

#### AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Entomophago	us Insects								
Course Code	ZBK559		Couse Level		Second Cycle (Master's Degree)					
ECTS Credit 8	Workload	203 (Hours)	Theory	'	3	Practice		0	Laboratory	0
Objectives of the Course In this course, feeding a explained.			pehavior	r chara	acteristics	of entom	nopha	gous and rela	tions among spe	ecies are
Course Content	In this course behaviour of in food plant, the predators, the	some termino nsect parasito relations bety families of pa	logy of p ids and ween na rasitoid	parasit predat atural e and p	oids, mor tors are fo enemies, s redator ar	phology a cused ar some biol thropods	and pl nd the logica s are p	hysiology of p effects to nat I characteristionesented.	arasitoids and p tural enemies of cs of parasitoids	redators, the host's and
Work Placement	N/A									
Planned Learning Activities and Teaching Methods			Explan	ation (	Presentat	ion), Der	nonst	ration, Discus	sion	
Name of Lecturer(s)										

### **Assessment Methods and Criteria**

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

#### **Recommended or Required Reading**

1	Grenier, S., P.D. Greany and A.C. Cohen, 1994. Potential formass release of insect parasitoids and predators through development of artificial culture techniques (.Ed.: Rosen, D., F.D. Bennett, J.L. Capinera).
2	Clausen, C.P., 1962. EntomophagousInsects. Hafner Publishing Co., Inc., New York.
3	Quicke, D.L.J., 1997. ParasiticWasps. ChapmanandHall, London, UK, 470 pp.
4	Jervis, M. and N. Kidd, 1996. Insect Natural Enemies. ChapmanandHall, London, UK.

Week	Weekly Detailed Cours	se Contents
1	Theoretical	Introduction
2	Theoretical	Terminology of parasitoids
3	Theoretical	Behaviours of insectparasitoidsandpredators (host/preyfinding)
4	Theoretical	Behaviours of insectparasitoidsandpredators (feeding)
5	Theoretical	The effectst onaturalen emies of thehost'sfoodplant.
6	Theoretical	Therelationswitheachother of naturalenemies
8	Intermediate Exam	QUIZ
9	Theoretical	Somebiologicalcharacteristics of predators
10	Theoretical	Effectedfactors on fecundity, longevity, growthanddevelopment
11	Theoretical	Effectedfactors on fecundity, longevity, growthanddevelopment
12	Theoretical	Host defencereactions
13	Theoretical	ParasitoidArthropods
14	Theoretical	ParasitoidArthropods
15	Theoretical	PredatorArthropods
16	Final Exam	Final Exam

#### **Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Term Project	1	20	1	21
Quiz	2	10	2	24
Midterm Examination	1	50	1	51



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Final Examination	1	50	1	51	
		To	tal Workload (Hours)	203	
		[Total Workload (	Hours) / 25*] = <b>ECTS</b>	8	
*25 hour workload is accepted as 1 ECTS					

Learn	earning Outcomes	
1	1 to be able to recognize the mass rearing conditions of entomophagous species.	
2	2 To know some basic physiological and biological properties of Entomophag species	
3	3	
4	4 to be able to recognize the entomophag species belonging family characteristics	
5	5	

## Programme Outcomes (Plant Protection Master)

1	To develop knowledge and abilities that gained during undergraduate education
2	To gain ability to search and pursue current literature
3	To gain ability to plan and write projects that help solving problems in field of study.
4	To gain ability to conduct research, analyze data, evaluate research results scientifically and preapare reports and thesis writing.
5	Students will be able to learn and apply the laboratory test and analysis methods
6	To recognize occupational and ethical responsibility

# Contribution of Learning Outcomes to Programme Outcomes 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

	L1	L2	L3	L4	L5	
P1	2	2	2	2	2	
P2	3	3	3	3	3	
P3	5	5	5	5	5	
P4	5	5	5	5	5	
P5	4	4	4	4	4	
P6	4	4	4	4	4	