

Module Overview

Module Title	Climate Change and Sustainability		
Module Code	CU4009 (EPU4)	Module Type	Taught Module
Subject Area	Agricultural Science and Practice (ASP)		
Module Leader	Ihor Kovalenko/ Olena Slavkova		
Location	SNAU Ukraine	Semester	Semester 2 (SNAU)
FHEQ Level	Level 7	Credits	15 credits
QAA Subject Benchmark Statement	No relevant statement		

Module Description

This module tackles anthropogenic climate change, arguably the biggest challenge currently facing humanity. The module assesses the causes and consequences of climate change and the actions, rooted in sustainability, which should be taken to mitigate and adapt to its impacts.

The module evaluates the causes and consequences of climate change. The risks and impacts of climate change on terrestrial ecosystems, including agriculture, and humanity are then analysed. The issues of uncertainty and complexity are discussed. The potential solutions that could help mitigate climate change are addressed including the central role of increasing sustainability. Finally solutions to adapting to climate change are discussed including the key role of multidisciplinary working and involvement of stakeholders and communities.

Intended Learning Outcomes

ILO1	Systematically analyse the impacts of climate change on ecosystems, including agriculture, and humanity, whilst dealing with uncertainty and complexity.
ILO2	Relying on the latest research, critically appraise strategies aimed at mitigating climate change in a range of situations.
ILO3	Design and critically evaluate multidisciplinary strategies aimed at adapting to climate change, in the absence of complete data.

Learning, Teaching and Assessment

Approach to Learning and Teaching

This module includes lectures and seminars. Each week focusses on a particular topic, which is first introduced in the online lecture and discussed in the seminar.

The associated weekly seminar then focusses on a key aspect of the topic in more detail and will generally be student-led, with group tasks, discussions and activities (e.g. presentations).									
Approach to Assessment									
A single element of assessment will be required in the form of an essay up to 3000 words. The essay format allows the student to argue a case bringing in relevant information from both the module contents and reading around the topic. It is the perfect means of testing critical analysis and argumentation building including dealing with uncertainty and complexity.									
Scheduled Learning and Teaching Hours (seminars)					24				
Scheduled Learning and Teaching Hours (field-based)					0				
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 (3000 words)	Coursework	100%	<input type="checkbox"/>	Week 35	<input checked="" 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								