

Module code: MOD011007	Version: 1 Date Amended: 07/Mar/2025
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1. Module Title
Equine Global Innovation and Sustainability

2a. Module Leader
Jaime Finch

2b. School
Writtle School of Agriculture, Animal and Environmental Sciences

2c. Faculty
Faculty of Science and Engineering

3a. Level
6

3b. Module Type
Standard (fine graded)

4a. Credits
15

4b. Study Hours
150

5. Restrictions			
Type	Module Code	Module Name	Condition
Pre-requisites:	None		
Co-requisites:	None		
Exclusions:	None		
Courses to which this module is restricted:	BSc (Hons) Equine Science		

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

This module offers you a comprehensive understanding of the evolving equine industry, emphasising the urgency of sustainability and innovative practices as well as Social Licence to Operate (SLO). As awareness of animal welfare and environmental responsibility increases, the equine sector faces growing pressure to adopt methods that enhance horse welfare, while reducing ecological impact.

In this module, you'll explore how cutting-edge innovations ranging from advancements in veterinary medicine and health monitoring to sustainable breeding techniques and eco-friendly facility management can transform traditional equine practices. You'll critically assess the implications of these innovations on horse welfare, considering ethical dimensions and responsible management.

Through global case studies, you'll gain insights into successful strategies and initiatives implemented across various equine contexts. This module encourages reflective and reflexive practice, enabling you to develop your own sustainable equine management strategies through collaborative projects, presentations and research assignments.

Ultimately, this module aims to equip you with the knowledge and skills necessary to promote sustainability within the industry, fostering a holistic understanding of the importance of innovation, animal welfare, and environmental stewardship for a sustainable future in equine management.

6b. Outline Content

- Definition and importance of sustainability in the equine sector
- Social license to operate
- Overview of the global equine industry
- Advances in veterinary medicine and health monitoring and use of technology in enhancing horse welfare (e.g., wearables, telemedicine)
- Impact of production the environment
- Sustainable design and management of equine facilities
- Waste management and resource conservation
- Smart technologies for monitoring and management
- Collecting, examining, and interpreting data to enhance operational processes and minimise unnecessary resource consumption in the equine industry
- Examination of successful sustainable equine practices from around the world
- Guest speakers from leading voices in equine sustainability
- Principles of sustainability in business strategy

6c. Key Texts/Literature

The reading list to support this module is available at: <https://readinglists.aru.ac.uk/>

6d. Specialist Learning Resources

None

7. Learning Outcomes (threshold standards)		
No.	Type	On successful completion of this module the student will be expected to be able to:
1	Knowledge and Understanding	Analyse current global innovations in the equine sector.
2	Knowledge and Understanding	Evaluate the impact of these innovations on sustainability and horse welfare.
3	Intellectual, practical, affective and transferrable skills	Develop strategies for implementing sustainable practices within the equine footprint
4	Intellectual, practical, affective and transferrable skills	Critically assess the role of technology in promoting sustainability in the equine industry.

8a. Module Occurrence to which this MDF Refers				
Year	Occurrence	Period	Location	Mode of Delivery
2026/7	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	16	1-4	1.5 hours per week over 1 Trimester – 11 teaching weeks per Trimester
Other teacher managed learning	20	1-4	Seminars/Workshops 1.5 hours per week over 1 Trimester – 11 teaching weeks per Trimester 3 hours Revision and assignment support – 1 session per trimester (week 12)
Student managed learning	114	1-4	Independent study – outside reading and developing ideas to achieve learning outcomes
TOTAL:	150		

9. Assessment for the above Module Occurrence					
Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Practical	1-4	100 (%)	Fine Grade	30 (%)
A group project to include a presentation and an infographic or video					

Assessment components for Element 010				
Component No.	Assessment Title	Submission Method	Weighting (%)	Components needed for Mark Calculation?
010/1	Peer review		10 (%)	All
010/2	Presentation		90 (%)	

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7*). In addition, students are required to: (a) achieve the qualifying mark for each element of fine graded assessment as specified above (b) pass any pass/fail elements [* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]
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