

Module Specification

Part 1: Basic Data					
Module Title	Equine Performance and Rehabilitation				
Module Code	HEQVCU-45-5	Level	5	Version	1.0
Credit Rating	45	ECTS Credit Rating	22.5	Includes WBL?	No
Teaching Institution	Hartpury	Department	Equine	Module Type	Professional Practice
Contributes towards	BSc (Hons) Equine Performance and Rehabilitation				
PSRB involved	None		Module Entry requirements	None	
Pre-requisites	None		Excluded Combinations	None	
Most recent Validation Date	30 April 2020		Due for re-validation by:	01 September 2026	
Amendment Approval Date			Approved with effect from	01 September 2021	

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. Apply anatomical and physiological knowledge to exercise, training and rehabilitation practices in horses. (A) 2. Evaluate physiological and biomechanical responses to exercise and training in the horse. (B) 3. Analyse factors which affect the kinetics and kinematics of the equine gait. (A, B) 4. Select and apply appropriate ground schooling methods within a training plan to enhance performance. (A) 5. Evaluate the efficacy of rehabilitation regimens, analysing how environmental and individual horse differences will influence the process. (A, B)
Syllabus Outline	<ul style="list-style-type: none"> • Training practices for a variety of disciplines. Selecting appropriate regimes to support optimal musculoskeletal adaptations, prepare for competition and prevent injury • Physiological, biomechanical and behavioural responses to exercise and training • The influence of conformation on musculoskeletal health and injury predisposition • Practical ground schooling techniques to improve a horse's way of going • Introduction to ground schooling rehabilitation regimes for a variety of common injuries: evaluating the efficacy of a variety of methods including long reining and pole work

	<ul style="list-style-type: none">• Practical considerations when designing ground schooling training and rehabilitation regimes• Analysis of equine gait kinetics and kinematics• Long-term effects of training and lameness on equine biomechanics• Developments in assessment and analysis techniques: fitness, fatigue, gait analysis. <p>The practical competencies 5, 6, 7 and 8 will be assessed within the scope of the module. These can be found within the programme specification document.</p>																																													
Teaching and Learning Methods	<p>A variety of teaching strategies will be used including lectures, seminars and practical skills sessions utilising the Hartpury Equine Yard and Equine Therapy Centre facilities. Students will be further developing their ground schooling skills in the practical sessions, building on from the skills they developed within the first year. Case study evaluation will be a key component of the delivery strategy for this module, and will be used to enable students to contextualise the principles covered in lectures into real world practice.</p> <p>In addition, students will be expected to engage in independent learning and complete a range of guided learning activities throughout the course of the module. This independent and guided learning will involve activities designed to support students with the preparation of assessments and developing their subject knowledge via further reading. Teaching and learning will be supported via the VLE.</p>																																													
Unistats Information	<p>The Office for Students (OfS) require Unistats information to be produced at programme level for all undergraduate programmes of more than one year in length. These 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> <table><tr><td colspan="5">Expected learning hours for the module:</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td colspan="4">Number of credits for this module</td><td>45</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Hours to be allocated</td><td>Scheduled learning and teaching study hours</td><td>Independent study hours</td><td>Placement study hours</td><td>Allocated Hours</td></tr><tr><td>450</td><td>108</td><td>342</td><td>0</td><td>450</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table> <p>The table below indicates as a percentage the total assessment of the module which constitutes a -</p> <p>Written Exam: Unseen written exam, open book written exam, In-class test Coursework: Written assignment or essay, report, dissertation, portfolio, project Practical Exam: Oral Assessment and/or presentation, practical skills assessment, practical exam</p> <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> <table><tr><td>Total assessment of the module</td><td>Percentage</td></tr><tr><td>Written examination</td><td>0%</td></tr><tr><td>Coursework</td><td>100%</td></tr><tr><td>Practical examination</td><td>Pass/Fail</td></tr><tr><td>Total</td><td>100%</td></tr></table>	Expected learning hours for the module:										Number of credits for this module				45						Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours	450	108	342	0	450						Total assessment of the module	Percentage	Written examination	0%	Coursework	100%	Practical examination	Pass/Fail	Total	100%
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Reading Strategy	<p>Essential reading Essential material will be indicated to the student via pre-course material, module guides and through their accessing a dedicated VLE programme presence. No requirement for the purchase of set text(s) will be made unless explicitly stated and students will have full access to library services, online applications, and inter-library loans.</p> <p>Further reading Students are expected to identify all other reading relevant to their chosen topic for themselves. They will be required to read widely using the library catalogue, a variety of bibliographic and full text databases, and Internet resources. Many resources can be accessed remotely. The purpose of this further reading is to ensure students are familiar with current research, classic works and material specific to their interests from the academic literature and wider professional sources.</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 the validators /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.</p> <p>Alexander, R. (current edition) <i>Principles of animal locomotion</i>. Oxford: Princetown University Press.</p> <p>Back, W. and Clayton, H. (current edition) <i>Equine locomotion</i>. London: W.B. Saunders.</p> <p>Biewener, A. (current edition) <i>Animal locomotion</i>. New York: Oxford University Press.</p> <p>Coldrey, C. and Coldrey, V. (current edition) <i>Training your horse with lunge and long reins</i>. Marlborough: The Crowood Press Ltd</p> <p>Henderson, C. (current edition) <i>Training aids</i>. Henley-in-Arden: Compass Equestrian.</p> <p>Higgins, A.J. and Snyder, J.R. (eds.) (current edition) <i>The equine manual</i>. Edinburgh: Elsevier Saunders.</p> <p>Hinchcliff, K.W., Kaneps, A.J. and Geor, R.J. (eds.) (current edition) <i>Equine exercise physiology: the science of exercise in the athletic horse</i>. Edinburgh: Elsevier Saunders.</p> <p>Hodgson, D.R. and Rose, R.J. (eds.) (current edition) <i>The athletic horse: principles and practices of equine sports medicine</i>. Philadelphia: W. B. Saunders.</p> <p>Nigg, B.M. and Herzog, W. (current edition) <i>Biomechanics of the musculoskeletal system</i>. Chichester: J. Wiley & Sons.</p> <p>Williams, J.M. and Evans, D. (current edition) <i>Training for equestrian performance</i>. Wageningen, Netherlands: Wageningen Press.</p> <p><u>Journals</u></p> <p>Comparative Exercise Physiology</p> <p>Equine Veterinary Education</p> <p>Equine Veterinary Journal</p> <p>Journal of Veterinary Behavior</p> <p>The Veterinary Journal</p> <p>Veterinary Clinics of North America: Equine Practice</p>

Part 3: Assessment	
Assessment Strategy	<p>This module will be assessed according to the approved Hartpury Academic Regulations including any specific regulations detailed within the student's programme specification.</p> <p>The assessment strategy for the module includes a written assignment and a practical skills assessment. Component A will consist of a practical skills assessment, within which students will receive a scenario and then be required to ground school a horse, applying underpinning knowledge to the selection and use of appropriate ground schooling techniques to facilitate training. Students will be required to justify their choice of technique and verbally communicate their analysis within the provided scenario. Passing the practical skills assessment relating to the four programme practical competencies below is required in order to pass the module, to ensure that students demonstrate appropriate industry level skills:</p> <ol style="list-style-type: none"> 5. Have a knowledge of lameness and be able to say if worsening or improving 6. Be able to work the horse in its basic paces in hand and on the long-reins 7. Be able to assess the horse and discuss its way of going, suggesting and demonstrating exercises to improve 8. Be able to select and fit equipment for specific rehabilitation requirements <p>As a professional practice module, re-sits are granted according to the discretion of the Programme Exam Board.</p> <p>Within Component B, students will be required to evaluate the efficacy of a rehabilitation regime, applying their knowledge of physiological and biomechanical responses to exercise and training. Students are able to demonstrate their ability to apply their knowledge by evaluating the desired responses within rehabilitation regimens, and the suitability of different techniques used to promote a successful return to performance.</p> <p>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	A1	
% weighting between components A and B (Standard modules only)	A:	B:
	Pass/Fail	100%
First Sit		
Component A (controlled conditions) Description of each element	Element weighting (as % of component)	
1. Practical Skills Portfolio (equivalent to 4,000 words)	Pass/Fail	
Component B Description of each element	Element weighting (as % of component)	
1. Written Assignment (2,000 words)	100%	


Resit (further attendance at taught classes is not required)		
Component A (controlled conditions) Description of each element	Element weighting (as % of component)	
1. Practical Skills Portfolio (equivalent to 4,000 words)	Pass/Fail	
Component B	Element weighting (as % of component)	

Description of each element	
1. Written Assignment (2,000 words)	100%
If a student is permitted a retake of the module under the Academic Regulations, the assessment will be that indicated by the Module Specification at the time that retake commences.	

Module Amendment Log

Module Title:	Equine Performance and Rehabilitation
Module Code:	HEQVCU-45-5
Initial Approval Date:	30 April 2020
Initial module description for Course Information Sheets: Physiological and biomechanical responses to exercise and training alongside the efficacy of equine rehabilitation regimens	

Changes:

Outline Change Details: New module	
Rationale: New module as part of the new BSc (Hons) Equine Performance and Rehabilitation programme	
Name of Head of Department: I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department;	
Signature: 	Date: 27 November 2019
Approval Committee and Date:	CVC 30 April 2020
Change approved with effect from:	1 September 2021
Resulting new version number:	1.0