

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Ectoparasites And Protozoer Infections Of Bees							
Course Code VPR608			Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit 5	Workload	122 (Hours)	Theory 2		Practice	0	Laboratory	0
Objectives of the Course	Objectives of the Course Understands the biology and morphology of ecttoparazites and protozoans of bees, symptoms of bee diseases they cause, diagnosis, treatment and control measures.					of bee		
Course Content Morphology and biology of diseases they cause in bee Malphighomoeba ve Nosen			s, diagnosis,	treatment	and control me	thods, disea	ases caused by	mptoms of
Work Placement N/A								
Planned Learning Activities and Teaching Methods			Explanation Problem So		tion), Discussion	on, Case St	udy, Individual Stu	ıdy,
Name of Lecturer(s) Prof. Nuran AYSUL								

Assessment Methods and Criteria						
Method	Quantity	Percentage (%)				
Midterm Examination	1	15				
Final Examination	1	60				
Quiz	2	10				
Assignment	6	15				

Recommended or Required Reading

- Scott-Dupree C. (1996). Honey bee diseases and pests. Ontario, The Canadian Association of Professional Apiculturists, 538 p.
- 2 Morse, R.A., Flottum K. (1997). Honey bee pests, predators, and diseases. Medina, OH, A.I. Root Co. 718 p.

Week	Weekly Detailed Cour	se Contents
1	Theoretical	Biology of bees
2	Theoretical	Collection, storage and transportation of samples from bees
3	Theoretical	Nosema- I
4	Theoretical	Nosema- II
5	Theoretical	Malpighamoeba
6	Theoretical	Gregarine'ler
7	Theoretical	Falgellalılar
8	Intermediate Exam	Midterm exam
9	Theoretical	Varroa
10	Theoretical	Acarapis Woodi-Trake Akar
11	Theoretical	Tropilaelaps clarea
12	Theoretical	Braula coeca
13	Theoretical	Meloe varigatus
14	Theoretical	Philanthus triangulum
15	Theoretical	Galleria mellonella
16	Final Exam	Final exam
17	Final Exam	Final exam

Workload Calculation					
Activity	Quantity Preparation		Duration	Total Workload	
Lecture - Theory	14	0	2	28	
Assignment	3	0	4	12	
Reading	14	2	0	28	
Quiz	2	5	0.5	11	
Midterm Examination	1	20	1	21	



Final Examination	1		20	2	22	
			To	tal Workload (Hours)	122	
[Total Workload (Hours) / 25*] = ECTS 5						
*25 hour workload is accepted as 1 ECTS						

Learn	Learning Outcomes						
1	Knows the morphology of parazites infecting bees.						
2	Gains information on important diseases caused by insects						
3	Gains information on how insects infect animals, symptomps and economical aspects of diseases they cause						
4	Knowsdiagnostic methods for these diseases.						
5	Understands the prevetion and control measures						

Progra	ramme Outcomes (Parasitology (Veterinary Medicine) Doctorate)	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

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	5	5	5	5	5
P2	5	5	5	5	5
P3	5	5	5	4	5
P4	5	4	4	3	4
P5	5	5	5	4	5
P6	5	4	4	4	4
P7	3	3	4	5	4
P8	4	4	4	3	4
P9	4	4	4	3	4
P10	5	5	5	5	5
P11	4	4	4	2	4
P12	4	3	4	3	3

