

Module Overview			
Module Title	Livestock Production Technology and Innovation		
Module Code	CU4014 (EPU7)	Module Type	Taught Module
Subject Area	Agricultural Science and Practice (ASP)		
Module Leader	Inna Sokhan		
Location	SNAU Ukraine	Semester	Semester 2 (SNAU)
FHEQ Level	Level 7	Credits	15 credits
QAA Subject Benchmark Statement	Bachelor's Degrees - Agriculture, Horticulture, Forestry, Food and Consumer Science		
Module Description			
<p>This module examines the principles and theories that underpin the concept of precision livestock management as applied to domesticated farm animals (e.g. pigs, poultry, sheep and cattle). The module focuses on the technology (sensors, networks, control systems) and logic (models, management rules) related to (i) intake and yield; (ii) welfare and stress; (iii) activity, behaviour and location; and (iv) management decisions. The technologies will be considered in the context of European and global agriculture, and how they can be adopted to achieve operational, husbandry environmental and economic benefits for farmers. To module will review current and potential issues affecting global livestock enterprises, and consider the development of new technologies.</p>			
Intended Learning Outcomes			
ILO1	Investigate, appraise and evaluate current and future issues affecting livestock enterprises		
ILO2	Validate current Agri-Technologies or those that have the potential to be utilised successfully to resolve current issues affecting livestock enterprises by improving sustainable production and environmental diagnostic systems.		
ILO3	Critically interpret scientific reports to determine the evidence needed to support the development of technology for the livestock industry considering the ability and the opportunities for cross-over in agri-tech between industries.		
Learning, Teaching and Assessment			
Approach to Learning and Teaching			

This module is delivered through a mixed series of written and oral skills: ICT including PowerPoint and bibliographic databases; sourcing evaluation and synthesizing information; critical evaluation and decision making; group working and team skills. Alternate focus lectures, seminars and tutorials, and relies on case studies and visits to provide context to the discussions. Attendance at every visit is considered essential in order for students to gain critical insight and evidence from these visits is expected to feature during formative and summative assessment tasks. As a result the contact hours reflect the commitment expected by students who choose this module.									
Approach to Assessment									
Critical technical evaluation and an online test.									
Scheduled Learning and Teaching Hours (seminars)						18			
Scheduled Learning and Teaching Hours (field-based)						6			
Scheduled Learning and Teaching Hours (lab-based)						0			
Scheduled Learning and Teaching Hours (computer-based)						0			
Scheduled Learning and Teaching Hours (online learning)						12			
Independent Study Hours						114			
Placement Learning Hours						0			
Total Study Hours						150			
Assessment Components									
Component	Type	Weight	Acc' Req?	Submission Week	ILOs Assessed				
					1	2	3	4	5
Essay - technical evaluation (2000 words)	Coursework	80%	<input type="checkbox"/>	Week 33	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Problem sheet (5 days to submit)	Coursework	20%	<input type="checkbox"/>	Week 35	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Associated Programmes									
Programme Title						Designation			
MSc Sustainable Agriculture and Food Security						Optional			
Resources									
Reading list		https://rau.rl.talis.com/index.html							