SUSTAINABILITY AND SUSTAINABLE PRODUCTION SYSTEMS IN AGRICULTURE

1	Course Title:	SUSTAINABILITY AND SUSTAINABLE PRODUCTION SYSTEMS IN AGRICULTURE	
2	Course Code:	BSM5014	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	none	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. İLKER KILIÇ	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği, C blok, Kat 2, Nilüfer, Bursa ikilic@uludag.edu.tr 0 224 2941627	
17	Website:		
18	Objective of the Course:	To provide students with sufficient knowledge and skills to explain, interpret and discuss environmental sustainability issues in agriculture.	
19	Contribution of the Course to Professional Development:	Students adapt the experiences they have gained in environmental sustainability and sustainable production systems in agriculture to their professional lives.	
20	Learning Outcomes:		
		1	Knows the definitions of sustainability
		2	List the features of sustainable agricultural production system
		3	Conducts sustainability analysis
		4	Lists legislation regarding sustainability
		5	
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21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Sustainability definitions	
2	Sustainable agricultural production	
3	Ways of sustainable agricultural production	

4	Farm and land management in sustainable agricultural production	
5	Productivity and sustainability of small-scale farming systems in a local and global perspective	
6	Socio-ecological conditions affecting the sustainability of agricultural production	
7	Sustainable farming systems	
8	Design of sustainable agricultural systems	
9	Assessing the sustainability of agricultural production systems	
10	Sustainability analysis	
11	Computer software that can perform sustainable analysis	
12	Determining the sustainability of an example agricultural enterprise with software	
13	Determining the sustainability of an example agricultural enterprise with software	
14	Guidelines and regulations regarding sustainability	

22	Textbooks, References and/or Other Materials:	1. Lecturer's lecture notes 2. Design for Environmental Sustainability. Carlo Vezzoli,Springer,2018 3. Agricultural Sustainability. Gonzalez, Elisa Gomez, Delve Publishing, 2020

23	Assesment		
TERM LEARNING ACTIVITIES	**NUMBE**	**WEIGHT**	
Midterm Exam	0	0.00	
Home work-project	1	30.00	
Midterm exams	2	100.00	
Success Grade			
Total		100.00	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	4.00	56.00
Homeworks	1	45.00	45.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	30.00	30.00
Total Work Load			173.00
Total work load/ 30 hr			5.77
ECTS Credit of the Course			6.00

24	**ECTS / WORK LOAD TABLE**

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	4	0	0	0	4	4	0	0	0	4	4	4	0	0	0	0
ÖK2	4	0	0	0	4	4	4	0	0	4	4	4	0	0	0	0
ÖK3	4	0	0	0	4	4	0	4	0	4	4	4	0	0	0	0

ÖK4	4	0	0	0	4	4	0	0	4	4	4	4	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications					
Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**