

Module Title:	Organic Pulse Production
Language of Instruction:	English
Credits:	5
NFQ Level:	8
Module Delivered In	1 programme(s)
Teaching & Learning Strategies:	Formal lectures will be accompanied by specific practical, field work, and site visits. This will enable a deeper understanding of theoretical and practical applications examining best practice in the sector. Classroom based theory will concentrate on requirements for field scale organic pulse production including crop production, management and harvesting techniques. Specialised equipment and machinery requirements will be explored as will market specifications. Practical, field work and site visits will be used to give students insight into a variety of aspects of production at farm and retail level.
Module Aim:	The module will focus on the key parameters of the agronomy, processing and marketing of a range of organic pulse crops. Students will examine the scope of production in terms of crop rotations, fertility requirements and nutrient composition of various pulse crops. A further aim of this module will be to explore organic pulse production within the wider scope of organic crop production and mixed farming systems.
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Demonstrate a detailed understanding of organic pulse production.
LO2	Demonstrate knowledge of field scale management techniques including soil cultivation, weeding, and harvesting of pulse crops
LO3	Illustrate an ability to advise organic farmers about organic pulse production.
LO4	Demonstrate an understanding of production of organic pulses and other minor arable crops for animal feed, and opportunities for production for human consumption.
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

Organic pulse production

The learner will explore the range of pulses that can be grown organically in Ireland. This covers crop specifics such as rotation, nutrition requirements, soil cultivation, sowing, pest and disease monitoring, and weed control. Lectures will be complimented by site visits to appropriate producers and processors.

Processing organic pulses

The harvesting, separation, processing, and storage of organic pulses will be explored by students. The integration of pulses into a wider farm system will be examined. Suitable crop varieties and potential new varieties for use in organic farming will be integrated into the module as will evaluation of pulse production in a wider context.

Marketing organic pulses

The learner will explore the market opportunities for organic pulses. This includes potential market development for organic pulses and other minor crops for human consumption. Nutrient status of pulse crops will be examined to ascertain the value of pulse crops to supply a domestic protein component for animal rations. The incorporation of site visits to complement classroom-based learning will be introduced into the structure of this module.

Assessment Breakdown	%
Continuous Assessment	50.00%
End of Module Formal Examination	50.00%

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Students are required to design a crop plan for pulse production for a mixed organic farm.	1,2,3,4	20.00	Ongoing
Practical/Skills Evaluation	Students will record field sessions including soil analysis, crop growth, pest and disease monitoring.	1,2,3,4	30.00	n/a

No Project

No Practical

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	Terminal Exam	1,2,3	50.00	End-of-Semester

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Project	Students are required to design a crop plan for pulse production for a mixed organic farm.	1,2,3,4	20.00	n/a
Practical/Skills Evaluation	Students will record field sessions including soil analysis, crop growth, pest and disease monitoring.	1,2,3,4	30.00	n/a

No Project

No Practical

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	Terminal Examination	1,2,3	50.00	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

Workload: Part 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_SWOAG_B	Bachelor of Science (Honours) in Organic Agriculture	8	Group Elective 2