



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Principles of Plant Production							
Course Code		OT116		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		To teach the basic concepts and production techniques of plant production, to understand soil cultivation, sowing-planting, irrigation, nutrition, pruning, harvest.							
Course Content		The importance of horticulture and field crops and classification them. The biological importance of plants . Reproduction methods in plants. Soil cultivation, sowing-planting, irrigation, nutrition, pruning, harvest in plant production.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, 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	General Garden Plants, Ağaoğlu, S., Çelik, H., Çelik, M., Fidan, Y., Gülşen, Y., Günay, A., Halloran, N., Köksal, İ., Yanmaz, R., 1995.
2	Field Cultivation, Ceylan, A., 1994.
3	Protected Cultivation of Vegetables, Sevgican, A., 2002.

Week	Weekly Detailed Course Contents	
1	Theoretical	The definition and classification of plants.
	Practice	The introduction of the species in the garden
2	Theoretical	Cultural history of plants.
	Practice	The introduction of instruments to be used in practice
3	Theoretical	Nutritional importance of plants.
	Practice	Field practice
4	Theoretical	Place in the economy of plants.
	Practice	Field practice
5	Theoretical	Biological properties of plants.
	Practice	to show the structure of the flower in fruits and vegetables
6	Theoretical	Biological properties of plants.
	Practice	Field practice
7	Theoretical	Ecological requirements of plants.
	Practice	Field practice
8	Intermediate Exam	Mid-term exam
9	Theoretical	Ecological requirements of plants.
	Practice	Demonstration of methods of cultivation and sowing seeds
10	Theoretical	Reproduction of plants (Generative Replication).
	Practice	Steel-making, steel type, steel planting
11	Theoretical	Reproduction of plants (Vegetative Replication).
	Practice	manufactured using separation, dipping, specialized organs
12	Theoretical	Reproduction of plants (Vegetative Replication).
	Practice	Demonstration of graft and graft methods
13	Theoretical	Facility of garden plants and vineyard
	Practice	Garden plants
14	Theoretical	Facility of garden plants and vineyard
	Practice	Making the cultural process in the garden



15	Theoretical	Cultural proceedings.
	Practice	Making the cultural process in the garden
16	Final Exam	Final exam.

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Reading	17	0	1	17
Midterm Examination	1	7	1	8
Final Examination	1	7	1	8
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Explain the basic information about crop production.
2	Categorize horticultural and field crops.
3	To be able to comprehend the techniques of crop production for garden plants and field crops.
4	To be able to comprehend the principles of production.
5	To be informed about new tools and methods.

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
P1	3	3	3	3	3
P2	4	4	4	4	4
P3	4	4	4	4	4
P4	3	3	3	3	3
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	3	3	3	3	3
P8	4	4	4	4	4
P9	5	5	5	5	5
P10	3	3	3	3	3
P11	2	2	2	2	2
P12	4	4	3	3	3
P13	3	3	3	3	3

