



**AYDIN ADNAN MENDERES UNIVERSITY  
SULTANHISAR VOCATIONAL SCHOOL  
PLANT AND ANIMAL PRODUCTION  
SEEDLING PRODUCTION  
COURSE INFORMATION FORM**

Course Title	Plant Protection								
Course Code	FY104			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 (Hours)	Theory	3	Practice	1	Laboratory	0
Objectives of the Course	Definition of plant protection concepts, learning harmful effects of biotic and abiotic materials in the plants and making conclusions relating control methods have been purposed for the lesson								
Course Content	About plant protection concepts, identifying plant pathogens and control plant subject have been given								
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), Discussion, Individual Study, Problem Solving								
Name of Lecturer(s)	Ins. Hüseyin YERLİKAYA								

#### Assessment Methods and Criteria

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

#### Recommended or Required Reading

1	Karaca, İ. 2011. Entomoloji. Anadolu Üniversitesi Yayınları; Solar, F.S., 2011 Fitopatoloji. Anadolu Üniversitesi Yayınları;
2	Öncüler, C., 2008. Tarımsal Zararlılarla Savaş Yöntemleri ve İlaçları. ADÜ yayınları, No:28.;
3	Öğretim elemanı ders notları

Week	Weekly Detailed Course Contents	
1	Theoretical	Principles and concepts of plant protection
2	Theoretical	Abiotic materials caused plant pathogenesis
3	Theoretical	Plant fungi
4	Theoretical	Plant bacteria
5	Theoretical	Plant virus and viroids
6	Theoretical	Herbs
7	Theoretical	Principles characteristics of harmful insects in plant
8	Intermediate Exam	Midterm
9	Theoretical	Insects mouths and feeding types
10	Theoretical	Mites
11	Theoretical	Nematodes
12	Theoretical	Snails and Slugs
13	Theoretical	Principles and methods of agricultural protection Quarantine Cultural control Physical control
14	Theoretical	Biological control Botechnique control
15	Theoretical	Chemical control
16	Final Exam	Final Exam

#### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Lecture - Practice	14	0	1	14
Laboratory	2	9	0	18
Midterm Examination	1	9	1	10



Final Examination	1	15	1	16
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Know plant protection concept
2	Know biotic and abiotic materials
3	Capability to recognize plant pests
4	Capability to recognize plant pathogens
5	Know control methods against plant pathogens

### 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	4	4	4	4	4
P5	5	5	5	5	5

