



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 ecological 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)	Lec. Şebnem Nalan AKAROĞLU, Prof. Oğuz DOLGUN								

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Course notes of Lecturers
2	Internet

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

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 losses
6	Having knowledge on ripening and storage

Programme Outcomes (Seedling Production)

1	Having knowledge of physiology and morphology characteristics, growth, development and biochemical events occurred in fruits, vegetables and ornamentals plants
2	Having knowledge of soil, climate and irrigation conditions grown fruits, vegetables and ornamentals plants
3	Having knowledge of identification, classification and the use areas of fruits, vegetables and ornamentals plants
4	Having practical and theoretical knowledge of production techniques of fruits, vegetables and ornamentals plants
5	Having ability to identify and to maintain diseases and pests of fruits, vegetables and ornamentals plants
6	Having knowledge of marketing techniques, standards, contributions to the economy of fruits, vegetables and ornamentals plants, legal issues
7	Having knowledge of facilities and builds grown fruits, vegetables and ornamentals plants, and tools and materials used.
8	Having ability to use effective own language and having knowledge of language in order to communicate own colleagues and own customers,
9	Having knowledge of Atatürk Principle and Revolutions and, ability to assimilate Atatürk Principle and Revolutions
10	Having an enough foreign language to able to follow new development in relation with nursery production

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
P2			5	5	4
P3	3	3			
P4			5	4	

