## POPULATION MONITORING AND EXPERIMENT METHODS IN ENTOMOLOGY

1	Course Title:	POPULATION MONITORING AND EXPERIMENT METHODS IN ENTOMOLOGY									
2	Course Code:	BIT5014									
3	Type of Course:	Optional									
4	Level of Course:	Second	Cycle								
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	6.00	6.00								
8	Theoretical (hour/week):	3.00									
9	Practice (hour/week):	0.00	0.00								
10	Laboratory (hour/week):	0									
11	Prerequisites:	None									
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	face								
14	Course Coordinator:	Prof. Dr.	İSMAİL ALPER SUSURLUK								
15	Course Lecturers:	-									
16	Contact information of the Course Coordinator:	susurluk@uludag.edu.tr (0 224) 294 15 79 Uludağ Üniversitesi, Ziraat Fakültesi, Bitki Koruma Bölümü									
17	Website:										
18	Objective of the Course:	The students estimate populations of insect, mite or nematode which live on plants, crops or in soil and follow population variations with scientific methods. In this way students can be informed of using scientific methods to follow the economic injury level, emergence adult and other biological stage. Furthermore they can design an experiment and evaluate data, obtained experiment different methods.									
19	Contribution of the Course to Professional Development:	Graduates will gain the ability to experiment, make and evaluate thanks to this course.									
20	Learning Outcomes:										
		1	To know techniques to estimate population of insect, mite or nematode which exist somewhere.								
		2	To learn sampling from plant or soil in terms of entomology.								
		3	To know relations of plant and relevant sampling.								
		4	To learn traps which are used for sampling.								
		5	To learn design of an experiment and what they are remarkable.								
		6	To learn collection of data and which statistical methods are used.								
		7	To commentate entomologically of results of experiments.								
		8									
		9									
		10									
21	Course Content:										
		Co	ourse Content:								
Week	ek Theoretical Practice										

1	What monitoring of population is and why it is important are taught.																	
2	Using methods for monitoring of populations are taught.																	
3	What sampling methods are and how it uses are taught.																	
4	Samp	Sampling methods are taught (1).																
5	Samp	oling	ı meth	nods a	re tau	ght (2)	•											
6	Using	tra	ps for	samp	ling a	re taug	jht (1)											
7	Using	, tra	ps for	samp	ling a	re taug	ht (2)											
8	Using	, tra	ps for	samp	ling a	re taug	ht (3)	•										
9	The p are ta	The precautions which are reduced trial error are taught.																
10	Using are le	Using statistical methods in an experiment are lectured (1).																
11	Using are le	Using statistical methods in an experiment are lectured (2).																
12	Interp obtair	Interpretation of results of experiments with obtained data is taught (1).																
13	Interp obtair	Interpretation of results of experiments with obtained data is taught (2).																
14	-																	
22	Textb	ook	s. Re	ferenc	es an	d/or Ot	ther		En	tomolo	oiide Po	opülasv	on Tak	ibi ve Ö	Örneklei	ne		
Activit	Activites								1	Numb	ber	;	Duration (hour)			Total Work Load (hour)		
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Practic	Practicals/Labs								(	0				0.00			0.00	
Selfst	Self study and preperation								0.0	0.00				5.00			50.00	
Homew	Homeworks								1	1				25.00			25.00	
<b>Broject</b>	Projects							0.6	0.80			0.00			0.00			
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<del>T</del> 8ŧal w	gtal work load/ 30 hr								10	0.00					ł	5.90		
ECTS (	CTS Credit of the Course														(	6.00		
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24	ECT	<b>S /</b>	WOI	RK L	OAD	TAB	LE											
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	QUALIFICATIONS																	
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ÖK2	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	0		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	4	0	0	0	3	0	0	0	0	0	0	0	0
ÖK7	3	0	0	4	0	0	0	3	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High			