



## Overview of the module

Module Title	Management of agroecosystems		
Module Code	OK6	Module Type	Taught Module
School	School of Agriculture, Food and the Environment		
Module Leader	Vladyslav Kovalenko		
Location	Sumy, SNAU, Ukraine	Semester	Semester 1 (RAU)
FHEQ Level	Level 7	Credits	5 credits
QAA Subject Benchmark Statement	Choose an item.		

## Module Description

Formation of students' knowledge and skills regarding the rational and effective use of soil and climatic conditions. studying the possibilities of managing agroecosystems in order to create an effective balance in the agroecosystem to provide cultivated plants with all the necessary elements for growth and development during ontogenesis, regardless of the challenges of the surrounding environment.

## Planned learning outcomes

- ILO1** Develop and implement projects of environmentally safe methods and technologies for the production of high-quality plant products, taking into account the characteristics of agricultural landscapes and economic efficiency.
- ILO2** Be able to provide professional knowledge, own justifications and conclusions to specialists and the general public.
- ILO3** Know the principles of personnel and resource management, basic approaches to decision-making.
- ILO4** Demonstrate awareness of the latest principles and methods of research and production activities in agronomy.

## Learning, teaching and assessment

### Approach to learning and teaching

More online learning with shorter F2F workshops is appropriate here as students are self-motivated to learn and topics cover e.g. critical thinking, do not require 2 hours of discussion. Short workshops give them the opportunity to discuss/refine the weekly topics. In addition,

the content of the module introduces concepts at the beginning of the school year that are not used until the summer, so relevance in teaching is limited, but access to materials at the point of use is more important.

#### Approach to assessment

This module requires students to develop a research proposal, ideally one used for their dissertation module, achieved by this assessment. The process of developing a proposal is useful for students both in their careers, since they will likely be writing commercial or research proposals, and for those students who are changing topics, because they can quickly prepare a new proposal using the skills they have learned.

Scheduled hours of study and teaching (seminars)	20
Scheduled hours of study and teaching (excursions)	0
Scheduled hours of study and teaching (laboratory practice)	20
Scheduled hours of study and teaching (on the computer)	0
Scheduled learning and teaching hours ( online learning )	
Hours of independent study	50
Placement Study hours	0
Total number of study hours	90

#### Assessment components

component	Type	weight	Acc' Req ?	Presentation week	Rated LO			
					2	3	4	5
Written self-reflection (1000 words excluding references)		50%	<input type="checkbox"/>	9 week	E	E	E	<input type="checkbox"/>
Research proposal (2000 words without references)		50%	<input type="checkbox"/>	17 week	E	E	E	<input type="checkbox"/>

#### Companion programs

Name of the program	Marking
Master of Business Administration	Core
Master of Sustainable Agriculture and Food Security	Core

Master of Agricultural Technologies and Innovations	Core
Resource	
Reading list	<a href="https://cdn.snau.edu.ua/moodle/course/view.php?id=3997">https://cdn.snau.edu.ua/moodle/course/view.php?id=3997</a>