Course name:

FARMING SYSTEMS

ECTS	3				
Course status	obligatory				
Course final assessement/evaluation of	ayam				
outcomes	exam				
Prerequisites	n.a.				

Main field of study:

AGRICULTURE

Profile of study	General-academic
The code of studies (education level)	SI bachelor
Semester of studies	winter
Language of instruction	English

Course offered by:

Name of faculty offering the course	Faculty of Agriculture and Economics				
Name of department offering the course	Department of Agroecology and Crop Production				
Course coordinator	Agnieszka Synowiec, Maciej Chowaniak				

Learning outcomes of the course:

		Reference	Reference to					
Symbol of outcome	Description of learning outcome	main field of study outcomes	discipline#					
KNOWLEDGE – student knows and/or understands:								
FS_W1	knows the basic principles, methods, techniques, technologies, tools and materials to use the potential of nature in the production of high-quality crop materials	RO1_W13	RR					
SKILLS – student is able to:								
FS_U1	designs and evaluates crop production systems and technologies	RO1_U21	RR					
FS_U2	evaluates and plans to use various tools, machines, methods and technologies in crop production	RO1_U24	RR					
	compares farming systems and technologies of agricultural production in terms of their economic efficiency, impact on the environment and food quality	RO1_U25	RR					
SOCIAL COMPETENCE- student is ready to:								
FS_K1	solves tasks on his own or in a team, fulfilling designated functions	RO1_K02	RR					
FS_K2	is aware of the environmental burdens resulting from agricultural production	RO1_K06	RR					

Teaching contents:

Lectures		15	hours
	Farming systems - definitions, classification in the EU and outside, roles in modern agriculture		
	Conventional farming		
	Sustainable agriculture principles, IPM		
Topics of the	Sustainable livestock raising		

lectures	Organic farming Agroforestry and biodiversity farming Precision farming									
	Soil tillage syst	iems								
Accomplished I	lished learning outcomes FS-W1, FS_U1, FS_U2, FS_K1, FS_K2									
Verification me outcome asses	thods, rules and sment	criteria of	final essay (60%)							
Classes								15	hours	
	Classes are re	alised as indivi	dual projects:							
Topics of the classes	Individual project of farm in a chosen farming system: crop rotation, plant protection, fertilization. Calculating the residues of pesticides in the crop-yield - MRL according to the European Commision Calculating the greenhouse gases (GHG) emission for a chosen cropping technology.									
Accomplished I	earning outcome	es	FS-W1, FS_U1, FS	S_U2, FS_K1, F	-S_K2					
Verification me outcome asses	thods, rules and sment	criteria of	project (in 40%)							
Seminars									hours	
Topics of the seminars										
Accomplished I	earning outcome	es	symbol of learning outcomesof the seminars							
Verification methods, rules and criteria of outcome assessment		together with participation in the final asessement (in %)								
References:										
Basic		Darnhofer I., C Dynamic. Spri	Gibbon D., Dedieu B inger, Dordrecht. http	8. (eds) Farming ps://doi.org/10.	System 1007/97	ns Re: 8-94-0	search into 1 007-4503-2_	the 21st Centu _1	ry: The New	
Supplementary	,	research pape	ers provided by the t	eachers during	course					
Structure of le	arning outcom	es:								
Discipline: # RF	२ 				<u> </u>			3	ECTS	
Discipline: # (pl	rovide appripriate	e symbol - if the	e course relates to r	nore than one a	academi	c disc	cipline)		ECTS	
Contact hours) .			2/		hours	1 /		
including:	lectures				15*		hours	1,4	2013	
including.	classes and se	minars			15*		hours			
	consultations				2		hours			
	narticination in	research			2		hours			
	mandatory trai	nershine					hours			
	participation in	examinations			2		hours			
e-learning							hours		ECTS	

student own work	40	hours	1,6	ECTS**

Syllabus valid from the academic year 2021/2022

* where 10 hours of classes = 1 ECTC (in case of 15 h \rightarrow 2 ECTS)

** stated with an accuracy to 0.1 ECTS, where 1 ECTS = 25 - 30 hours of classes

academic discipline code: RR - agriculture and horticulture