UWE
University of the
West of England
BRISTOL

CORPORATE AND ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic data					
Module title	Diagnostics for Veterinary Nurses				
Module code	UINXQ6-15-2		Level	2	Version	1.1
Owning faculty	Hartpury		Field	Animal and Land Science	
Contributes towards	BSc (Hons) Veterinary Nursing Science (SW) FdSc Veterinary Nursing Science (SW) FdSc Equine Veterinary Nursing Science (SW)				
UWE credit rating	15	ECTS credit rating	7.5	Module type	Standard
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	
Valid from	01 September 2014		Valid to	01 September 2019	

CAP approval date	29 May 2014

Part 2: Learning and teaching	
Learning outcomes	On successful completion of this module students will be able to: 1 Evaluate how to prepare animals for diagnostic tests (A). 2 Discuss how to preserve samples from animals for analysis (A). 3 Simulate competently conducing diagnostic tests to include the preparation of diagnostic test equipment and materials (B). 4 Evaluate how to prepare animals for endoscopy and ultrasound diagnostic imaging (A). 5 Simulate competently conducing radiographs on patients to include the preparation of diagnostic imaging equipment and materials (B).
Syllabus outline	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, cassette sand 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.

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.

The module is also referenced to the following RCVS day one practical skills for veterinary nurses; VN 9 and VN10.

Contact hours	Indicative delivery modes:
	Lectures, guided learning, seminars etc 48 Self directed study 3 Independent learning 99 **TOTAL** **150**
Teaching and learning methods	***Scheduled learning*** May include lectures, seminars, tutorials, demonstration, practical classes and workshops; external visits. ***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. ***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.
Key information sets information	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.

Key information set – module data

Number of credits for this module				15

Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated hours
150	51	99	0	150

	The table below indicates as a percentage the total assessment of the module which constitutes a:
	1 *Written exam:* Unseen written exam, open book written exam, in-class test. 2 *Coursework:* Written assignment or essay, report, dissertation, portfolio, project. 3 *Practical exam:* Oral assessment and/or presentation, practical skills assessment, practical exam. 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: Total assessment of the module: Written exam assessment percentage 50% Coursework assessment percentage 0% Practical exam assessment percentage 50% 100%
Reading strategy	***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. ***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. ***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.
Indicative reading list	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, as indicated above, CURRENT advice on readings will be available via other more frequently updated mechanisms, including the module guide. - Aspinall, V, ed. (Current Edition) *The Complete Text book of Veterinary Nursing.* Edinburgh: Butterworth Heinemann. - Bowden, C. and Masters, J., eds. (Current Edition) *Textbook of veterinary medical nursing.* Edinburgh: Butterworth-Heinemann. - Cooper, B. Mullineaux, E. and Turner, L., ed. (Current Edition) *BSAVA Textbook of Veterinary Nursing*. Gloucester: BSAVA. - Coumbe, KM. (Current Edition) *Equine Veterinary Nursing manual*. Oxford: Blackwell Science. - Davidson, M.G., ed. (Current Edition) *Manual of small animal clinical pathology.* Gloucester: BSAVA. - Day, M.J., Mackin, A. and Littlewood, J.D., eds. (Current Edition) *Manual of canine and feline haematology and transfusion medicine*. Gloucester: BSAVA. - Douglas, S.W., Herrtage, M.E. and Williamson, H.D. (Current Edition) *Priciples of veterinary radiography*. London: Balliere Tindall. - Easton, S. (Current Edition) *Practical radiography for veterinary nurses.* Edinburgh: Butterworth-Heinemann. - Han, C.M. and Hurd, C.D. (Current Edition) *Practical diagnostic imaging for the veterinary technician.* St. Louis: Mosby.

	• Hotston Moore, A., ed. (Current Edition) *Manual of advanced veterinary nursing.* Gloucester: BSAVA. • Kerr, M.G. (Current Edition) *Veterinary laboratory medicine.* Oxford: Blackwell Science. • McCurnin, D.M. and Bassert, J.M. (Current Edition) *Clinical textbook for veterinary technicians.* Philadelphia: W.B. Saunders. • Moore, M., ed. (Current Edition) *Manual of veterinary nursing.* Gloucester: BSAVA.

Part 3: Assessment			
Assessment strategy	The module will be assessed using a written exam to demonstrate the students' knowledge and understanding and a practical exam assessing the student's practical competency in carrying out diagnostic testing and imaging in accordance with health and safety practices. Students' progress will be monitored throughout the module delivery including assessment of interaction in group work and presentations and formal feedback on examinations. 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.		
Identify final assessment component and element	Written examination.		
% weighting between components A and B (Standard modules only)		**A:**	**B:**
		50%	50%
First sit			
Component A (controlled conditions) **Description of each element**		**Element weighting**	
1 Written examination (1.5 hours duration)		100%	
Component B **Description of each element**		**Element weighting**	
1 Practical examination (20 minute duration)		100%	
Resit (further attendance at taught classes is not required)			
Component A (controlled conditions) **Description of each element**		**Element weighting**	
1 Written examination (1.5 hours duration)		100%	
Component B **Description of each element**		**Element weighting**	
1 Practical examination (20 minute duration)		100%	
If a student is permitted an **EXCEPTIONAL RETAKE** of the module the assessment will be that indicated by the module description at the time that retake commences.			