FARM H4703: Environmentally Sustainable Farm Management

Module Title:	Environmentally Sustainable Farm Management
Language of Instruction:	English

Credits:	10

NFQ Level:	8

Module Delivered In	No Programmes

Teaching & Learning Strategies:	This module will be delivered using a learner-centred approach with a strong emphasis on the sustainability of current practices in day-to-day agriculture. A variety of teaching and learning strategies will be used such as lectures, guest lecturers, computer practical, group workshop, case-studies, group discussions and group activities, site visits and classroom assessment techniques. A responsibility for learning will be fostered in the learners. To develop confidence, class participation will be encouraged and collaborative work will be instrumental in nurturing team building amongst the group.

Module Aim:	The module aims to ensure learners demonstrate a knowledge of sustainable farm management, energy resources, waste management, water conservation and associated legislation and regulations.

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	Apply an in-depth knowledge and understanding of sustainability in the context of agriculture
LO2	Conduct investigations of the factors that are a threat to land resources and explore the development of appropriate solutions
LO3	Critically appraise the resources available to ensure sustainable land and water management
LO4	Provide strategies to determine the need for conservation of water and the potential threats to this resource.
LO5	Develop an integrated waste management strategy
LO6	Apply high ethical standards in the practice of farming

Pre-requisite learning
Module Recommendations *This is prior learning (or a practical skill) that is recommended before enrolment in this module.*
No recommendations listed
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

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Module Content & Assessment

Indicative Content
Practices and Ethics of Sustainability Critically appraise practices and ethics of agricultural production.
Energy Resources • Critical awareness of the carbon footprint of agriculture and developing strategies to mitigate it through efficient energy usage and other means • Explore potential of renewable energy. • Legislation and regulations in relation to energy
Waste Management • Introducing best practice in the management of agricultural waste • Legislation informing waste management
Water Conservation • Recognize and apply best practice in water conservation. • The re-use of water in integral compatible applications • Critically analyse best international practice in the implementation of water conservation • Legislation and regulations associated with water conservation

Assessment Breakdown	%
Continuous Assessment	100.00%

Continuous Assessment

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Written Report	Research Report and Presentation: Learners will be required to find appropriate source material in order to compose a research report. Learners are required to present the findings of their research report in a presentation to the rest of their class.	1,2,6	30.00	n/a
Written Report	Research Report and Presentation: Learners will be required to find appropriate source material in order to compose a research report. Learners are required to present the findings of their research report in a presentation to the rest of their class.	1,3,4,6	30.00	n/a
Written Report	Research Report and Presentation: Learners will be required to find appropriate source material in order to compose a research report. Learners are required to present the findings of their research report in a presentation to the rest of their class.	1,5,6	30.00	n/a
Reflective Journal	Reflective Practice: Learners are required to keep a reflective journal throughout the year. On completion of the module learners are required to present the content of their reflective journal.	1,2,3,4,5,6	10.00	n/a

No Project

No Practical

No End of Module Formal Examination

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

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Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	30 Weeks per Stage	2.00
Practicals	30 Weeks per Stage	1.00
Independent Learning	30 Weeks per Stage	3.67
	Total Hours	200.00