

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Agricultural Ecology						
Course Code ORT117 Couse		Couse Le	evel Short Cycle (Associate's Degree)				
ECTS Credit 2	Workload 50 (Hours	s) Theory	2	Practice	0	Laboratory	0
Objectives of the Course To comprehend the ecological factors that create natural and agricultural ecosystems, and to figure out the planning of basic agricultural activities in terms of sustainability				gure out			
Course Content Ecological definitions and terms; and agriculture; the relationship biotic and abiotic stress factors; general transpiration; water use efficiency pollution; sustainability; erosion		onship betwe actors; globa afficiency; dro	een soil and a	agriculture; the sange; environme	soil product ental proble	tivity and microorga ms; photosynthesi	anisms;
Work Placement	N/A						
Planned Learning Activities and Teaching Methods		Explanat	ion (Presenta	ation), Discussio	n		
Name of Lecturer(s)	Ins. Emre AĞCAGİL						

Assessment Methods and Criteria					
Method	Quantity	Percentage (%)			
Midterm Examination	1	40			
Final Examination	1	70			

Recommended or Required Reading

- 1 GÖKMEN S. 2011 Genel Ekoloji Nobel Yayın No: 37 Fen Bilimleri No: 5 ISBN: 978-605-5426-36-1
- 2 MUSLU Y. 2000 Ekoloji ve Çevre Sorunları Aktif Yayınevi İstanbul
- 3 ÖZDEMİR Ş. 1997 Temel Ekoloji Bilgisi ve Çevre Sorunları Hatipoğlu Yayınları: 105 Yüksek Öğretim Dizisi: 32 ISBN: 975-7527-84-x

Week	Weekly Detailed Cours	se Contents				
1	Theoretical	Ecological definitions and terms				
2	Theoretical	Ecological definitions and terms				
3	Theoretical	Natural and agricultural ecosystems				
4	Theoretical	Biotic and abiotic stress factors				
5	Theoretical	Agriculture-climate relations, climate groups				
6	Theoretical	Global climatic change, environmental problems and pollution				
7	Theoretical	Effects of temperature and light on agriculture, Precipitation and drought				
8	Intermediate Exam	Mid-term Exam				
9	Theoretical	Agriculture-soil relations and soil factors				
10	Theoretical	Soil productivity and erosion				
11	Theoretical	Photosynthesis, transpiration, water use efficiency				
12	Theoretical	Respiration				
13	Theoretical	Conventional and alternative farming systems				
14	Theoretical	Conventional and alternative farming systems				
15	Theoretical	General evaluation of topics and students' evaluation				

Workload Calculation					
Activity	Quantity	Preparation Duration		Total Workload	
Lecture - Theory	14	0	2	28	
Midterm Examination	1	10	1	11	
Final Examination	1	10	1	11	
	50				
[Total Workload (Hours) / 25*] = ECTS				2	
*25 hour workload is accepted as 1 ECTS					



Learn	ning Outcomes
1	To be able to comprehend ecological definitions and to develop the ability of making relations between ecological factors,
2	To be able to interpret natural and agricultural ecosystems,
3	To be able to compare conventional and alternative agricultural systems,
4	To be able to discuss the possible effects of global climate change on agricultural activities,
5	To be able to evaluate and interpret biotic and abiotic environmental factors,
6	To be able to comprehend and solve the problems related to ecological factors in agricultural production.

Progra	amme Outcomes (Organic Agriculture)	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L6
P1	4	3		5	5
P4	3	3	4	3	4
P9	3	3	3		5

