

# AGRICULTURAL ECOLOGY

1	Course Title:	AGRICULTURAL ECOLOGY	
2	Course Code:	EBYZ227	
3	Type of Course:	Optional	
4	Level of Course:	Short Cycle	
5	Year of Study:	2	
6	Semester:	3	
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:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. AHMET TURHAN	
15	Course Lecturers:	Meslek Yüksek Okulu Yönetim Kurullarının görevlendirdiği öğretim elemanları.	
16	Contact information of the Course Coordinator:	esenyigit@uludag.edu.tr 0224 613 3102 Uludağ Üniversitesi Mustafakemalpaşa Meslek Yüksekokulu	
17	Website:		
18	Objective of the Course:	To teach students gaining knowledge about basic ecological factors and how to use them to increase agricultural products	
19	Contribution of the Course to Professional Development:	Understand ecological events and evaluate them in agricultural processes	
20	Learning Outcomes:		
		1	To learn in general the description of ecology and content
		2	To get familiar with environmental factors and their effects
		3	To gain knowledge about the effects of light, temperature in order to increase agricultural production
		4	To get ideas about the effects of water, atmosphere and soil in order to increase agricultural production
		5	To get knowledge about biotic factors and their effects on agricultural production
		6	To learn about competition and fire and their effects on agricultural production
		7	To learn production and life cycles in ecosystem
		8	To learn about environmental pollution and its effects on agricultural production
		9	
		10	
21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	The goal is to teach the description of ecology and the content		
2	Environmental factors in general		

<b>3</b>	Light and its effect in agriculture	
<b>4</b>	Temperature and its effect in agriculture	
<b>5</b>	Water and its effect in agriculture	
<b>6</b>	Atmosphere and its effect in agriculture	
<b>7</b>	Soil and its effect in agriculture	
<b>8</b>	Repeating courses and midterm exam	
<b>9</b>	Biotic factors and their effects in agriculture	
<b>10</b>	Competition and its effect in agriculture	
<b>11</b>	Fire and its effect in agriculture	
<b>12</b>	Ecosystem and its effect in agriculture-1	
<b>13</b>	Ecosystem and its effect in agriculture-2	
<b>14</b>	Environmental pollution and its effects on agricultural production	

22	Textbooks, References and/or Other Materials:	<p>Sencar, Ö., Gökmen, S. 2004. Traımsal Ekoloji. Gaziosmanpařa Üniversitesi Yayınları, Tokat.</p> <p>Şiřli, N. 1999. Ekoloji. Hacettepe Üniversitesi, Gazi Kitabevi, Ankara.</p> <p>Gotelli, NJ. 1995. A Primer of Ecology. Sinauer Associates. Inc. Massachusetts, USA.</p> <p>Akman, Y. ve ark. 2004. Bitki Ekolojisi. Palme Yayıncılık.</p>
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23	Assesment
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Activites	Number	Duration (hour)	Total Work Load (hour)
Quiz	0	0.00	
Theoretical	14	2.00	28.00
Home work project	0	0.00	
Practicals/Labs	0	0.00	0.00
Final Exam	1	0.00	
Self study and preparation	14	2.00	28.00
Total	2	100.00	
Homeworks	1	2.00	2.00
Contribution of Term (Year) Learning Activities to Success Grade	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	12.00	12.00
Total	1	100.00	
Others	0	0.00	0.00
Measurement and Evaluation Techniques Used in the Final Exams	Measurement and evaluation is carried out according to the principles of Bursa Uluçak University Associate and		
Total Work Load			90.00

<b>24</b>	<b>ECTS/WORK LOAD TABLE</b>			
Total work load/30 W				3.00
ECTS Credit of the Course				3.00

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ÖK5	0	0	0	0	0	0	2	0	5	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	3	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			