating	15	ECTS credit rating	7.5	WBL module?	No
Owning faculty	Hartpury	Field	Animal and Land Science		
Department	Animal and Land	Module type	Standard		
Contributes towards	BSc (Hons) Veterinary Nursing Science (SW) FdSc Veterinary Nursing Science (SW) FdSc Equine Veterinary Nursing Science (SW)				
Pre-requisites	Anatomy for Veterinary Nurses (UINXNP-30-1); OR Anatomy & Physiology (UINXGB-20-1)	Co-requisites	None		
Excluded combinations	None	Module entry requirements	None		
First CAP Approval Date	11 June 2013	Valid from	01 September 2014		
Revision CAP Approval Date	v1.1- 29 May 2014 v1.2- 07 April 2014 v1.3- 23 February 2017	Revised with effect from	01 January 2017		

Review Date	01 September 2019
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Part 2: Learning and teaching	
Learning outcomes	<p>On successful completion of this module students will be able to:</p> <ol style="list-style-type: none"> 1 Evaluate how to prepare animals for diagnostic tests. (A) 2 Discuss how to preserve samples from animals for analysis. (A) 3 Review diagnostic testing to include the preparation of diagnostic test equipment and materials. (A) 4 Evaluate how to prepare animals for endoscopy and ultrasound diagnostic imaging. (A) 5 Discuss the principles and practices of conducting radiographs on patients to include the preparation of diagnostic imaging equipment and materials. (A)

Syllabus outline	<ol style="list-style-type: none"> 1 Principles for the preparation of diagnostic test equipment and materials for the following sample types: Blood (to include serum and plasma), Urine, Skin, Hair, Biopsies and other bodily fluids. 2 Health and safety relating to both diagnostic testing and imaging to include disposal of waste and PPE. 3 Maintain diagnostic test and imaging equipment and materials according to appropriate guidelines including checking for and identifying faults. 4 Principles of patient preparation for both diagnostic tests and imaging to include the necessary history, diet, fluids, exercise and feeding requirements, positioning and restraint to include patient welfare. 5 Identification of sample collection sites. 6 Principles of preserving, storing labelling and transporting samples using the correct techniques, guidelines and containers. 7 Principles of completing documentation for diagnostic tests and imaging. 8 Principles and/or practical competence of using diagnostic test equipment to include: Refractometer, Microscope, Centrifuge, Commercial test kits and Laboratory Analysers in accordance with guidelines and health and safety. 9 How to record and communicate diagnostic test and imaging results in a professional and appropriate manor. 10 Principles of preparing equipment and materials for: Radiography, Digital Radiography, Ultrasound and Endoscopy to include: X-ray machine, Radiation Monitoring equipment, cassettes and positioning aids. 11 Understand how to prepare, store and use films, processing materials and contrast materials. 12 Principles of monitoring animals before, during and after diagnostic tests and imaging incorporating patient welfare and including Ultrasonography and Endoscopy. 13 Perform simulations for radiographic images using: x-ray machine, radiation monitoring equipment, cassettes, positioning aids and grids. 14 Be proficient in positioning patients for, identifying anatomical directions/boundaries, collimation, centring and labelling for radiographs. <p>RCVS Day One Skills for Veterinary Nurses 5.1 – 6.7 (for intake 16/17 onwards)</p> <p>RCVS Day One Skills for Veterinary Nurses; 6, 19, 21</p> <p>All of the above topics will be considered in line with the current LANTRA Veterinary Nursing Occupational Standards (NOS); RVN12, RVN13, RVN14, RVN18, RVN 19, RVN20.</p> <p>The module is also referenced to the following RCVS day one practical skills for veterinary nurses; VN 9 and VN10.</p>								
Contact hours	<p>Indicative delivery modes:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Lectures, guided learning, seminars etc</td> <td style="text-align: right;">48</td> </tr> <tr> <td>Self directed study</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Independent learning</td> <td style="text-align: right;">99</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">150</td> </tr> </table>	Lectures, guided learning, seminars etc	48	Self directed study	3	Independent learning	99	TOTAL	150
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Teaching and learning methods	<p>This module is delivered using large group learning sessions and opportunities for small group work. Additionally essential and recommended reading and exercises will be introduced to guide students through the core syllabus.</p> <p>Scheduled learning May include lectures, seminars, tutorials, demonstration, practical classes and workshops; external visits.</p> <p>Independent learning May include hours engaged with essential reading, examination preparation etc. These sessions constitute an average time per level as indicated in the table below. Scheduled sessions may vary slightly depending on the module choices you make.</p>								

	<p>Virtual learning environment (VLE) This module is supported by a VLE where students will be able to find all necessary module information. Direct links to information sources will also be provided from within the VLE.</p>																		
Key information sets information	<p>Key Information Sets (KIS) are produced at programme level for all programmes that this module contributes to, which is a requirement set by HESA/HEFCE. KIS are comparable sets of standardised information about undergraduate courses allowing prospective students to compare and contrast between programmes they are interested in applying for.</p> <p>Key information set – module data</p> <p>Number of credits for this module 15</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Hours to be allocated</th> <th style="width: 25%;">Scheduled learning and teaching study hours</th> <th style="width: 25%;">Independent study hours</th> <th style="width: 20%;">Placement study hours</th> <th style="width: 15%;">Allocated hours</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">150</td> <td style="text-align: center;">51</td> <td style="text-align: center;">99</td> <td style="text-align: center;">0</td> <td style="text-align: center;">150</td> </tr> </tbody> </table> <p>The table below indicates as a percentage the total assessment of the module which constitutes a:</p> <ol style="list-style-type: none"> 1 <i>Written exam:</i> Unseen written exam, open book written exam, in-class test. 2 <i>Coursework:</i> Written assignment or essay, report, dissertation, portfolio, project. 3 <i>Practical exam:</i> Oral assessment and/or presentation, practical skills assessment, practical exam. <p>Please note that this is the total of various types of assessment and will not necessarily reflect the component and module weightings in the assessment section of this module description:</p> <p>Total assessment of the module:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Written exam assessment percentage</td> <td style="border: 1px solid black; text-align: center;">100%</td> </tr> <tr> <td>Coursework assessment percentage</td> <td style="border: 1px solid black; text-align: center;">0%</td> </tr> <tr> <td>Practical exam assessment percentage</td> <td style="border: 1px solid black; text-align: center;">0%</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> </table>	Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated hours	150	51	99	0	150	Written exam assessment percentage	100%	Coursework assessment percentage	0%	Practical exam assessment percentage	0%		100%
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Reading strategy	<p>Essential reading Any essential reading will be indicated clearly, along with the method for accessing it, e.g. students may be expected to purchase a set text, be given a study pack or be referred to texts that are available electronically, or in the Library. Module guides will also reflect the range of reading to be carried out.</p> <p>Further reading Further reading is advisable for this module, and students will be encouraged to explore at least one of the titles held in the library on this topic. A current list of such titles will be given in the module handbook and revised annually.</p> <p>Access and skills Formal opportunities for students to develop their library and information skills are provided within the induction period and student skills sessions. Additional support is available through online resources. This includes interactive tutorials on finding books and journals, evaluation information and referencing. Sign up workshops are also offered.</p>																		
Indicative reading list	<p>The following list is offered to provide validation panels/accrediting bodies with an indication of the type and level of information students may be expected to consult. As such, its currency may wane during the life span of the module specification. However,</p>																		

	<p>as indicated above, CURRENT advice on readings will be available via other more frequently updated mechanisms, including the module guide.</p> <p>Aspinall, V, ed. (Current Edition) <i>The Complete Text book of Veterinary Nursing</i>. Edinburgh: Butterworth Heinemann.</p> <p>Bowden, C. and Masters, J., eds. (Current Edition) <i>Textbook Of Veterinary Medical Nursing</i>. Edinburgh: Butterworth-Heinemann.</p> <p>Cooper, B., Mullineaux, E. and Turner, L., ed. (Current Edition) <i>BSAVA Textbook of Veterinary Nursing</i>. Gloucester: BSAVA.</p> <p>Coumbe, KM. (Current Edition) <i>Equine Veterinary Nursing Manual</i>. Oxford: Blackwell Science.</p> <p>Davidson, M.G., ed. (Current Edition) <i>Manual Of Small Animal Clinical Pathology</i>. Gloucester: BSAVA.</p> <p>Day, M.J., Mackin, A. and Littlewood, J.D., eds. (Current Edition) <i>Manual of Canine and Feline Haematology and Transfusion Medicine</i>. Gloucester: BSAVA.</p> <p>Douglas, S.W., Herrtage, M.E. and Williamson, H.D. (Current Edition) <i>Principles of Veterinary Radiography</i>. London: Balliere Tindall.</p> <p>Easton, S. (Current Edition) <i>Practical Radiography For Veterinary Nurses</i>. Edinburgh: Butterworth-Heinemann.</p> <p>Han, C.M. and Hurd, C.D. (Current Edition) <i>Practical Diagnostic Imaging For The Veterinary Technician</i>. St. Louis, USA: Mosby.</p> <p>Hotston Moore, A., ed. (Current Edition) <i>Manual Of Advanced Veterinary Nursing</i>. Gloucester: BSAVA.</p> <p>Kerr, M.G. (Current Edition) <i>Veterinary Laboratory Medicine</i>. Oxford: Blackwell Science.</p> <p>McCurnin, D.M. and Bassert, J.M. (Current Edition) <i>Clinical Textbook For Veterinary Technicians</i>. Philadelphia, USA: W.B. Saunders.</p> <p>Moore, M., ed. (Current Edition) <i>Manual Of Veterinary Nursing</i>. Gloucester: BSAVA.</p>
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Part 3: Assessment			
Assessment strategy	<p>The module will be assessed using a written examination to demonstrate the students' knowledge and understanding in carrying out diagnostic testing and imaging in accordance with health and safety practices.</p> <p>Formative assessment will be provided and students' progress will be monitored throughout the module delivery including assessment of interaction in group work and formal feedback on examinations.</p> <p>In line with the College's commitment to facilitating equal opportunities, a student may apply for alternative means of assessment if appropriate. Each application will be considered on an individual basis taking into account learning and assessment needs. For further information regarding this please refer to the VLE.</p>		
Identify final assessment component and element	Written examination.		
% weighting between components A and B (Standard modules only)	A:	B:	
	100%	0%	
First sit			
Component A (controlled conditions) Description of each element	Element weighting		
1 Written examination (2 hours)			100%
Resit (further attendance at taught classes is not required)			

Component A (controlled conditions) Description of each element	Element weighting
1 Written examination (2 hours)	100%
If a student is permitted a retake of the module under the University Regulations and Procedures, the assessment will be that indicated by the Module Description at the time that retake commences.	