



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Parasitic Arthropoda And Protozoa Of Horses							
Course Code		VPR666		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The objective of this course is to teach fleas, louse, mange, tick and flies of horses and to learn morphology, biology, transmission ways, diseases, clinical symptoms, diagnosis and treatment of important horse protozoons							
Course Content		Morphology, biology, transmission, diagnosis and treatment and prevention of important arthropods of horses Morphology, biology and transmission of important horse protozoons Diagnosis of important horse protozoons Treatment of important horse protozoons and prevention from important horse protozoons							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	60
Assignment	1	10
Laboratory	1	10

Recommended or Required Reading

1	TÜZER, E., TOPARLAK, M., GÖKSU, K. (1997) Veteriner Entomoloji. İstanbul Üniversitesi Veteriner Fakültesi Parazitoloji ABD., İstanbul.
2	EREN, H., YUKARI, B. B. (2000).
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. Tropical Medicine and Parasitology. Mosby International Limited. China.
6	BURGU, A., KARAER, Z. (2005). Parazit Hastalıklarında Tedavi. Türkiye Parazitoloji Derneği, Yayın No:19.
7	SCHMIDT, G.D. (1985). Foundations of Parasitology.
8	DUMANLI, N., KARAER Z. (2010). Veteriner Protozooloji. Medisan Yayınevi, Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Some louse, flea and tick species seen on horses
	Practice	Basic features of arthropods, important point for sampling
2	Theoretical	Scabies and flies of horses
	Practice	Morphological differences between louse, flea and tick species
3	Theoretical	Medical importance of important horse arthropods
	Practice	Morphological and biological differences of scabies
4	Theoretical	Diagnosis and prevention of arthropods of horses
	Practice	Species specific identification of some important flea species of horses
5	Theoretical	Diagnosis and prevention of arthropods of horses
	Practice	Species specific identification of some important flea species of horses
6	Theoretical	Trypanosome spp. in horses
	Practice	Diagnostic methods (microscopic) in protozoal infections
7	Theoretical	Giardia and Entamoeba species of horse
	Practice	Diagnostic methods (serological and molecular) in protozoal infections
8	Practice	Midterm exam



8	Intermediate Exam	Midterm exam
9	Theoretical	Tritrichomonas and Klosiella species of horses
	Practice	Morphology of Trypanasoma, Giardia, Entamoeba species
10	Theoretical	Eimeria and Cryptosporidium species of horses
	Practice	Morphology of Eimeria and Cryptosporidium species
11	Theoretical	Sarcocystis, Toxoplasma and Neospora species and horses as intermediate host
	Practice	Life cycle and diagnosis of Sarcocystis, Toxoplasma ve Neospora species
12	Theoretical	Babesia species of horses
	Practice	Diagnosis and treatment of Babesia species and protection from babesiosis
13	Theoretical	Besnoitia and Theileria species of horses
	Practice	Besnoitia, Theileria and important rickettsias of horses
14	Theoretical	Important rickettsiales of horses
	Practice	Differential diagnosis of protozoal infections and control strategies
15	Theoretical	Discussion
	Practice	Discussion
16	Practice	Final exam
	Final Exam	Final exam
17	Practice	Final exam
	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	2	3	2	10
Midterm Examination	1	4	2	6
Final Examination	1	4	2	6
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Having knowledge about morphology, biology, transmission, diagnosis and treatment of important arthropods of horses
2	Having knowledge about morphology, biology, transmission ways, diseases, clinical symptoms, diagnosis and treatment of important horse protozoans
3	Having knowledge about the importance of arthropod and protozoa in horse breeding
4	Having knowledge about prevention from important arthropods and protozoans in horses
5	Having knowledge about zoonosis arthropods and protozoans in horses.

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	5	4



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

