

Module Title:	Farm Animal Health and Welfare		
Language of Instruction:	English		
Credits:	5		
NFQ Level:	8		
Module Delivered In	3 programme(s)		
Teaching & Learning Strategies:	Formal lectures will be complemented by practical field laboratories on farm. This will allow for a balance of theory and hands on learning activities. Classroom activities will focus on the main animal enterprises in Irish agriculture and strategies to optimise animal health and welfare standards on these farms. Case studies will be used where appropriate to demonstrate how welfare standards are implemented on farm. Students will be required to complete an animal health plan for an enterprise of their choice.		
Module Aim:	This module will focus on the health and welfare of farmed animals and how management can play a role to reduce the incidence of both ill health and welfare issues on farm. Students will learn about the role of the consumer and the regulator in setting the standards for farm animal welfare and how this applies to different animal groups. Several concepts relating to health and welfare will be explored so that the student will be capable of assessing and implementing health and welfare standards on farms that keep animals for food production.		
Learning Outcomes			
On successful completion of this module the learner should be able to:			
LO1	Be capable of recognising the signs of stress and ill health in farm animals and provide the animal keeper with advise on any changes that are required to reduce the incidence of both		
LO2	Be capable of constructing an animal health plan and demonstrate how this health plan will be implemented on the farm		
LO3	Be capable of engaging with the consumer, government and NGO on farm animal health and welfare related issues		
LO4	Be capable of assessing the welfare standards of animal facilities on farm and else where and providing advise on any changes that are required to improve the overall welfare standards of the facility.		
Pre-requisite learning			
Module Recommendations			
This is prior learning (or a practical skill) that is recommended before enrolment in this module.			
7832	FARM H1718	Introduction to animal production	
Incompatible Modules			
These are modules which have learning outcomes that are too similar to the learning outcomes of this module.			
No incompatible modules listed			
Co-requisite Modules			
No Co-requisite modules listed			
Requirements			
This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.			
No requirements listed			

Module Content & Assessment

Indicative Content

Concepts of Animal Welfare

Five freedoms of farmed animals, definition of a sentient animal, the role of the consumer in setting animal welfare standards, the role of non governmental organisations in setting animal welfare standards, Temple Grandin principles of design for animal welfare

Animal Welfare in Practice

Statutory Management Requirements and other legislation that governs animal welfare on farm, assessing the adequacy of animal welfare in the built environment, assessing the adequacy of the animal's diet in the prevention of malnutrition

Concepts of Animal Health

One Health as it applies to food producing animals, dealing with antimicrobial resistance in the food chain, testing and treating ill health from an animal keeper's perspective

Animal Health in Practice

Recognising the signs of ill health, production diseases of farm animals and their prevention, parasitic infection of farmed animals and it's prevention, construction of a farm health plan, The Four Rights of medicine administration as it applies to the animal keeper.

Assessment Breakdown	%
Project	20.00%
Practical	30.00%
End of Module Formal Examination	50.00%

No Continuous Assessment

Project

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Students will be asked to devise an animal health plan for a farm of their choice. This should identify the various animal health risks on the farm and provide a strategy for reducing said risks.	1,2	20.00	n/a

Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Students will be required to complete reports on their practical sessions summarising the key learnings and discussing the implications of these learnings for farm animal health and welfare.	1,3,4	30.00	n/a

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	Terminal Examination	1,3,4	0.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	2.00
Practicals	12 Weeks per Stage	1.00
Independent Learning Time	12 Weeks per Stage	3.00
Total Hours		72.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_EFARG_B	Bachelor of Engineering (Honours) in Agricultural Systems Engineering	7	Elective
CW_SWOAG_B	Bachelor of Science (Honours) in Organic Agriculture	7	Mandatory
CW_SWSFM_B	Bachelor of Science (Honours) in Sustainable Farm Management and Agribusiness	7	Mandatory