



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Sarcosporidiosis, Cryptosporidiosis, Toxoplasmosis And Malaria							
Course Code		VPR530		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of the course is to explain the morphologies,biologies,the economical precautions,prevalance,symptoms,diagnosis,treatment and protection methods.							
Course Content		Morphology, biology, economic important, prevalence, identification, diagnosis, treatment and prevention methods of Sarcocystis, Cryptosporidium and Plasmodium agents.							
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	10
Final Examination	1	60
Quiz	1	20
Assignment	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., Yukarı, 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. Tropikal 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.Temel Mikrobiyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Active ingredient and biology of sarcosporidiosis
	Practice	The macrocyst of Sarcocystis in muscle tissue
2	Theoretical	The pathogen and clinic of sarcosporidiosis
	Practice	Staining of bradizoites of Sarcocystis
3	Theoretical	Sarcosporidiosis according to its crusta lacteas
	Practice	Sarcocystis ovis bradizoites
4	Theoretical	Treatment and protection methods in sarcosporidiosis
	Practice	Sarcocystis canis
5	Theoretical	Species and biology of Cryptosporidium
	Practice	Kinyon acid phaise staining
6	Theoretical	Cryptosporidiosis in domestic animals
	Practice	Cryptosporidium parvum
7	Theoretical	Zoonoz cryptosporidiosis
	Practice	Cryptosporidium bovis
8	Intermediate Exam	Midterm
9	Theoretical	Moede of transmission and protection in Cryptosporidiosis
	Practice	Receiving oocyste from Cryptosporidiosis stool
10	Theoretical	Relationship between human and cat in Toxoplasmosis
	Practice	Toxoplasma bradizoit
11	Theoretical	Other modes of transmission in Toxoplasmosis
	Practice	Toxoplasma oocyste



12	Theoretical	Protection against Toxoplasmosis
	Practice	Toxoplasma tasizoit (from mouse)
13	Theoretical	The species and hosts of Plasmodium
	Practice	Giemsa's stain
14	Theoretical	Molecular diagnosis and genotypical analysis in diagnosis of Plasmodium
	Practice	Plasmodium vivax
15	Theoretical	Development of immunization for Plasmodium
	Practice	Plasmodium falciparum
16	Final Exam	Final exam
17	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Quiz	1	3	1	4
Midterm Examination	1	6	1	7
Final Examination	1	10	1	11
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To be able to tell about morphology and biology of Sarcocyst, Cryptosporidium ve Plasmodium species
2	To be able to recognize the diagnosis and treatment of disease caused by the species of Sarcocyst, Cryptosporidium ve Plasmodium
3	To be able to explain situation of these disease both in Turkey and in the world
4	To know the protection methods of Toxoplasmosis and Malaria.
5	To know the treatment methods of Toxoplasmosis and Malaria.

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



P11	5	5			
P12	3	3			

