

ECOLOGY AND EPIDEMIOLOGY OF INSECTS

1	Course Title:	ECOLOGY AND EPIDEMIOLOGY OF INSECTS	
2	Course Code:	BTK3608	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	6	
7	ECTS Credits Allocated:	1.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. NİMET SEMA GENÇER	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	e-mail:nsgencer@uludag.edu.tr tel: (90) 224 29 41 574 Adres :Bursa Uludağ Üniversitesi Ziraat Fakültesi Bitki Koruma Bölümü Görükle Kampüsü 16059 BURSA/ TÜRKİYE	
17	Website:		
18	Objective of the Course:	The aim of the course is to give knowledge about how agricultural pests is impressed by environmental conditions and provide their ability of evaluate about knowledge within the scope of plant protection	
19	Contribution of the Course to Professional Development:	It will contribute to future studies and researches on this subject.	
20	Learning Outcomes:		
		1	Adapting base ecological theories and concepts on agricultural pest life cycle.
		2	Comprehending effects of ecological factors on pests
		3	Comprehending relationships between ecological factors and pests and explicating it in terms of plant protection
		4	Establishing relationship between ecological factors and population of pests
		5	Evaluating effect of ecological factors in application plant protection methods
		6	To know choose the appropriate control method
		7	To improve the ability of commenting on data
		8	To know produce solutions to problems
		9	Creating an article, report and Project and evaluating these
		10	To undertake responsibility about his job
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	Theoretical :Definition of ecology, base theories and concepts	
2	Subject and subdivision of ecology, autoecology	
3	Overage of reproductive of pests	
4	Being high of survival ability of pests	
5	Effect of environmental factors on pests, abiotic factors, temperature,water	
6	Climatic ecological factors, wind	
7	Climatic ecological factors, photoperiod, atmosphere gases, gravity and atmospheric pressure	
8	Repeating courses and midterm exam	
9	Climatic ecological factors, physicochemistry and soil	
10	Biotic factors, food factor	
11	Biotic factors, interrelations of organisms, competition, commensalism, mutualism, parasitoidism	
12	Biotic factors, population density	
13	Biotic factors, reasons of epidemiology	
14	Estimating of term papers	
22	Textbooks, References and/or Other Materials:	Böcek Çevrebilimi(Böcek Ekolojisi)1. Birey ekolojisi, Prof. Dr. İ.Akif KANSU), The ecology of Insect overwintering (S.R.Leather et al.) Insect Ecology (Price, P.W.)
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
Midterm Exam		1
Quiz		0
Home work-project		1
Final Exam		1
Total		3
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		It is evaluated according to the principles of the Associate and Undergraduate Education Regulation of Bursa Uludag University.
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	5	1.00	5.00
Homeworks	1	3.00	3.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	4.00	4.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			40.00
Total work load/ 30 hr			1.20
ECTS Credit of the Course			1.00

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			