	PESTS OF	HOR1	TICULTURE PLANTS						
1	Course Title:	PESTS	OF HORTICULTURE PLANTS						
2	Course Code:	BTK4622-Z							
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cycle							
5	Year of Study:	4							
6	Semester:	8							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. ORKUN BARIŞ KOVANCI							
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	baris@uludag.edu.tr Tel: (90) 224-294-15-77 Adres: Bursa Uludağ Üniv., Ziraat Fak. Bitki Koruma Bölümü Görükle kampüsü, Bursa 16059 Türkiye							
17	Website:								
18	Objective of the Course:	The objective of this course is to enable students to recognize harmful arthropods associated with horticultural plantings and to teach them how to manage horticultural pests.							
19	Contribution of the Course to Professional Development:	This class provides the students with the ability to identify pests in the field and to apply control methods.							
20	Learning Outcomes:								
		1	Students will be able; to recognize harmful arthropods associated with horticultural plantings						
		2	To explain the biology and ecology of arthropods associated with horticultural crops						
		3	To characterize types of plant injury and associate it with the arthropod pest that is responsible						
		4	To describe management tactics that are used to minimize injury by arthropod pests						
		5	To know insecticides, acaricides, nematicides, biological control agents, biotechnological methods and tools which are used against horticultural plants pests						
		6	To know choose the appropriate control method to a pest or pest complex						
		7	To design the control programmes against the important pests of horticultural plant						
		8	To know Integrated Pest Management strategies and to gain skill apply to the pest						
		9							
		10							
21	Course Content:								

	Course Content:										
Week	Theoretical		Pra	Practice							
1	Introduction to horticultural pests		Dis	Display of arthropod pests in the laboratory							
2	Spider mites		Spi	Spider mites							
3	Nematodes		Ner	Nematodes							
4	Annelida and Crustacea		Anr	Annelida and Crustacea							
5	General insect pests										
6	Vegetable pests		Aphids								
7	Greenhouse pests		Whiteflies								
8	Pests of ornamental trees and shruk	os	Bark beetles								
9	Soil pests		Bup	Buprestids and Elaterids							
10	Pests of turfgrasses		Lon	ng-horned beetles							
11	Pests of pome fruits		Lep	oidopteran pests							
12	Pests of pome fruits		Pea	ar lacebug and psyllic	d						
13	Pests of stone fruits		Lep	oidopteran pests							
14	Pests of stone fruits		Sca	Scale insects							
<b>22</b> Activit	Textbooks, References and/or Othe Materials:	r 	Uygun, N., 1998. Bahçe Bitkileri Zararlıları, Çukurova Üniversitesi, Ziraat Fakültesi Yayınları Ders Kitabı No: C – 26, 3.Baskı, Adana, 1998, 54 s. Gupta, H. C. L., O. P. Ameta, and V. K. Chechani, 2005. Management of insect pests of horticultural crops Number Duration (hour) Total Work								
					- C - E	Load (hour)					
Theore	ical		1 1	4	2.00	28.00					
Practic	als/Labs		1	4	2.00	28.00					
<b>SERM</b> tl	HEABHNA GETANDIES	NUMBE	WĘ	IGHT	2.00	8.00					
Homew	vorks		1		5.00	5.00					
Broject	s	0	080	0	0.00	0.00					
Field S			1		4.00	4.00					
Midterr	n exams xam	1	601	00	7.00	7.00					
Others			0		0.00	0.00					
Final E	xams oution of Term (Year) Learning Activit	ies to	401	00	10.00	10.00					
Total V	Vork Load					97.00					
E8talriv	เชเซ็อเคลีย์ Final Exam to Success Grad	le	60.0	00		3.00					
	Credit of the Course					3.00					
Course				Determination of output / achievement with multiple choice exams and assignments							
24	ECTS / WORK LOAD TABLE										
25	CONTRIBUTION	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS									

## QUALIFICATIONS PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16 ÖK1 ÖK2 ÖK3

Contrib 1 very low ution Level:			2 low		3 Medium		4 High		5 Very High							
LO: Learning Objectives PQ: Program Qualifications																
ÖK8	0	0	2	0	0	0	0	0	4	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
ÖK6	0	0	4	0	0	0	0	0	0	4	0	0	0	0	0	0
ÖK5	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	5	0	0	4	0	0	0	0	0	0	0	0	0	0