

DIAPAUSE IN INSECTS

1	Course Title:	DIAPAUSE IN INSECTS
2	Course Code:	BIT6007
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
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:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç.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 Uludağ Üniversitesi Ziraat Fakültesi Bitki Koruma Bölümü Görükle Kampüsü Adres :16059 BURSA/ TÜRKİYE
17	Website:	
18	Objective of the Course:	The aim of the course is to give knowledge about characteristics of diapause and relationships between ecological factors and insects
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To know the type and stages of diapause
	2	To know characteristics of diapause
	3	To know the effects of environmental factors on insects
	4	To know about insect behaviour
	5	Comprehending effects of ecological factors on insects
	6	Comprehending relationships between ecological factors and insects and explicating it in terms of plant protection
	7	Evaluating effect of ecological and biological factors in application plant protection methods
	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	Definitions, Terminology and Classification of Diapause	
2	Characteristics of Diapause	
3	Diapause stage and sensitive stage	

4	Environmental cues	
5	The stimuli controlling diapause and overwintering	
6	Advantages and disadvantages of overwintering	
7	The winter habitat	
8	Effects of local habitat	
9	Photoperiodism and diapause	
10	Temperature and Moisture	
11	Biotic cues	
12	Hormonal control of diapause	
13	Role of moulting hormone in larval,pupal and adult diapause	
14	Role of juvenile hormone in larval,pupal and adult diapause	

22	Textbooks, References and/or Other Materials:	Insect Photoperiodism(Stanley D.Beck) , Insect dormancy, The Ecology of Insect Overwintering (Leather,S.R.,Walters,K.F.A.,Bale,J.S.)
----	---	--

23	Assesment
----	-----------

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
--------------------------	--------	--------

Activites	Number	Duration (hour)	Total Work Load (hour)
-----------	--------	-----------------	------------------------

Theoretical	1	80.00	3.00	42.00
-------------	---	-------	------	-------

Practicals/Labs	0	0.00	0.00
-----------------	---	------	------

Self study and preparation			
Contribution of these activities to Learning Activities to	2000	6.00	48.00

Homeworks	1	10.00	10.00
-----------	---	-------	-------

Contribution of Final Exam to Success Grade	80000	0.00	0.00
---	-------	------	------

Field Studies	2	3.00	6.00
---------------	---	------	------

Midterm exams	0	0.00	0.00
---------------	---	------	------

Others	0	0.00	0.00
--------	---	------	------

24 ECTS / WORK LOAD TABLE			
Final Exams	1	40.00	40.00

Total Work Load			146.00
-----------------	--	--	--------

Total work load/ 30 hr			4.87
------------------------	--	--	------

ECTS Credit of the Course			6.00
---------------------------	--	--	------

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS
----	---

[illegible]

ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
ÖK8	3	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0
ÖK10	0	0	0	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			