

Module Title:	ICT and Agriculture 2	
Language of Instruction:	English	
Credits:	5	
NFQ Level:	6	
Module Delivered In	No Programmes	
Teaching & Learning Strategies:	Delivery of the module will revolve around practical work that the student will save and submit at the end of the module. Classes will be used to prepare the student for laboratory sessions. Laboratory exercises should reinforce the learning from classes and show alternative applications of the tools to expand the scenarios in which they may be used. All theory will be supported using examples and practical exercises. Tutorials and labs will operate on a 'learning by doing' ethos and an open 'studio' type of learning environment will be encouraged. Other forms of learning such as problem based learning and problem solving, particularly in groups, will be encouraged through projects and through class tasks.	
Module Aim:	The aim of this module is to further develop learners' knowledge of word processing, spreadsheets and presentation tools together with the development of key skills in GIS, GPS and associated AutoCAD.	
Learning Outcomes		
On successful completion of this module the learner should be able to:		
LO1	Demonstrate the ability to produce effective documentation using word processing, spreadsheets and presentation authoring tools in a timely manner	
LO2	Define and develop the basic concepts of databases	
LO3	Develop key skills in the use of GIS, GPS & CAD based software and their practical application in agriculture, including sensors and robotics.	
LO4	Apply best practice in the application of GIS, GPS and associated CAD systems	
Pre-requisite learning		
Module Recommendations		
This is prior learning (or a practical skill) that is recommended before enrolment in this module.		
5945	FARM H1706	ICT and Agriculture 1
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				
Word Processing and Spreadsheets • Word processing • Spreadsheets • Presentation tools				
GIS, GPS & AutoCAD • Databases • GIS and GPS and their application in agriculture • Using CAD in conjunction with GIS and GPS				
Assessment Breakdown				%
Practical				100.00%
No Continuous Assessment				
No Project				
Practical				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Research and prepare a specific topic, agreed with class tutor, and create a presentation using a recognized presentation tool.	1,2,3,4	30.00	n/a
Practical/Skills Evaluation	Students are also required to submit projects consisting of labs completed throughout the year in each of the tools used to form part of their continuous assessment and learning processes.	1,2,3,4	70.00	n/a
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		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Practicals	30 Weeks per Stage	1.50
Independent Learning	30 Weeks per Stage	1.83
Total Hours		100.00

