

PESTS OF HORTICULTURE PLANTS

1	Course Title:	PESTS OF HORTICULTURE PLANTS
2	Course Code:	BTK4622-Z
3	Type of Course:	Compulsory
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: 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:	
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, nematocides, 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	
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21	Course Content:	

	Course Content:	
Week	Theoretical	Practice
1	Introduction to horticultural pests	Display of arthropod pests in the laboratory
2	Spider mites	Spider mites
3	Nematodes	Nematodes
4	Annelida and Crustacea	Annelida and Crustacea
5	General insect pests	
6	Vegetable pests	Aphids
7	Greenhouse pests	Whiteflies
8	Pests of ornamental trees and shrubs	Bark beetles
9	Soil pests	Buprestids and Elaterids
10	Pests of turfgrasses	Long-horned beetles
11	Pests of pome fruits	Lepidopteran pests
12	Pests of pome fruits	Pear lacebug and psyllid
13	Pests of stone fruits	Lepidopteran pests
14	Pests of stone fruits	Scale insects

22	Textbooks, References and/or Other Materials:	<p>Uygun, N., 1998. Bahçe Bitkileri Zararlıları, Çukurova Üniversitesi, Ziraat Fakültesi Yayınları Ders Kitabı No: C – 26, 3.Baskı, Adana, 1998, 54 s.</p> <p>Gupta, H. C. L., O. P. Ameta, and V. K. Chechani, 2005. Management of insect pests of horticultural crops</p>
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Activities		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	2.00	28.00
Practicals/Labs		14	2.00	28.00
Self study and preparation		4	2.00	8.00
Homeworks		1	5.00	5.00
Projects	0	0.00	0.00	0.00
Quiz	0	0.00	0.00	0.00
Field Studies		1	4.00	4.00
Midterm exams		1	7.00	7.00
Final Exam		1	6.00	6.00
Others		0	0.00	0.00
Final Exams		1	10.00	10.00
Contribution of Term (Year) Learning Activities to		40.00		
Total Work Load				90.00
Total work load/30 hr				3.00
Contribution of Final Exam to Success Grade		60.00		3.00
ECTS Credit of the Course				3.00

Measurement and Evaluation Techniques Used in the Course	
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24	ECTS / WORK LOAD TABLE
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ÖK4	0	0	5	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	4	0	0	0	0	0	0	4	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
ÖK8	0	0	2	0	0	0	0	0	4	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			