



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Plant Protection							
Course Code		TAP104		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	80 (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		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Ö. Alaoğlu, N. Poyraz, A. Güncan, K. Baştaş, 2018. Bitki Koruma. Atlas Akademi Yayınları. 285 pages.
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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 pathogen bacteria
5	Theoretical	Plant pathogen viruses and viroids
6	Theoretical	Weeds
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 Fighting Techniques and Errors
16	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Lecture - Practice	14	1	1	28
Midterm Examination	1	3	1	4
Final Examination	1	5	1	6
Total Workload (Hours)				80
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	To be able to perceive the concepts of plant protection, harmful and useful
2	To learn the concept of disease in plants, what factors in plants to form a symptom of disease and the problem of weeds to gain knowledge of what is



3	To be able to comprehend pests, disease factors and weed control methods
4	Be able to recognize insects that are harmful to plants
5	Understanding of ecological control methods against pests in plants

**Programme Outcomes (Medical and Aromatic Plants)**

1	Understands the importance of medicinal and aromatic plants in the World and Turkey
2	Learn about the general characteristics of medicinal and aromatic plants. Learn the important issues in cultivation and can apply.
3	Learn about usage technologies about medicinal and aromatic plants and can apply.
4	Inform of producers of medicinal and aromatic plant species in offering, material supply, production process, marketing matter.
5	Know and follow the laws and regulations pertaining to the profession.
6	Learns morphological and anatomical structures of plants.
7	Learns to identify medicinal and aromatic plants.
8	To be able to behave sensitively towards environmental issues at national and global levels and to be able to interpret solution-oriented information; to be able to be an environmentally conscious and entrepreneurial individual
9	To be able to follow, evaluate and implement new developments and applications in the cultivation of medicinal and aromatic plants independently or as a team.

**Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High**

	L1	L2	L3
P2	4	4	4
P4	3	3	3
P8	4	4	4
P9	4	4	4

