



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Sphinoptera (Fleas)							
Course Code		VPR673		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	3	Workload	73 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Aim of this course is to teach fleas' morpholgy, life cycle, diagnosis, treatment and control methods that lives on domestic animals.							
Course Content		Fleas' morpholgy, life cycle, diagnosis, treatment and control methods that lives on domestic animals.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	60
Quiz	2	10
Term Assignment	4	10

Recommended or Required Reading

1	Tüzer, E., Toparlak, M., Göksu, K. (1997) Veteriner Entomoloji, İstanbul Üniversitesi Veteriner Fakültesi Parazitoloji ABD, İstanbul.
2	Wall, R., D. Shearer, (1997) Veterinary Entomology, Chapman and Hall, Great Britain.

Week	Weekly Detailed Course Contents	
1	Theoretical	Morphology of fleas
	Practice	Film demonstration about fleas
2	Theoretical	Jumping mechanism of fleas
	Practice	Demonstration of a film about jumping mechanism
3	Theoretical	Biology of fleas
	Practice	Video demonstration about fleas
4	Theoretical	Flea species in the world and Turkey
	Practice	Diagnostic criteria for flea species
5	Theoretical	Fleas in cats and dogs
	Practice	Identification of cat and dog flea species
6	Theoretical	Flea species in cattle
	Practice	Identification of flea species in cattle
7	Theoretical	Fleas in sheep and goats
	Practice	Identification of flea species in sheep and goats
8	Theoretical	Midterm exam
	Practice	Midterm exam
9	Theoretical	Fleas species in bird
	Practice	Identification of flea species in birds
10	Theoretical	Fleas in humans
	Practice	Identification of flea species in humans
11	Theoretical	Flea species in rodents
	Practice	Identification of flea species in rodents
12	Theoretical	Treatment of flea infestations
	Practice	Treatment of flea infestations
13	Theoretical	Diseases transmitted by fleas
	Practice	Diseases transmitted by fleas
14	Theoretical	The prevention of flea infestations



14	Practice	The prevention of flea infestations
15	Theoretical	Discussion
	Practice	Discussion
16	Theoretical	Final exam
	Practice	Final exam
17	Theoretical	Final exam
	Practice	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0.5	2	35
Lecture - Practice	14	0	2	28
Assignment	4	0.5	0	2
Quiz	2	0.5	0.5	2
Midterm Examination	1	3	1	4
Final Examination	1	1	1	2
Total Workload (Hours)				73
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Having knowledge morphology and biology of fleas
2	Having knowledge host of fleas
3	Having knowledge Prevention and control in fleas
4	Having knowledge helminths passing through fleas
5	Having knowledge protozoans passing through fleas

Programme Outcomes (Parasitology (Veterinary Medicine) Doctorate)

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



P12	3	2	5	2	2
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