

### AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Plant Ecology											
Course Code	OT132	Couse Leve	Couse Level		evel Short Cycle (As		Short Cycle (Associate's Degree)			(Associate's Degree)		
ECTS Credit 3	Workload 75 (Hours)	Theory	2	Practice	0	Laboratory	0					
Objectives of the Course Ecological factors and to introduce the effects of these factors on plants. For this purpose, abiotic and biotic factors, the classification of the characteristics of the plant and explain the relationship between these factors .					c and ween							
Course Content Ecological concepts, grouping of ecological factors, Light, temperature, humidity, precipitation, wind and Terrestrial factors, Relationships of plants with other plants. Biomes and general characteristics.												
Nork Placement N/A												
Planned Learning Activities and Teaching Methods		Explanation	(Presentat	tion), Discussio	on, Case Stud	y, Individual Stud	dy					
Name of Lecturer(s)												

#### **Assessment Methods and Criteria**

Method	Quantity	Percentage (%)		
Midterm Examination		1	40	
Final Examination		1	70	

### **Recommended or Required Reading**

1	Plant Ecology. Mahmut KILINIÇ, H. GÜray KUTBAY. 2008. Palme Publishing ISBN: 975-86224-23-0
2	Course notes (Plant ecology, Ayhan KARACA 2010).
3	Thrust Ecology. M. A. Öztürk, Ö.Seçmen. 1992. Ege University Publications

Week	Weekly Detailed Cours	se Contents
1	Theoretical	Introduction of some basic ecological concepts in plant ecology.
2	Theoretical	Ğrouping of ecological factors affecting plants.
3	Theoretical	The effects of the light factor on plants.
4	Theoretical	Effects on plants of temperature factors.
5	Theoretical	Humidity and the effects on the rainfall factor plants.
6	Theoretical	Effects on wind and plants.
7	Theoretical	Effects on plant edaphic factors .
8	Intermediate Exam	Midterm
9	Theoretical	Effects on plant edaphic factors .
10	Theoretical	Topographical factors and their effects on plants.
11	Theoretical	The effects on plants of fire.
12	Theoretical	The relationship of plants with other plants (Lianes , epiphytes are saprophytic plants, parasitic plants and their properties).
13	Theoretical	The relationship of plants with other plants ( insect eating plants and relationships) . simbiyozis , mycorrhizae , allelopathy and relationships with animals.
14	Theoretical	Biomes and general characteristics.
15	Preparation Work	The subject again.
16	Final Exam	Final exam.

# **Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	2	2	14	32
Reading	1	1	11	12
Individual Work	1	0	11	11
Midterm Examination	1	9	1	10



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Final Examination	1		9	1	10	
	Total Workload (Hours)			75		
			[Total Workload (	Hours) / 25*] = <b>ECTS</b>	3	
*25 hour workload is accented as 1 ECTS						

Learn	rning Outcomes	
1	Recognize the environmental factors affecting plant development, distribution and grouping.	
2	Knows the effects of light and temperature on plants.	
3	Learns the effects of humidity, precipitation and wind on plants.	
4	Knows the effects of Edaphic (Soil) factors on plants.	
5	Knows the effects of physiographic factors on plants.	
6	Learn the effects of plants on other plants.	
7	Learns the effects of animals on plants.	
8	They learn the relationships between the major biomes on earth and environmental factors.	

Programme Outcomes (Olive Cultivation and Olive Processing Technology)

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To be able to identify olive, soil and water and to having knowledge these
To be able to comprehend knowledge botany and fruit growing
To be able to comprehend table olive technology and to apply
To be able to comprehend knowledge basic biochemistry and olive oil chemistry and to have olive oil with modern and traditional systems, to have knowledge olive oil rafinery, basic process and to have apply olive oil extraction
To be able to preserve olive and olive products in appropriate condition
To be able to comprehend growing olive plant with necessary agricultural methods and to have general maintenance of olive tree
To be able to evaluate olive by-products
To be able to comprehend knowledge about vegetable genetic
To be able to comprehend knowledge occupational safety and have apply first aid
To be able to apply necessray laboratory analysis in olive and olive products production
To be able to apply hygiene and sanitation rules in factory
To be able to comprehend knowledge of proffessional ethics and responsibility
To be able to comprehend knowledge marketing of olive products and to have olive management
To be able to communicate verbally and literally
To be able to comprehend planning olive growing and production area
To be able to comprehend knowledge vegetable ecology and protection of environment

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

	L1	L2	L3	L4	L5	L6	L7	L8
P1	2	3	3	3	3	3	3	3
P2	3	2	2	2	2	2	2	2
P3	2	1	1	1	1	1	1	1
P5	4	3	3	3	3	3	3	3
P6	2	3	3	3	3	3	3	3
P7	2	2	2	2	2	2	2	2
P8		5	5	2	2	2	2	2
P9		3	3	3	3	3	3	3
P10	2	2	2	2	2	2	2	2
P11	5	4	4	4	4	4	4	4
P12	5	5	5	4	4	4	4	4
P13	3	3	3	3	3	3	3	3
P14	3	4	4	4	4	4	4	4
P15	3	4	4	4	4	4	4	4
P16	5	5	5	5	5	5	5	5

