AGRICULTURAL ECOLOGY

1	Course Title:	AGRICULTURAL ECOLOGY
2	Course Code:	GBUP124
3	Type of Course:	Optional
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:	Doç.Dr. SERAP KIRMIZI
15	Course Lecturers:	Doç.Dr. Serap KIRMIZI
16	Contact information of the Course Coordinator:	Öğr.Gör. 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	
12	Natural cycles; water, carbon, nitrogen, phosphorus, sulphur	
13	characteristics of the species.	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	11	2.00	22.00
Homeworks	0	0.00	0.00
Projects	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	1	20.00	20.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

22	Materials:	Bilgisi, Anadolu Üniversitesi Açıköğretim Fakültesi E.P. ODUM, G.W. BARRET (Çeviri Ed. K, IŞIK) Ekolojinin

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**							