



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Horticultural Plants							
Course Code		FY105		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		Giving knowledge on description of horticulture plants, impregnation biology, production and growing an eceological demands							
Course Content		Some informations about identification and classifications of horticultural plants, effects of horticulture on economy, biological characteristics of plants, ecological requests of plants, soil and soil types, cultivation, salinity, irrigation,, winter and summer fruits and vegetables are given in this lesson for base to the other lessons							
Work Placement		Students must have to complete their internship within the required time and properties. The required rules are describes at the Adnan Menderes University, Sultanhisar Vocational School, Student Internship Instructions.							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Prof. Oğuz DOLGUN							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Course notes of Lecturers
2	Internet

Week	Weekly Detailed Course Contents	
1	Theoretical & Practice	Description and classifications of horticultural plants, effects on economy
2	Theoretical & Practice	Biological characteristics, Origin of flower, flower structure, gender
3	Theoretical & Practice	Flower types, germ formation, pollening, fertilizing,
4	Theoretical & Practice	Infertility, imcompatibility Seed, Fruit, parthenocarpy, apomixis,
5	Theoretical & Practice	Ecological demands, temperature Light, moisture, weather moisture, soil moisture, wind, salinity, optimum temperature, extreme temperature and effects on plants
6	Theoretical & Practice	Soil, soil types, Soil frazzle, soil reactions Special ecological demands of Fruits Special ecological demands of vegetables
7	Theoretical & Practice	Propagation techniques of horticultural plants (Seed propagation)
8	Theoretical & Practice	Propagation techniques of horticultural plants (Vegetative propagation)
9	Theoretical & Practice	Propagation techniques of horticultural plants (Vegetative propagation)
10	Theoretical & Practice	Establishment of orchards
11	Theoretical & Practice	Establishment of vegetable garden
12	Theoretical & Practice	Annual maintenance works in fruit and vegetable gardens
13	Theoretical & Practice	Annual maintenance works in vegetable gardens
14	Theoretical & Practice	Harvest

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Land Work	3	5	0	15
Midterm Examination	1	8	1	9



Final Examination	1	8	1	9
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Recognizing horticulture plants, Learning ecological demands and learning classifications
2	Learning biological characteristics
3	Learning ecological characteristics
4	Learning special ecological demands
5	Having knowledge on flowering, fruit set, fruit loses
6	Having knowledge on ripening and storage

Programme Outcomes (Plant Protection)

1	To be able to learn about systematics, morphological, biological, ecological and epidemiological information about diseases, pests and weeds that cause the loss of the crop at every stage of production,
2	To be able to become familiar with agricultural management control methods and their use in control of plant diseases, pests and weeds in cultivated agricultural crops,
3	To be able to diagnose and identify plant diseases, insect, mite or nematode pests or weeds that cause economical losses in stored crops and products,
4	To be able to use pesticides safely and effectively and informed about their hazardous non-target effects on the environment and human health.
5	To be able to learn plant protection products and their practice in organic agriculture,
6	To be able to evaluate the information obtained throughout the learning process with cause-effect relations, to be able to collect data and transfer the results to practice, and to predict where, when and why to use the information
7	To be able to comply with professional, cultural, social ethic rules in his / her field and to be entrepreneurial
8	To be able to have conscious of the universality of social rights, social justice, quality and cultural values, environment protection, occupational health and safety issues
9	To be able to use information and communication technologies together with the required computer software of his / her field
10	To be able to have the necessary background and qualifications to work in public and private agriculture sectors, to be able to conduct a study independently / as a team member and to be able to comply with the relevant legislation

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
P6	4	4	4	3	3	3
P7	2	3	3	3		3
P10	2	3	3	3		

