



Module Specification

Part 1: Basic Data					
Module Title	Racehorse Therapy and Rehabilitation				
Module Code	UIEV7R-30-3	Level	3	Version	1
Credit Rating	30	ECTS Credit Rating	15	WBL module?	Yes
Owning Faculty	Hartpury	Field	Equine		
Department	Equine	Module Type	Standard		
Contributes towards	BSc (Hons) Racehorse Performance and Rehabilitation BSc (Hons) Racehorse Performance and Rehabilitation (SW)				
Pre-requisites	None		Co- requisites	None	
Excluded Combinations	None		Module Entry requirements	None	
Last Major Approval Date	23 February 2017		Valid from	01 September 2017	
Amendment Approval Date			Revised with effect from		

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 a knowledge and understanding of functional anatomy to critically evaluate performance and therapeutic rehabilitation regimens in the horse: post-injury and post-surgery. (A) 2. Critically appraise the short and long-term effectiveness of rehabilitation regimens for a range of conditions in racehorses. (A) 3. Demonstrate competent practical assistant skills during equine treadmill exercise and hydrotherapy. (A) 4. Produce robust and critical case study evaluations for a range of rehabilitation regimens in equine patients. (A) 5. Produce robust and critical case study evaluations of performance enhancing regimens using a high speed treadmill and hydrotherapy for the racehorse. (A)
Syllabus Outline	<ul style="list-style-type: none"> • Practical assistant skills including but not limited to: record keeping, client management, horse preparation and monitoring, client compliance and use of equipment within equine therapy regimens • Equine functional anatomy and biomechanics for rehabilitation • Equine treadmill and hydrotherapy use for rehabilitation • The efficacy and evidence base for various therapeutic modalities applied within the horse • Common musculoskeletal injuries of the racehorse • Common neurological conditions of the racehorse • Therapeutic aims of rehabilitation regimens: post-injury and post-surgery • Training goals of performance enhancing regimens: gait enhancement, musculoskeletal conditioning and hypertrophy, cardiovascular fitness

	<ul style="list-style-type: none"> • Efficacy of rehabilitation and performance regimens • Evaluation of success within rehabilitation regimens • Application of advancing techniques and innovation within racehorse rehabilitation and therapy 																									
<p>Teaching and Learning Methods (and contact hours)</p>	<p>A variety of learning strategies will be used including lectures, seminars and practical demonstrations utilising the Hartpury equine yard and equine therapy centre facilities. Visits to training and rehabilitation establishments will also occur so students can observe theory in practice and provide valuable opportunities to learn from industry professionals. Case study evaluation will be a key component of the delivery strategy for this module and will be used in the classroom and via the VLE to enable students to contextualise the principles covered into real world practice.</p> <p>Placement learning: this module includes a period of placement (minimum of 40 hours) in an approved equine training or rehabilitation environment, which provides students with an opportunity to apply theory to practice, supporting their long term employability. The placement exposes students to real world cases, which will facilitate opportunities to create case studies. Students are encouraged to engage in critical discussion with industry professionals during placement to maximise learning from these opportunities. Students are also encouraged to volunteer in the Hartpury equine therapy centre outside of their placement hours to further develop their rehabilitation knowledge.</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>																									
<p>Key Information Sets Information</p>	<p>HEFCE require Key Information Sets (KIS) to be produced at programme level for all undergraduate programmes of more than one year in length. 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> <table border="1" data-bbox="483 1272 1382 1621"> <thead> <tr> <th colspan="5">Key Information Set - Module data</th> </tr> <tr> <td colspan="5"><i>Number of credits for this module</i></td> </tr> </thead> <tbody> <tr> <td colspan="4"></td> <td style="border: 2px solid black; text-align: center;">30</td> </tr> <tr> <th>Hours to be allocated</th> <th>Scheduled learning and teaching study hours</th> <th>Independent study hours</th> <th>Placement study hours</th> <th>Allocated Hours</th> </tr> <tr> <td style="text-align: center;">300</td> <td style="text-align: center;">50</td> <td style="text-align: center;">210</td> <td style="text-align: center;">40</td> <td style="text-align: center;">300</td> </tr> </tbody> </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>	Key Information Set - Module data					<i>Number of credits for this module</i>									30	Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours	300	50	210	40	300
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Reading Strategy	<p>Essential reading Core material will be indicated to the student via module guides and dedicated VLE module presence. No requirement for the purchase of set text(s) will be made and students will have full access to library services, online applications and inter-library loans.</p> <p>Further reading Students will be encouraged to source reading from a variety of sources including those indicated by the module leader to aid the development of literature searching and facilitate the start of a critical appreciation of the quality of different sources of information. Students should utilise the library catalogue service, a variety of databases, internet sources and lay press publications. Additional resources and interactive activities will be available via the VLE and other online platforms enabling them to be accessed remotely.</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 and tutorials are also offered.</p>																				
Indicative Reading List	<p>The following list is offered to provide 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>Books</p> <p>Back, W. and Clayton, H. (Current Edition) <i>Equine locomotion</i>. London: W.B. Saunders.</p> <p>Baxter, G. (EDs) (Current Edition) <i>Adam's and Staschak's Lameness in the Horse</i>. London: Wiley-Blackwell.</p> <p>Biewener, A. (Current Edition) <i>Animal Locomotion</i>. New York: Oxford University Press.</p> <p>Bromiley, M. (Current Edition) <i>Equine Injury, Therapy and Rehabilitation</i>. San Francisco: Wiley-Blackwell.</p> <p>Clayton, H.M. (Current Edition) <i>The Dynamic Horse</i>. Canada: Sports Horse Publications.</p> <p>Clayton, H.M. (Current Edition) <i>Conditioning sport horses</i>. Saskatoon, Canada: Sport Horse Publications.</p> <p>Fitzgeorge-Parker, T. (Current Edition) <i>Training the Racehorse</i>. London, UK: J. A. Allen.</p> <p>Higgins, A.J. and Snyder, J.R. ed. (Current Edition) <i>The equine manual</i>. Edinburgh: Elsevier Saunders.</p> <p>Hinchcliff, K.W., Kaneps, A.J. and Geor, R.J. (Current Edition) <i>Equine exercise physiology: the science of exercise in the athletic horse</i>. Edinburgh. Elsevier Saunders.</p>																				

Hodgson, D.R. and Rose, R.J., ed. (Current Edition) *The athletic horse: Principles and practices of equine sports medicine*. Philadelphia: W. B. Saunders.

Kells-Brotemarkle, R. (Current Edition) *A Guide for Equine Soft tissue Rehabilitation – The Plan Book*. Bloomington: Author house.

Marlin, D. and Nankervis, K. (Current Edition) *Equine exercise physiology*. Oxford: Blackwell Science.

McGowan, C., Goff, L. and Stubbs, N. (Current Edition) *Animal Physiotherapy. Assessment, Treatment & Rehabilitation of Animals*. Oxford: Blackwell Publishing.

Murch, P.M. (Current Edition) *Training Thoroughbred Horses*. Vermont, USA: Echo Point Books & Media.

Nigg, B.M. and Herzog, W. (Current Edition) *Biomechanics of the musculoskeletal system*. Chichester: J. Wiley & Sons.

Ross, M.W. and Dyson, S.J. (Current Edition) *Diagnosis and Management of Lameness in the Horse*. London: W.B. Saunders.

Williams, J.M. and Evans, D. (Current Edition) *Training for Equestrian Performance*. Wageningen: Wageningen Press.

Websites

British Horseracing Authority: <http://www.britishhorseracing.com/>

Journals

Comparative Exercise Physiology

Equine Veterinary Journal

Equine Veterinary Education

Journal of Veterinary Behaviour

Veterinary Clinics of North America: Equine Practice

The Veterinary Journal

Part 3: Assessment

Assessment Strategy	<p>This module aims to support students in developing the skills to be able to critically evaluate the use of different therapy modalities and practices, with a key emphasis on equine treadmill use and hydrotherapy, as part of therapeutic rehabilitation and performance enhancing regimens in racehorses. Industry visits to observe training and rehabilitation practices will provide students with valuable opportunities to question industry professionals and learn from industry practice. Interactive VLE tasks will also be used to develop knowledge and understanding of the subject and to practice applying key knowledge and critical skills to different case studies. To support student achievement, formative opportunities to engage in reflection in action and to evaluate individual cases, with tutor or rehabilitation centre staff feedback, will be provided during seminars, practical demonstrations, industry engagement and during students' work placement. Further guidance on how to compile effective case studies will be provided in lectures. Interactive VLE tasks will also be used to develop individuals' reflective and critical evaluation skills: through verbal, written and digital communication and to develop their ability to structure case studies and build their portfolio.</p> <p>Students will be required to build a portfolio, containing embedded case studies and evidence of completion of the work placement. Case studies will be formulated from cases engaged with during their 40 hour work placement. Guidance on how to select appropriate case studies will be provided in taught sessions and on the module's VLE page. Students are also encouraged to gain informal formative feedback from their work colleagues and clients during their time in equine rehabilitation centres / yards and to use this feedback within their summative reflection and case studies.</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>
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Identify final assessment component and element	Portfolio	
% weighting between components A and B (Standard modules only)	A:	B:
	100%	
First Sit		
Component A (controlled conditions) Description of each element	Element weighting	
1. Portfolio	100%	

Resit (further attendance at taught classes is not required)		
Component A (controlled conditions) Description of each element	Element weighting	
1. Portfolio	100%	

If a student is permitted a retake of the module under the Academic Regulations and Procedures, the assessment will be that indicated by the Module Specification at the time that retake commences.