Programme Specification

Part 1: Basic Data			
Primary Programme Title	Master of Science in Applied Equine Science		
Target Award Titles	**Mode and Typical Duration of Study**	**Professional Accrediting Body Links**	**Study Abroad / Exchange / Credit Recognition**
Master of Science in Applied Equine Science	Full time, 1 year Part time, 2 years Part time, 3 years	**None**	**None**
Interim Award Titles	Postgraduate Diploma in Applied Equine Science Postgraduate Certificate in Equine Performance and Rehabilitation Postgraduate Certificate in Equine Behaviour and Welfare Postgraduate Certificate in Equine Science		
Teaching Delivery Method	On-site		
Awarding Institution	Hartpury University		
Teaching Institution	Hartpury University		
Delivery Location	Hartpury		
Department Responsible for Programme	Equine		
Unit-E Code	MSTEESXX		
Entry Criteria Information	Applicants will have achieved entry criteria appropriate for the stage of entry, which can be found through the Hartpury website (www.hartpury.ac.uk).		
Most Recent Validation Date	21 March 2022	**Due for Re-validation By**	01 September 2027
Amendment Approval Date		**Approved With Effect From**	V3.0 01 September 2022
Professional Accrediting Body Approval Date		**Date for Re-accreditation**	
Version	3.0		

Part 2: Programme Overview

MSc Applied Equine Science graduates can apply scientific principles to maximise performance, enhance career longevity or aid in selection of the performance horse, with the underpinning goal of optimising equine welfare. Their studies in the field of equine science have been informed by staff research, consultancy and scholarship in addition to exposure to a wide range of specialist, onsite facilities and resources. The programme will have enabled graduates to develop their capacity for critical, and analytical thought. Graduates are familiar with the physical resources and techniques necessary to critically evaluate the impact of both endogenous (internal) and exogenous (external) factors on equine athletic performance and welfare. The depth of knowledge and transferable skills gained by graduates from this programme, have prepared them for employment and/or further research within and outside of the equine industry.

Part 3: Programme Structure

This structure diagram demonstrates the student journey from enrolment through to graduation for a typical **full-time student on the primary programme**, including:

1. level and credit requirements
2. award requirements that are in addition to those described in the Hartpury University Academic Regulations
3. module diet, including core and optional modules.

Please note:
*PAB – these modules are subject to additional and variant regulations as part of an accreditation by a professional accrediting body
+ Non-condonable – these core modules are not able to be condoned

Core Modules	Optional Modules	Target and Interim Awards
HANXKT-15-7 The Research Process HEQV6Y-15-7 Investigating Equestrian Research HEQVN6-15-7 Equine Management for Optimal Performance and Welfare+ HEQVJN-15-7 Developing a Sustainable Equine Industry HANVL5-60-7 Postgraduate Dissertation+	HANVL4-15-7 Postgraduate Independent Study HEQXKR-15-7 Rider Performance HEQVJH-15-7 Applied Equine Exercise Physiology HEQXKS-15-7 Therapy and Rehabilitation of the Equine Athlete HEQVJT-15-7 Equine Behaviour HEQVPV-15-7 Advances in Equestrian Biomechanics	Postgraduate Certificate in Equine Science Postgraduate Certificate in Equine Behaviour and Welfare This must include HEQVJT-15-7 Equine Behaviour and HEQVN6-15-7 Equine Management for Optimal Performance and Welfare Postgraduate Certificate in Equine Performance and Rehabilitation This must include HEQVJH-15-7Applied Equine Exercise Physiology; HEQXKS-15-7 Therapy and Rehabilitation of the Equine Athlete; HEQVPV-15-7 Advances in Equestrian Biomechanics; Postgraduate Diploma in Applied Equine Science This must include HEQV6Y-15-7 Investigating Equestrian Research; HEQVN6-15-7 Equine Management for Optimal Performance and Welfare; HEQVJN-15-7 Developing a Sustainable Equine Industry MSc in Applied Equine Science This must include all core modules.

Part time:
The part time student journey from entry through to graduation is individually negotiated with the student.

Part 4: Programme Learning Outcomes

Modules in bold are core modules and modules not emboldened are optional modules.
A denotes a module that assesses a learning outcome and B denotes a module aligned with a learning outcome.

Learning Outcomes:	Postgraduate Dissertation	**The Research Process**	**Investigating Equestrian Research**	**Equine Management for Optimal Performance and Welfare**	**Developing a Sustainable Equine Industry**	Postgraduate Independent Study	Rider Performance	Applied Equine Exercise Physiology	Therapy and Rehabilitation of the Equine Athlete	Equine Behaviour	Advances in Equestrian Biomechanics
A) Knowledge and Understanding of:											
1. problems and/or new insights in the field of equine science.		B	A	B	A	A					
2. techniques applicable to research in the area of equine science leading to potential publication or advanced scholarship.	A	B	A			A		B		A	B
3. how established techniques of research and enquiry are used to create and interpret knowledge in science disciplines.		A	B		B	A	B		A	B	B
4. the ethical and sustainable impact of in practice protocols within the equine industry				A	A				A		
5. the diversity of the stakeholders involved in the equine industry	B		A	A	A		A		B		B
B) Intellectual Skills											
1. Critical evaluation of current research in the area of equine science.	A	A	A		B	A	A	B	A		A
2. Evaluation and critique of methodologies and, proposal of new hypotheses where appropriate	A	A			B	B				A	B

#	Learning Outcome	1	2	3	4	5	6	7	8	9	10	11	12
3.	Planning, conducting and reporting a programme of original research	A	B	B								A	B
4.	Analysis and resolution of complex problems relating to equine science	A		A	A	A	B	B	A	A		B	B
5.	Synthesis of information from a number of sources to gain a coherent understanding of theory and practice	A	A		B	A	A	B	B	A			
6.	Critical evaluation of evidence underpinning equine science to suggest appropriate changes in practice	A	B	A	A	A	A				B	B	A
	C) Performance and Practice												
1.	Design equine exercise test protocols suitable for clinical, research and training feedback purposes							A	A	A			B
2.	Make judgements on the ethics of the manipulation of the equine phenotype to enhance performance				A	B						B	
3.	Develop methods for assessing the efficacy of equine exercise programmes							A	A	A			A
4.	Produce evidence informed strategies for sustainable and ethical practice in the equine industry				A	A						B	
5.	Critique established protocols and propose justified alternatives in equestrian management to enhance future practice	B	B	A	A	A	B					A	
	D) Setting, Personal and Enabling Skills												
1.	Communicate effectively with a wide range of individuals using a variety of means.	A		A	A	A		A				B	A
2.	Evaluate their own academic, vocational and professional performance.	A											
3.	Utilise problem-solving skills in a variety of theoretical and practical situations.	A		A	A	A	B	B			B	B	A
4.	Take responsibility for independent personal and professional learning and development.	A	B	B	A	B	A			B		B	A

5. Manage time, prioritise workloads and consider personal emotions and wellbeing.	A	B	B	A	B	A		B	B	B	
6. Utilise information management skills, e.g. IT skills.	A	B	A			A		B		B	A
7. Undertake an independent research project.	A					A				A	A

Part 5: Learning, Teaching and Assessment

The programme will expand on students' understanding of the theoretical aspects of equine science, but with an emphasis on the application of these areas in the practical setting, for example, within the core module Equine Management for Optimal Performance and Welfare. Students will have the opportunity to apply this understanding throughout a range of modules embedded within the programme, including, but not limited to, Equine Behaviour, and Advances in Equestrian Biomechanics. In addition, they will learn the principles of managing change and understanding the broader equine industry. Throughout modules incorporated within the programmes. Students will be facilitated in applying this knowledge to the context of managing the balance of performance, health and welfare; including the contemporary concept of a social licence to operate.

The MSc will use a range of teaching approaches, which will aim to support the student to develop a comprehensive knowledge and understanding of the scientific principles and practices used within the equine industry. This will include a variety of didactic and discursive sessions, with academic and professional experts in their fields. Learning opportunities will be varied, with students able to apply theory to practice within learning environments on the Hartpury campus and using Hartpury's equestrian resources. Students will be required to assimilate complex theories and concepts to solve real world problems and advance current scientific thinking. Engagement with staff research currently undertaken within the institution will further these skills, with a focus on publication in peer reviewed literature and conference attendance.

Assessment throughout the programme is focused on the students' ability to apply theoretical frameworks and scientific evidence to practical issues, scenarios and contexts directly relevant to the applied field of Equine Science; particularly in relation to enhancing performance and welfare of the horse, and sustainability of the equine industry. As such, variety of assessment strategies are employed across the programme to test their in-depth understanding of these frameworks and their ability to use this information to problem solve and then communicate these solutions to a variety of academic and stakeholder audiences. Chosen assessment strategies are appropriate to the applied nature of the individual subjects, their respective stakeholders and their industry application. Specific approaches include, but are not limited to, video production, webinar delivery, written tests, oral presentations, research reports and more traditional assignments.

This programme will be assessed according to the approved Academic Regulations.

Students registered on this programme will have access to the Hartpury University support services.

The distinctive module used by the Programme Examination Board to inform recommending differential awards for students when considering borderline performance profiles will be
Postgraduate Dissertation.

Professional Accrediting Body documents to which this programme is mapped and or aligned: None.

Assessment Map

		Type of Assessment*							
		Coursework	Report	Portfolio	Written Examination	Written Test	Practical Skills Examination	Practical Skills Assessment	Oral Assessment
Core Modules Stage	Postgraduate Dissertation		A1 (75) Project Report						A2 (15) Poster Defence A3 (10) Oral Presentation
	The Research Process	B (70) Coursework							A (30) Oral Presentation with Questions
	Investigating Equestrian Research	A (100) Coursework							
	Equine Management for Optimal Performance and Welfare								A (100) Poster Defence
	Developing a Sustainable Equine Industry		A (100) Case Study Report						
Optional Modules Stage	Postgraduate Independent Study		A (100) Literature Review						
	Rider Performance								A (100) Oral Presentation with Questions
	Applied Equine Exercise Physiology					A (100) Test			
	Therapy and Rehabilitation of the Equine Athlete				A (100) Case Study Written Examination				

	Equine Behaviour		A (100) Project Report						
	Advances in Equestrian Biomechanics		A (100) Project Report						

*Indicative assessment types for new students enrolling on this programme after the date this specification takes effect (Part 1) are shown in terms of either Coursework, Written Examination, or Practical Examination as indicated by the colour coding above.

This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if they take full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of individual modules can be found through Hartpury's website (www.hartpury.ac.uk).

Approved Programme Amendment Log

Primary Programme Title:	MSc Applied Equine Science (was MSc Equine Science until V3_0)
Programme Code:	MSTEESXX
Initial Approval Date:	01 September 2017

Changes: *Most recent at the top of the page*

Current version number: 2.5
Outline Change Details: Part 1:   • Name change from 'Equine Science' to 'Applied Equine Science' to better reflect the content and scope of the programme and to support differentiation from the MRes programme.   • Interim awards changed in line with the above. Interim award of the PG Cert Equine Performance and Rehabilitation updated, changed from Equestrian Performance and Rehabilitation   Part 2   • Programme overview updated   Part 3   • Optional modules updated in line with the new PG equine module offering   • Non-condonable module updated   Part 4   • Programme learning outcomes updated and assessment links indicated.   Part 5   • Learning, Teaching and Assessment strategy updated   • Assessment map updated
Material Alteration: Yes and is accompanied by the relevant course information document.
Rationale: To enable the content of the programme to better reflect the title of equine science and to provide a wider offering of modules in support of this. In addition, the changes update the programme in line with the institutional Refresh initiative
Change requested by: Kirsty Lesniak   I can confirm that student representatives have been consulted about this change   I can confirm that colleagues impacted by this change have been consulted   I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report   **Signature**: *K Leśniak*   **Date**: 15/11/2021
Name of Head of Department: Catherine Porter   I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department;   **Signature**: *CA Porter*   **Date**: 16/11/2021

Approval Committee and Date:	Curriculum Validation Committee action 2022 03 21
Change approved with effect from:	01 September 2022
Resulting new version number:	3.0

Current version number: 2.4
Outline Change Details: Part 6 – Assessment Map – weighting changed for Postgraduate Dissertation:

Oral Assessment/Presentation from A20 to A25, Dissertation from A80 to A75.

Material Alteration: No

Rationale: Change made to weighting of Postgraduate Dissertation module assessment to reflect module change.

Change requested by: Gareth Knox
X   I can confirm that student representatives have been consulted about this change
X   I can confirm that colleagues impacted by this change have been consulted
X   I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report   G J Knox   **Date**: 15/01/2021

Name of Head of Department: Catherine Porter
I confirm that this change does not require additional resources beyond the scope of those already present or planned for by the department   **Signature**: *CAPorter*   **Date**: 28/01/2021

Approval Committee and Date:	CVC 2021 02 22
Change approved with effect from:	01 September 2021
Resulting new version number:	2.5

Current version number: 2.3

Outline Change Details:
Part 6: assessment for Investigating Equestrian Research changed from oral examination to written assignment.

Material Alteration: Yes

Rationale: to ensure accuracy

Change requested by: CVC
n/a   I can confirm that student representatives have been consulted about this change
n/a   I can confirm that colleagues impacted by this change have been consulted
n/a   I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report   **Date**: 30/07/2020

Approval Committee and Date:	CVC Chair's action 2020 09 10
Change approved with effect from:	1 September 2020
Resulting new version number:	2.4

Current version number: 2.2

Outline Change Details:
Part 1 – amend to ensure Accelerated Full Time is a mode of attendance   Part 3 – amend to refer clearly to each award   Part 5 – remove reference to 'at least two study weekends' as this is overly specific and is information covered in the Course Information Sheet   Part 6 – change to Rider Performance assessment strategy to one point of assessment, now reflecting 100% oral exam.   Part 8 – removed in line with current template

Material Alteration: No

Rationale: Rider Performance module assessment strategy has been changed and as such amendments were required to the assessment map.

Change requested by: Victoria Lewis
√   I can confirm that student representatives have been consulted about this change

√ I can confirm that colleagues impacted by this change have been consulted	
√ I have retained evidence of these consultations, which will be summarized within the Programme Enhancement Report	
Signature: V.lewis	**Date**: 15/5/19

Name of Head of Department: Catherine Phillips	
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**: 13/02/2019

Approval Committee and Date:	CVC 2019 02 13
Change approved with effect from:	1 September 2019
Resulting new version number:	**V2.3**

Rationale: After the successful application for University Title, amendments were required to all specifications.	
Material Alteration: Yes and Course Information Sheet amended appropriately: Not required	
Outline Change Details: 1. Part 1: Basic Data requires the Awarding Body to be amended from Hartpury College to Hartpury University. 2. Removed BUWE B80 4. Subject Benchmark Statements updated where required.	
Change requested by:	Academic Registrar
CVC approval date:	31 August 2018
Change approved with effect from:	01 September 2018
New version number:	**V2.2**

Version v1.1

Rationale: Investigating Equestrian Research is a broader equine science module that better fits the overall ethos of the programme. The Rider Performance module which is more specialist and would be better placed as an optional module where those who do want to focus on the rider are able to take it, but those who have no interest or experience in this specific field are able to choose an alternative .	
Material Alteration: No	
Outline Change Details: Investigating Equestrian Research HEQV6Y-15-7 moved from optional to compulsory and Rider Performance HEQXKR-15-7 moved from compulsory to optional.	
Change requested by:	Kirsty Lesniak
CVC approval date:	01 March 2018
Change approved with effect from:	01 September 2018
New version number:	V1.1

Version 1.0 approved on 01 September 2017 until 01 September 2024 by Hartpury Curriculum Approval Committee.