AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	General Plant Protection								
Course Code	TAB207		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	5	Workload	125 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	Insects, animal pests, weeds and diseases of plants cause considerable losses. Therefore,the aim is to describe the general features of these creatures, and to determine methods of control.								
Course Content	Insects, nematodes, mites, general characteristics, life styles, development, reproduction and relationships with the environment, pest management, the importance of plant diseases, disease agents, the formation of plant diseases and their symptoms, weeds damage, Control methods of plant pathogens and weeds.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study								
Name of Lecturer(s)	Lec. Birsen GEÇİOĞLU ERİNCİK, Lec. Fulya KAYA APAK								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Kansu, A., 1994. Genel Entomoloji. Altıncı Baskı. Kıvanç Basımevi ANKARA, 426s..
2	Demirsoy, A., 1992.Yaşamın Temel Kuralları/ Entomoloji. Meteksan A.Ş. ANKARA, 941s.
3	Öncüer, C., 1987. Genel Entomoloji. Öğrenci Ders Notu, VAN.
4	Öncüer, C., Durmuşoğlu E., 2008. Tarımsal Zararlılarla Savaş Yöntemleri ve İlaçları. Genişletilmiş 6. baskı. A.D.Ü. yayınları, no: 28. 472 s.
5	Döken, M.T., E.Demirci ve H.Zengin, 2005. Fitopatoloji. Atatürk Üniversitesi, Ziraat Fakültesi No:314, ERZURUM 227 s.
6	Çınar, A., 1988. Genel Fitopatoloji. Çukurova Üniversitesi. Ziraat Fakültesi No: 68, ADANA.
7	Bora, T., Özaktan, H.,1998. Bitki Hastalıklarıyla Biyolojik Savaş. Ege Üniversitesi Ziraat Fakültesi , İZMİR, 205s.
8	Hance, R. J., Holly, K., Weed Control Handbook. Blackwell Scientific Publications, Edinburgh, ENGLAND, 582p. (1990). Naylor, R. E. L., Weed Management Handbook. Blackwell Publishing, BCPC, 423p.
9	Agrios, G. N., 1997. Plant Pathology. Fourth Edition. Academic Press. San Diego. USA. 635 p.

Week	Weekly Detailed Course Contents	
1	Theoretical	General description of plant protection General features of plant pests and animal organisms, their biology, damage types
	Practice	Forms of damage on the recognition of animal organisms on plants
	Preparation Work	Preparation of materials about the topic
2	Theoretical	General characterization, biology and damage of Nematoda Phylum General characterization, biology and damage of Acarina subclasses
	Practice	Examination of nematodes and mites damage on plants
	Preparation Work	Preparation of materials about the topic
3	Theoretical	Systematic of the insects
	Practice	Examination of insects
	Preparation Work	Preparation of materials about the topic
4	Theoretical	General characterization, biology, damage and benefit of Insecta classes
	Practice	Examination of insects
	Preparation Work	Preparation of materials about the topic
5	Theoretical	Morphology of insects, Head,thorax, abdomen and their extremities of insects
	Practice	Examination of insects
	Preparation Work	Preparation of materials about the topic
6	Theoretical	Reproduction and development of insects
	Practice	Examination of insects
	Preparation Work	Preparation of materials about the topic

7	Theoretical	Reproduction and development of insects
8	Theoretical	Causes of plant diseases Abiotic plant diseases factors
9	Theoretical	Causes of plant diseases Abiotic plant diseases factors
	Practice	Examination of the plants in the field
	Preparation Work	Preparation of materials about the topic
10	Theoretical	Causes of plant diseases Biotic plant diseases factors
	Practice	Inspection on plants
	Preparation Work	Preparation of materials about the topic
11	Theoretical	Formation and the definition of plant diseases
	Practice	Review of the development of the disease on the plants
	Preparation Work	Preparation of materials about the topic
12	Theoretical	Development of disease
	Practice	Review of the development of the disease on the plants
	Preparation Work	Preparation of materials about the topic
13	Theoretical	Disease symptoms, Control methods of diseases
	Practice	Show the methods of control
	Preparation Work	Preparation of materials about the topic
14	Theoretical	Determination of weeds,production losses caused by weeds
	Practice	Examination of the weeds in the field
	Preparation Work	Preparation of materials about the topic
15	Theoretical	Methods of Weed Control
	Practice	Show the methods of control
	Preparation Work	Preparation of materials about the topic
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	1	2	42
Assignment	4	1	1	8
Land Work	4	1	1	8
Midterm Examination	1	12	1	13
Final Examination	1	25	1	26
			Total Workload (Hours)	125
			[Total Workload (Hours) / 25*] = **ECTS**	5

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	To be able to detect harmful and beneficial concepts in Plant protection
2	To be able to recognize the animal pests which are belong to Nematoda, Annelida, Mollusca, Arthropoda (Arachnida, Insecta), Chordata Phylum's
3	To learn the concept of disease in plants, to be able to gain information about which factors make a sign of disease in plants
4	to gain information on which factors cause diseases and problems created by weeds in plants
5	To be able to attain the main concept of pests, disease and weed control methods

Programme Outcomes *(Organic Agriculture)*

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

	L1	L2	L3	L5
P1	3	1	1	3
P2	2	2	2	2
P3	2	3	3	3
P4	5	5	5	5
P5	5	5	5	5
P6	4	4	4	4
P7	4	4	4	4
P8	4	4	4	4
P9	5	5	5	5
P10	5	4	4	5
P11	3	3	3	5