			JSED IN ESTIMATION INSECT					
1	Course Title:	ECOLO(GICAL METHODS USED IN ESTIMATION INSECT					
2	Course Code:	BIT5008						
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						
8	Theoretical (hour/week):	3.00						
9	Practice (hour/week):	0.00						
10	Laboratory (hour/week):	0						
11	Prerequisites:							
12	Language:	Turkish						
13	Mode of Delivery:	Face to	face					
14	Course Coordinator:		ORKUN BARIŞ KOVANCI					
15	Course Lecturers:	Prof.Dr.	ORKUN BARIŞ KOVANCI					
16	Contact information of the Course Coordinator:							
17	Website:							
18	Objective of the Course:	The main objective of this course is to introduce basic concepts on insect ecology, the discrepancies between sampled and estimated values and analysis methods. Among other objectives are to explain the importance of the life tables and biological diversty from pest control point of view.						
19	Contribution of the Course to Professional Development:							
20	Learning Outcomes:							
		1	Students will have a solid knowledge of fundamental concepts, controversies in sampled and estimated values, and analysis techniques in population ecology.					
		2	To learn how relate the data obtained from insect sampling techniques to insect population growth models.					
		3	To have a clearer understanding of the principles and purposes of population models and parameter estimation techniques.					
		4	To gain the ability of creating insect life tables and understand the main concepts.					
		5	To establish models based on the relationships between the abiotic or biotic factors affecting the insect populations.					
		6	Establishing relationship between ecological factors and populations of pests.					
		7	Using knowledge about population features of pests in agriculture control.					
		8	Creating an article, report and project, and evaluating these.					
		9						
		10						
21	Course Content:							
		Co	ourse Content:					

Week	Theoretical									Practice								
1	Basic ecolo		minolo	ogy of	insec	t popul	lation											
2	Insec	t po	pulati	on eco	ology													
3	Insec	t sa	mplin	g tech	nique	s												
4	Envir	onm	ent, I	nsect	distrib	oution a	and ar	alysis	3									
5	Biotic and abiotic factors affecting inset populations																	
6	Predation, competition and population estimates																	
7	Insect conservation biology																	
8	Population fluctuations																	
9	Meth	ods	used	in pop	ulatio	n estin	nation											
10	Popu	llatio	n gro	wth ar	nd via	bility a	nalysis	3										
11	Meta	рорі	ulation	าร														
12	The e	evalu	uation	of ins	ect po	opulatio	on dyr	namic	s									
13	Insec	t life	table	s														
14	Stude	ent p	reser	ntation	S													
22	Textk Mate			ferenc	es an	d/or O	ther											
	Asse																	
Activit	Activites								Numb	er		Dura	ition (Total Work Load (hour)			
Theore	tical						0		0.0	18			3.00	3.00			42.00	
Practica		bs								0			0.00	0.00			0.00	
Self st	ıdy,an	id pr	epera	ition			1		80	P ₀₀			5.00	5.00			40.00	
Homew										1			30.00	30.00			30.00	
ERNIERS	Sution	of To	erm (`	Year) I	Learn	ina Act	tivities	to	20	000			0.00	0.00			0.00	
Field S			<u> </u>							6			3.00			18.00		
Widte ns	n (PX)	⊘ SFi	nal E	xam to	Suc	cess G	rade		80	Q00			0.00			0.00		
Others										0			0.00	0.00			0.00	
Final E	xams	nt an	d Eva	luatio	n Tec	hniaue	s Use	d in th	ne	1			50.00	50.00			50.00	
Final Exams Measurement and Evaluation Techniques Used in the Total Work Load															180.00			
T 24 w	⊤d241 wHECT563//3WKORK LOAD TABLE															6.00		
ECTS	ECTS Credit of the Course															6.00		
25			(CON	TRIE	BUTIC	N OI			IING LIFIC			S TO I	PROC	SRAM	ME		
	F	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
ÖK1	0)	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	0)	2	0	0	0	0	0	5	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	2	0	0	0	0	0	0	0	0	0	0	
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Contrib 1 very low ution Level:			2	2 low		3	Medium		4 High			5 Very High				
LO: Learning Objectives PQ: Program Qualifications																
ÖK8	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0
ÖK7	5	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0