AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Diagnosis Of Insects								
Course Code	VPR653		Couse Level	Third Cycle (Doctorate Degree)					
ECTS Credit	3	Workload	75 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	The objective of this course, learn to diagnostic criteria for the harmful insects in human and domestic animals and identify, a knowledge of their morphology								
Course Content	Harmful insects to man and domestic animals, Culicidae, Cerotopogonidae, Simuliidae, Phlebotomidae, Glossinidae, Muscidae flies, flies myasis externa, Oestridae, diagnostic criteria in insects, structure of antenna, wing, palpable and the sex organs, significant louse and flea species in humans and animals, and diagnostic criteria								
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	1	10
Assignment	1	10

Recommended or Required Reading	
1	YUKARI B.A., EREN H. (2000) Entomoloji Ders Notu no:8, Akdeniz Üniversitesi Veteriner Fakültesi Yayını, Burdur
2	TÜZER, E., TOPARLAK, M., GÖKSU, K. (1997) Veteriner Entomoloji, Ders notu, İstanbul Üniversitesi Veteriner Fakültesi Parazitoloji ABD., İstanbul
3	WALL, R., D. SHEARER, 1997. Veterinary Entomology. Chapman and Hall, Great Britain
4	KAUFMANN, J., 1996. Parasitic Infections of Domestic Animals. Birkhäuser. Switzerland
5	PETERS, W., G. PASVOL, 2002. Tropikal Medicine and Parasitology. Mosby International Limited. China
6	SCHMIDT, G.D. (1985). Foundations of Parasitology

Week	Weekly Detailed Course Contents	
1	Theoretical	Systematics of Insekta class and taxonomy of arthropods in the class
	Practice	Investigation with a stereo microscope the species' genus blatta and periplenata, morphological identification
2	Theoretical	Morphologies of arthropods in series Blattaria and identified
	Practice	Identified species in Mallophaga section series
3	Theoretical	Classification of phthiraptera series, morphology and identification of arthropods in Phthiraptera series
	Practice	Identified species in Mallophaga section series
4	Theoretical	Morphology and identification of species in series section Mallophaga
	Practice	Identified species in Anoplura section series
5	Theoretical	Morphology of genus and species in the family Philopteridae, morphology and diagnose of genus and species in the family Trichodectidae
	Practice	Identified species in Anoplura section series
6	Theoretical	Morphologic criteria of Amblycera the top of the family, systematic, morphology and diagnose of genus and species in the family Gyropidae
	Practice	Wing structures of Culicidae flies and identification
7	Theoretical	Morphology and diagnose of genus and species in the family Menoponidae
	Practice	Wing structures of Cerotopogonidae flies and identification
8	Intermediate Exam	Midterm Examination
9	Theoretical	Morphology and identification of species in series section Anoplura
	Practice	Wing structures of Simuliidae flies and identification

10	Theoretical	Morphology and diagnose of species in the family Culicidae, Cerotopogonidae, Simuliidae, Phlebotomidae
	Practice	Wing structures of Phlebotomidae flies and identification
11	Theoretical	Flies of Glossinidae and Muscidae, morphology and identification of myasis externa flies
	Practice	Wing structures of Glossinidae and Muscidae flies and identification
12	Theoretical	Morphology and identification of myasis externa and myasis interna flies
	Practice	Identified of larvae of Oestridae flies
13	Theoretical	Morphology and identification of Oestridae flies
	Practice	Morphology and identification of myasis externa and myasis interna larvae
14	Theoretical	Morphology and identification of species in Sphonaptera series
	Practice	Identified of species in a series of Sphonaptera
15	Theoretical	Discussion
16	Final Exam	Final exam
17	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	1	5	1	6
Quiz	1	3	1	4
Midterm Examination	1	3	1	4
Final Examination	1	4	1	5
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3

**25 hour workload is accepted as 1 ECTS*

Learning Outcomes

1	To recognize the important species of flies
2	To have an information about the morphology of the insects
3	To have knowledge about about the biology of insects
4	Diagnose the species of louse by infestation in humans and animals
5	Diagnose the species of fleas by infestation in humans and animals

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	5	5	5	4	5
P2	4	4	4	5	3
P3	4	4	4	5	3
P4	3	3	3	4	4
P5	5	5	5	5	5

P6	5	5	5	4	4
P7	1	1	1	5	5
P8	2	2	2	3	3
P9	2	1	1	3	3
P11	4	4	4	5	5