

AGRICULTURAL ECOLOGY

1	Course Title:	AGRICULTURAL ECOLOGY	
2	Course Code:	GBUP124	
3	Type of Course:	Compulsory	
4	Level of Course:	Short Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	no	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. SERAP KIRMIZI	
15	Course Lecturers:	Prof. .Dr. Serap KIRMIZI	
16	Contact information of the Course Coordinator:	Prof. .Dr. Serap KIRMIZI Uludağ Üniversitesi, Gemlik Asım Kocabıyık MYO, Gemlik BURSA Tel:5123491 Email:skirmizi@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To learn the basic concepts of ecology and understand the ecological factors on plant production	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Can explain the definition of the ecology and it's position in plant science.
		2	Can discuss the importance of nature conservation and environmental consciousness
		3	Explaining the relationship between organisms and biotic factors.
		4	Can make sampling on the environment of the living organisms
		5	Can explain environmental and abiotic factors on the plant
		6	Can explain the ecological climatic regions of Turkey
		7	Can acknowledge the causes and effects of global warming
		8	Can discuss the environmental pollution's causes and effects
		9	
		10	

21	Course Content:			
	Course Content:			
Week	Theoretical	Practice		
1	The basic concepts of ecology, branches of ecology, relation of ecology with other science branches			
2	The basic environmental terms			
3	Climatic factors; light and its ecological importance Effects of excess light on plants			
4	The minimum law, Shelford's tolerance law, optimum and limiting factors.			
5	Ecological importance of temperature The effects of high and low temperatures on plants			
6	The effects of moisture and wind on plants			
7	The agricultural climatic regions of Turkey			
8	Miterm			
9	Fire and its ecological importance			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	pollution, nuclear pollution	14	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preparation	12 natural cycles, water, carbon, nitrogen, phosphorus, Sulphur	11	2.00	22.00
Homeworks		0	0.00	0.00
Projects	characteristics of the species.	0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	20.00	20.00
Others		0	0.00	0.00
Final Exams	Materials:	1	20.00	20.00
Total Work Load				90.00
Total work load/ 30 hr		E.P. ÖDÜM, G.W. BARRET (Çeviri Ed. K. İŞİK)		3.00
ECTS Credit of the Course				3.00
23	Assesment			
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	
Midterm Exam		1	40.00	
Quiz		0	0.00	
Home work-project		0	0.00	
Final Exam		1	60.00	
Total		2	100.00	
Contribution of Term (Year) Learning Activities to Success Grade		40.00		
Contribution of Final Exam to Success Grade		60.00		
Total		100.00		

Measurement and Evaluation Techniques Used in the Course																
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	3	3	2	3	2	3	2	2	3	2	0	0	0	0	0	0
ÖK3	1	2	2	3	3	2	1	2	3	2	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			