



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Plant Ecology							
Course Code		OT132		Couse Level		Short Cycle (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 .							
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.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
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 Course Contents	
1	Theoretical	Introduction of some basic ecological concepts in plant ecology.
2	Theoretical	Grouping 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



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

Learning 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 (Organic Agriculture)

1	To have university life, to use computer technology and to have skills for raising of scientific data
2	To produce according to organic agriculture rules
3	To know and apply starter to organic agriculture, and to get product certification
4	To know genetic for organic vegetable and animal species
5	To know and apply organic production principle and regulations and protection of environment
6	Understand and apply production techniques for organic vegetable and animal
7	To understand control methods for diseases and pests in organic agriculture
8	Having knowledge of quality control, preserving and marketing of organic products
9	To having knowledge equipments and methods for new agricultural technologies
10	To have knowledge of professional ethics and responsibility
11	Ability to work in team and individual
12	To communicate orally and in writing
13	To have adopt life-long learning importance and to have follow professional developments

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	4
P2	3	2	2	2	2	2	2	3
P3	2	1	1	1	1	1	1	1
P5	4	3	3	3	3	3	3	4
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	5
P13	3	3	3	3	3	3	3	4

