

Module Title:	Agricultural Sustainability 1
Language of Instruction:	English
Credits:	5
NFQ Level:	6
Module Delivered In	No Programmes
Teaching & Learning Strategies:	Formal lectures will be supplemented with field trips and case studies of agri-businesses that have engaged in sustainable management practices. Where appropriate, guest lecturers will be invited to share their knowledge on specific aspects of sustainability.
Module Aim:	This module aims to provide the student with an in-depth understanding of the importance of sustainable food production. The three pillars of sustainability will be covered giving the student the knowledge required to put these concepts into practice in a commercial agricultural setting.

Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Demonstrate an understanding of the key performance indicators for sustainability at farm level
LO2	Understand the interaction between farming and the environment including effects on air, water, biodiversity and the rural community
LO3	Identify resources used on farms and strategies that ensure their sustainable use
LO4	Can defend the role of Irish agricultural systems in the sustainable production of food

Pre-requisite learning	
Module Recommendations <i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules <i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements <i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
No requirements listed	

Module Content & Assessment
Indicative Content
Environmental KPI

Key environmental performance indicators that apply to farm will be used to critically evaluate farming systems. Reports from Bord Bia and Teagasc will be reviewed to assess current environmental performance of farms along with strategies for improvement

Environmental resource management

Farming systems can have a considerable impact on the environment. Individual case studies from the IFA Smart Farming initiative will be used to examine how the environmental performance of a farm can be improved both from a greenhouse gas emission and a biodiversity perspective

Public image of farming

Understanding how the work of Bord Bia and other organisations promotes a positive image of Irish Agriculture.

Assessment Breakdown
%

Continuous Assessment

50.00%

Project

50.00%

Continuous Assessment

<i>Assessment Type</i>	<i>Assessment Description</i>	<i>Outcome addressed</i>	<i>% of total</i>	<i>Assessment Date</i>
Examination	Inclass assessment on Learning Outcome 1	1	12.50	n/a
Examination	Inclass assessment on Learning outcome 2	2	12.50	n/a
Examination	Inclass assessment on Learning outcome 3	3	12.50	n/a
Examination	Inclass assessment on Learning outcome 4	4	12.50	n/a

Project

<i>Assessment Type</i>	<i>Assessment Description</i>	<i>Outcome addressed</i>	<i>% of total</i>	<i>Assessment Date</i>
Project	Project on identifying the environmental impact of a farm which the student is familiar with including upstream and downstream effects	1,2	25.00	Sem 1 End
Project	Review of the role of farming in ensuring the sustainability of food production in Ireland including a poster presentation to the college.	3,4	25.00	Sem 2 End

No Practical

No End of Module Formal Examination

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

Module Workload

Workload: Full Time		
Workload Type	Frequency	Average Weekly Learner Workload
Lecture	Every Week	1.50
Independent Learning	Every Week	1.50
Total Hours		3.00

