### Sylabus przedmiotu

#### Course name:

## REGENERATIVE AGRICULTURE

ECTS	4
Course status	complementary
Course final assessement/evaluation of outcomes	exam / credit / credit unrated
Prerequisites	passing the subject AGRICULTURE OR AGROECOLOGY

### Main field of study:

### **ERASMUS**

Profile of study	General-academic	
The code of studies (education level)	Bachelor / Master	
Semester of studies	winter / summer	
Language of instruction	English	

### Course offered by:

Name of faculty offering the course	Agriculture and Economy	
Name of department offering the course	Department of Agroecology and Plant Production	
Koordynator przedmiotu	Agnieszka Klimek-Kopyra	

### Learning outcomes of the course:

Symbol of outcome		Reference to	
	Description of learning outcome	main field of study outcomes	discipline
	KNOWLEDGE – student knows and/or understands:		
K1_RE_W01	the basic processes involved in the life cycle of technical equipment, facilities and systems	P6S_WG P7S_WG	RR
K1_RE_W02	the pedogenetic factors and processes shaping the soil cover, the role and functions of soil in the natural environment, the natural and human-induced processes taking place in the soil, its agricultural suitability, soil systematics and the ecological processes taking place in the soil-plant-atmosphere system	P6U_W P6S_WG	RR
K1_RE_W03	mathematical and IT methods and tools applicable to management, agriculture and economics, as well as legal provisions on information gathering and processing	P6U_W	RR

		SKILLS – student is able to:		
K1_RE_U01	perform tasks under conditions appropriate selection of source analysis of acquired informatio	nd non-routine agricultural problems and that are not wholly predictable, through as of information, evaluation, critical n and the selection and application of cluding advanced ICT techniques	P6S_UW; P6U_U	RR
K1_RE_U02	plan and organise work individ with others in teamwork (includ	P6U_U	RR	
K1_RE_U03	use analytical, simulation and evaluate processes observed i	P6U_U	RR	
	SOCIAL	COMPETENCE- student is ready to:		
K1_RE_K01	fulfilling social obligations, co-organising activities for the environment and the social environment		P6U_K	RR
K1_RE_K02	to take care of the achievemen conduct its professional activiti manner and in accordance with	P6U_K	RR	
Teaching con	tents:		30	hours
Lectures	1. Contemporary farming syste	ems in the EU	30	nours
Topics of the lectures	<ul><li>2. EU climate policy</li><li>3. Paradigms of regenerative a</li><li>4. Biologisation and good practice</li></ul>	griculture tice blementing practices for regenerative agric between science and practice a business model practice	culture	
Accomplished	learning outcomes	K1_W01; K1_W02		
Verification me	ethods, rules and criteria of esment	Single-choice test (minimum 50% corr the proportion of the lecture pass man	•	,

1. Root crop production technology according to the principles of regenerative agriculture

**Classes** 

2. Project 1- preparation of a technique for sugar beet. according to the principles of regenerative agriculture

30

hours

3. Cereal crop production technology according to the principles of regenerative agriculture

# Topics of the classes and field trips

- 4. Project 2- Preparation of technology for winter wheat according to regenerative agriculture principles
- 5. Oilseed production technology according to the principles of regenerative agriculture
- 6. Project 3- preparation of a technique for winter rapeseed according to regenerative agriculture principles
- 7. Legume crop production technology according to the principles of regenerative agriculture

	7.Legume crop	production techn	ology according to the	principles of re	generative agricultu	re	
	8. Managemen	t of RUPDs accor	rding to the principles o	f regenerative	agriculture		
	9. Carbon emis	sion calculation-	verification and use of	available tools			
Accomplishe	ed learning outcom	es	K1_U01; K1_U02; K	K1_U01; K1_U02; K1_U03			
Verification methods, rules and criteria of outcome assessment		demonstration of practical skills. The contribution of the pass mark for the design exercises to the final mark is 50%.					
References	:						
Basic		Zimmer G.	Zimmer G.F. 2024. Rolnictwo regeneratywne. ISBN:978-83-7579-927-9				
		Aydin V. 20 328-4	Aydin V. 2023. Regenerative -Agriculture. Publisher: IKSADISBN: 978-625-367-328-4				
Supplementary		Melvani K. 2012. Handbook of regenerative agriculture. Edition: 1Publisher: Neo Synthesis Research CentreEditor: Kamal MelvaniISBN: 978-955-0939-00-8					
		Dent D., Boincean B. 2021. Regenerative agriculture.ISBN: 978-3-030-72223-4					
Structure of	f learning outcom	es:					
Discipline: RR					4	ECTS <sup>*</sup>	
Discipline: # academic di		e symbol - if the	course relates to more	than one		ECTS*	
Structure of	f student activitie	s:					
Contact hou	rs		80	godz.	3,2	ECTS*	
including:	lecture		30	godz.			
	classes and se	minars	30	godz.			
	consultations		15	godz.			

godz.

godz.

godz.

godz.

godz.

**ECTS** 

ECTS<sup>\*</sup>

0,8

5

20

participations in research

participation in examinations

mandatory trainership

e-learning

student own work