

## PESTS OF HORTICULTURAL CROPS

<b>1</b>	Course Title:	PESTS OF HORTICULTURAL CROPS	
<b>2</b>	Course Code:	BTKZ120	
<b>3</b>	Type of Course:	Compulsory	
<b>4</b>	Level of Course:	Short Cycle	
<b>5</b>	Year of Study:	2	
<b>6</b>	Semester:	4	
<b>7</b>	ECTS Credits Allocated:	4.00	
<b>8</b>	Theoretical (hour/week):	2.00	
<b>9</b>	Practice (hour/week):	2.00	
<b>10</b>	Laboratory (hour/week):	0	
<b>11</b>	Prerequisites:	Yok	
<b>12</b>	Language:	Turkish	
<b>13</b>	Mode of Delivery:	Face to face	
<b>14</b>	Course Coordinator:	Öğr.Gör. HAKAN ERDOĞAN	
<b>15</b>	Course Lecturers:	Öğ.Gör. Hakan ERDOĞAN	
<b>16</b>	Contact information of the Course Coordinator:	Öğ.Gör. Hakan ERDOĞAN	
<b>17</b>	Website:		
<b>18</b>	Objective of the Course:	The aim of this course is to enable students recognize horticultural pests and to teach methods of control.	
<b>19</b>	Contribution of the Course to Professional Development:		
<b>20</b>	Learning Outcomes:		
		<b>1</b>	Students know the arthropods harmful to horticultural plants;
		<b>2</b>	Learn the biology and ecology of arthropods which are harmful to horticultural plants;
		<b>3</b>	Distinguish the types of damage by seeing how arthropods damage the horticultural plants;
		<b>4</b>	Explain the methods used in the control of arthropod pests in horticultural plants;
		<b>5</b>	Knows the insecticide, acaricide, nematocide, biological control agents, biotechnological methods and tools used against horticultural pests;
		<b>6</b>	Knows to choose the appropriate control methods for the pest or pest group;
		<b>7</b>	Prepare control programs against important pests in horticultural crops;
		<b>8</b>	Knows integrated control strategies and gains ability to apply them against pests;
		<b>9</b>	
		<b>10</b>	
<b>21</b>	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
<b>1</b>	Introduction to horticultural pests	Demonstration of arthropod pests in the laboratory	
<b>2</b>	mites	Laboratory, greenhouse and field investigations	

3	nematodes	Laboratory, greenhouse and field investigations
4	General insect pests	Laboratory, greenhouse and field investigations
5	Vegetable pests	Laboratory, greenhouse and field investigations
6	Pests of greenhouse plants	Laboratory, greenhouse and field investigations
7	Garden and ornamental plants pests	Laboratory, greenhouse and field investigations
8	Garden and ornamental plants pests	Laboratory, greenhouse and field investigations
9	Underground pests	Laboratory, greenhouse and field investigations
10	Pome-fruit pests	Laboratory, greenhouse and field investigations
11	Pome-fruit pests	Laboratory, greenhouse and field investigations
12	Pests of stone fruits	Laboratory, greenhouse and field investigations
13	Pests of stone fruits	Laboratory, greenhouse and field investigations
14	General review	Laboratory, greenhouse and field investigations

22	Textbooks, References and/or Other Materials:	Uygun, N., 1998. Bahçe Bitkileri Zararlıları, Çukurova Üniversitesi, Ziraat Fakültesi Yayınları Ders Kitabı No: C-26, 3.Baskı, Adana, 1998
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23	Assesment
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TERM LEARNING ACTIVITIES		NUMBER	WEIGHT			
Midterm Exam		1	40.00			
Quiz		0	0.00			
Home work-proiect		0	0.00			
Activites			Number	Duration (hour)	Total Work Load (hour)	
Contribution of Term (Year) Learning Activities to Overall Success Grade			40.00	2.00	28.00	
Practicals/Labs			14	2.00	28.00	
Contribution of Final Exam to Success Grade			10.00	2.00	28.00	
Self study and preperation			14	1.00	14.00	
Homeworks			0	0.00	0.00	
Measurement and Evaluation Techniques Used in the Projects			0	0.00	0.00	
Field Studies			14	1.00	14.00	
Midterm exams			1	10.00	10.00	
Others			0	0.00	0.00	
Final Exams			1	15.00	15.00	
Total Work Load					123.00	
Total work load/ 30 hr					4.10	
ECTS Credit of the Course					4.00	

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	2	3	1	1	2	3	2	2	1	0	0	0	0	0	0
ÖK2	2	1	2	0	2	2	3	2	2	1	0	0	0	0	0	0
ÖK3	4	1	2	0	2	1	2	0	1	0	0	0	0	0	0	0
ÖK4	2	1	1	0	1	3	5	3	2	1	0	0	0	0	0	0

ÖK5	5	3	3	0	1	4	4	3	2	1	0	0	0	0	0	0
ÖK6	3	2	2	0	3	3	4	1	1	1	0	0	0	0	0	0
ÖK7	2	1	1	0	2	3	3	3	0	1	0	0	0	0	0	0
ÖK8	5	3	3	2	2	3	3	3	3	2	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			