

Module code: MOD011211	Version: 1 Date Amended: 17/Jun/2025
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1. Module Title
Resilient Future Farming - Animal Production

2a. Module Leader
Harriet Wishart

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:	None		

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

Livestock production is increasingly affected by both national policies, global socio-economic trends and environmental changes. In this module, you'll explore how the industry must adapt to these changing situations and how they influence decision making at the farm level. You'll apply your knowledge of livestock production systems to new and developing issues within the livestock industry, such as bovine tuberculosis and antimicrobial resistance, as well as emerging concerns that may arise during the semester, including disease outbreaks or policy changes. Through critical discussion, you'll consider how local and national policies can adapt to global changes, such as population increase and food security. The module is designed to develop your ability to think analytically and approach industry challenges from a broader perspective. By the end of the module, you'll be equipped to critically assess current and emerging issues in livestock production, propose ways to address them and be able to suggest appropriate strategies and technologies to overcome industry-relevant problems. You'll also develop the complex skills of synthesis and judgement, as well as debating and presenting argument skills and you'll be able to evaluate and link scientific principles, such as peer reviewed research, to livestock production at global, national and farm levels.

6b. Outline Content

Identifying current issues livestock production (farm, national and global), including socio-economic issues, supply and demand, as well as economic impacts on livestock production.

Farmers behaviour, motivation and attitudes towards local and global issues, such as: pollution (e.g. methane emission), human health (e.g. zoonotic diseases), as well as wildlife and disease spread (e.g. TB in cattle).

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	Integrate knowledge of the wider issues affecting livestock and food production.
2	Intellectual, practical, affective and transferrable skills	Critically analyse an issue from different perspectives
3	Intellectual, practical, affective and transferrable skills	Critique the supporting evidence for shaping policy decisions

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	30	1-3	3hr lectures x 12
Other teacher managed learning	6	1-3	Visits and practicals distributed across both trimesters
Student managed learning	114	1-3	Self-directed learning, set reading, background reading, and assignments.
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	1-3	100 (%)	Fine Grade	30 (%)
Presentation (10 Minutes) - Students will present evidence to a House of Commons Select Committee on a current issue. They will be expected to take a one-sided view in their delivery in order to make their case. They will not be allowed to use PowerPoint but will provide a 2 sided A4 handout to the panel members make their case. They will not be allowed to use PowerPoint but will provide a 2 sided A4 handout to the panel members A4 handout to the panel members					

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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