



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Important Protozoons Of Domesticated Animals							
Course Code		VPR502		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	122 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To give current information on infection routes of important protozoans in domestic animals, pathogen protozoans, morphology of protozoans, symptoms of diseases caused by protozoans, diagnosis, treatment and control methods.							
Course Content		Infection routes of important protozoan in domestic animals, pathogen protozoans, morphology of protozoans, symptoms of diseases, diagnosis, treatment and control methods.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Prof. Hasan EREN							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Yukarı, B.A., (2000) Protozooloji, Akdeniz Üniversitesi Burdur Veteriner Fakültesi Ders Notu, Burdur.
2	Dik, B., Sevinç, F. (2002) Veteriner Protozooloji, Selçuk Üniversitesi Veteriner Fakültesi, Konya.
3	Tüzer, E., Toporlak, M. (1999) Veteriner Protozooloji, İstanbul Üniversitesi Veteriner Fakültesi Ders Notu, İstanbul.
4	Kaufmann, J. (1996) Parasitic Infections of Domestic Animals, Birkhäuser, Switzerland.
5	Peters, W., Pasvol, G. (2002) Tropical Medicine and Parasitology, Mosby International Limited, China.
6	Soulsby, E.J.L. (1986) Helminths, Arthropods and Protozoa of Domesticated Animals, William Cloves Limited, Great Britain.
7	Burgu, A., Karaer, Z. (2005) Parazit Hastalıklarında Tedavi, Türkiye Parazitoloji Derneği, İzmir.
8	Dumanlı, N., Karaer Z. (2010). Veteriner Protozooloji. Medisan Yayınevi, Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to protozoology, classification of protozoons
	Practice	Classical diagnostic methods in protozoology
2	Theoretical	Trypanosoma species of domestic animals
	Practice	Morphological identification of Trypanosoma species
3	Theoretical	Species of Leishmania
	Practice	Examination of life cycles of Leishmania species, taking biopsy samples from poplitea lenf node of dogs
4	Theoretical	Species of Giardia, Entamoeba, Trichomonas
	Practice	Examination of microscopic slides on the subject, detection of Entamoeba ve Giardia cysts
5	Theoretical	Trichomonas
	Practice	Examination of microscopic slides on the subject, taking crop samples from pigeons and staining the samples
6	Theoretical	Coccidiosis in mammals
	Practice	Examination of Eimeria oocysts, preparation of cultures
7	Theoretical	Coccidiosis in birds
	Practice	Examination of Eimeria oocysts after cultivation of the feces of infected birds
8	Intermediate Exam	Midterm exam
9	Theoretical	Protozoons of the Toxoplasmatidae family
	Practice	Examination of microscopic slides on the subject
10	Theoretical	Sarcocystidae



10	Practice	Examination of microscopic slides related to Sarcocystidae
11	Theoretical	Cryptosporididae
	Practice	Examination of microscopic slides and learn staining methods of related to Cryptosporididae,
12	Theoretical	Plasmodiidae
	Practice	Examination of microscopic slides related to Plasmodiidae
13	Theoretical	Babesiidae
	Practice	Examination of microscopic slides on the subject
14	Theoretical	Theileriidea
	Practice	Examination of microscopic slides related to Theileriidea
15	Theoretical	Rickettsiales
	Practice	Examination of microscopic slides related to Rickettsiales
16	Final Exam	Final exam
17	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	4	56
Assignment	4	0	5	20
Quiz	2	4	0.5	9
Midterm Examination	1	15	1	16
Final Examination	1	20	1	21
Total Workload (Hours)				122
[Total Workload (Hours) / 25*] = ECTS				5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Have the knowledge about important diseases caused by protozoans.
2	Knows how the protozoans infect animals, the clinical signs of the diseases and economical impact caused by these diseases.
3	To be able to identify the methods for the diagnosis of these diseases.
4	To be able to recognize the differences between the concerning control measures taken for parasites having different life cycles.
5	To know important protozoa in domestic animals.

Programme Outcomes (Parasitology (Veterinary Medicine) Master)

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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	5
P2	4	4	2	3	2
P3	5	4	3	4	5
P4	5	4	4	4	3
P5	4	4	4	5	4



P6	3	3	3	4	3
P7	4	4	4	5	3
P8	4	4	4	3	2
P9	5	5	3	5	3
P10	4	4		5	5
P11	4	4	4	4	5
P12	5		5	5	4

