

# ENVI C3702: Organic Food and the Environment

Module Title:			Organic Food and the Environment		
Language of Ins	structior	ו:	English		
Credits:		5			
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NFQ Level:		7			
Module Deliver	red In		2 programme(s)		
Teaching & Lea Strategies:	arning		This module will be delivered using a learner-centred approach with a strong emphasis on the sustainability of current practices in organic food production. A variety of teaching and learning strategies will be used such as lectures, guest lecturers, group workshop, case-studies, group discussions and group activities.		
Module Aim:			The aim of the module is to develop learners critical thinking and understanding of the complex interrelations between food production in organic systems and: -The environment -Social, and political stimulus -Human health and nutrition -Food security and -Climate change		
Learning Outco	omes				
On successful co	completior	n of th	nis module the learner should be able to:		
LO1 Co ag	comprehei gri-ecosys	nd the stem :	e advantages and limitations of organic agriculture as a food production system, with regard to the effect on services		
LO2 Cr	ritique the	e inter	rrelations between agriculture, food and climate change		
LO3 Ur	Inderstand	d the	societal expectations of organic food production		
Pre-requisite le	earning				
Module Recom	<b>imendatio</b> rning (or a	ons a prac	ctical skill) that is recommended before enrolment in this module.		
No recommenda	ations liste	ed			
Incompatible M These are modu	<b>Iodules</b> ules which	h have	e learning outcomes that are too similar to the learning outcomes of this module.		
No incompatible	e modules	liste	d		
Co-requisite Mo	lodules				
No Co-requisite	modules	listed	3		
<b>Requirements</b> This is prior lear	rning (or a	a prac	ctical skill) that is mandatory before enrolment in this module is allowed.		
No requirements	s listed				



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## **Module Content & Assessment**

## Indicative Content

### **Organic Production Systems**

Historical Background, Principles of Organic Agriculture, Evolution of Food Production Systems, The Sociology of Agriculture and Food, Food Safety and Security, Food and Agriculture Policy, Adoption of Organic Agriculture, Issues and Challenges, Local and Global Food Systems, Nutrition and Health Effects of Organic Foods, etc

The Impact of Organic Food Production Production within Planetary Limits, Food Quality and Nutrient Density, Product (Carbon) Life Cycle and Global Trade, Environmental Impact of Food and Food Processing, Introduction to Food Supply Chains (FSC), Production Quantities and Food Security, Sustainable Consumption, Commodity and Product Premiums, Cost of Production, etc

Environmental Impact Land Use Efficiency, Energy Use and Greenhouse Gas Emissions, Soil – Air – Water Quality, Biodiversity, Carbon Sinks, Pesticides, Organic Fertilisers, Ecological Services, Climate Change etc.

Assessment Breakdown	%
Continuous Assessment	40.00%
Project	60.00%

Continuous Asso	ontinuous Assessment			
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Examination	In class assessment examining the students understanding of Learning Outcomes.	1,2,3	40.00	n/a

Project				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Research report on an aspect relating to the sustainability of organic food production systems and factors that can improve the sustainability.	1,2,3	60.00	n/a

No Practical

No End of Module Formal Examination

Continuous Ass	essment			
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Examination	In class assessment examining the students understanding of Learning Outcomes.	1,2,3	40.00	n/a

Project				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Research report on an aspect relating to the sustainability of organic food production systems and factors that can improve the sustainability.	1,2,3	60.00	n/a

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	12 Weeks per Stage	2.00
Lecturer-Supervised Learning (Contact)	12 Weeks per Stage	1.00
Independent Learning	12 Weeks per Stage	3.00
	Total Hours	72.00
Model and Development		

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Workload Type	Frequency	Average Weekly Learner Workload
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Lecturer Supervised Learning	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_SWOAG_B	Bachelor of Science (Honours) in Organic Agriculture	5	Mandatory
CW_SWOAG_D	Bachelor of Science in Organic Agriculture	5	Mandatory