



**CORPORATE AND ACADEMIC SERVICES**

**MODULE SPECIFICATION**

Part 1: Basic Data					
Module Title	Comparative and Applied Anatomy, Physiology and Biomechanics				
Module Code	UIEXKV-15-M	Level	M	Version	1
Owning Faculty	Hartpury	Field	Equine Science		
Contributes towards	MSc Veterinary Physiotherapy				
UWE Credit Rating	15	ECTS Credit Rating	7.5	Module Type	Standard
Pre-requisites	None		Co-requisites	None	
Excluded Combinations	None		Module Entry requirements	None	
Valid From	01 September 2013		Valid to	01 September 2019	

<b>CAP Approval Date</b>	30 May 2013 (HLS), 11 June 2013 (HAR)
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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"> <li>1 Demonstrate an understanding of neuromuscular/skeletal anatomical structures and critically evaluate their relationship to function for a range of species (A).</li> <li>2 Analyse and critically discuss key conformational concepts (A).</li> <li>3 Appraise the key physiological responses to exercise and training in athletic species (A).</li> <li>4 Critically appraise, discuss and apply biomechanical concepts to equine and canine models (A).</li> <li>5 Identify surface anatomy and bony landmarks in a variety of species.</li> <li>6 Critically appraise the equine foot and discuss the role of the farrier in relation to the equine foot (A).</li> <li>7 Demonstrate an ability to transfer knowledge of anatomical terminology across species (A).</li> <li>8 Demonstrate the skills for self managed and life-long learning in the application of anatomy, physiology, and biomechanics.</li> </ol>
Syllabus Outline	<ol style="list-style-type: none"> <li>1 Overview of anatomical terminology for a range of domestic animals.</li> <li>2 Comparative anatomy for a range of species.</li> <li>3 Musculoskeletal anatomy of the equine and canine forelimb, hindlimb, spine/pelvis.</li> <li>4 Anatomy and function of the equine foot.</li> <li>5 Overview of biomechanical terminology for a range of domestic animals.</li> <li>6 Static evaluation and palpation.</li> <li>7 Equine and canine exercise physiology including responses to exercise and training.</li> </ol>

Contact Hours/ Scheduled Hours	Indicative delivery modes:  Contact hours; approximately 40 hours of scheduled learning.
Teaching and Learning Methods	<p><b>Scheduled Learning</b> (Approximately 40 hours) includes lectures, seminars, demonstration, practical classes.</p> <p><b>Independent Learning</b> Includes hours engaged with essential reading (including background reading to ensure baseline knowledge is obtained prior to taught sessions), and examination preparation. It is anticipated students will spend approximately 60 hours on independent study and 50 hours on assignment preparation.</p> <p><b>Virtual Learning Environment (VLE) (or equivalent)</b> 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>
Reading Strategy	<p>Students will be directed to reading which is either available electronically or provided for them in a printed study pack. Directed pre-reading will be expected prior to the taught sessions for this module.</p> <p>They will be encouraged to read widely using the library catalogue, a variety of bibliographic and full text databases, and internet resources. Many resources can be accessed remotely.</p> <p>The development of literature searching skills is supported by the Library seminar within the induction period.</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, as indicated above, CURRENT advice on readings will be available via other more frequently updated mechanisms, including the module guide.</p> <ul style="list-style-type: none"> <li>• Goody, P., (Current Edition) <i>Dog anatomy</i>. J.A. Allen: London</li> <li>• Goody, P., (Current Edition) <i>Horse anatomy</i>. J.A. Allen: London</li> </ul>

<b>Part 3: Assessment</b>	
Assessment Strategy	<p>There is one component of assessment: A 2.5 hour written examination. This controlled condition assessment will test the knowledge, understanding, and application of the concepts relevant to this module. It provides the fundamental knowledge that students need to undertake clinical practice. Where necessary, and appropriate, an alternative medium of assessment may be negotiated.</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)	<b>A:</b>	<b>B:</b>
	100%	0%
<b>First Sit</b>		
<b>Component A</b> (controlled conditions) <b>Description of each element</b>	<b>Element weighting</b>	
1 Written Examination (2.5 hour)	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>	
1 Written examination (2.5 hour)	100%	
If a student is permitted an <b>EXCEPTIONAL RETAKE</b> of the module the assessment will be that indicated by the Module Description at the time that retake commences.		