AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Ticks And Medical Importance								
Course Code	VPR657		Couse 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, tick species in domestic animals, prevalance, identification of tick species, medical importance of ticks, bacteria, parasites and tick paralysis, virus carried by ticks in humans and animals,								
Course Content	Ixodidae and Argasidae ticks in domestic animals, morpology, biology, the location of host, bacteria, parasites and tick paralysis, virus carried by ticks in humans and 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
Assignment	4	10

Recommended or Required Reading	
1	KURTPINAR H. Türkiye Keneleri. Güven Matbaası, Ankara, sayfa, 1 – 96, 1954.
2	MERDİVENCİ A. Türkiye Keneleri Üzerine Araştırmalar. Kutulmuş Matbaası, İstanbul, sayfa 1 – 420, 1969.
3	MİMİOĞLU M. Veteriner ve Tıbbi Artropodoloji. Ankara Üniversitesi Veteriner Fakültesi Yayınınları 295, ayfa 181–243, 1973.
4	HOOGSTRAL H. African Ixodoidea. I Ticks of the Sudan. U.S. Naval Medical Research Unit Cario, Egypt, No: 3, page 1 – 1101+II, 1956.
5	AYDIN L. Güney Marmara Bölgesi Ruminantlarında Görülen Kene Türleri ve Yayılışları. Uludağ Üniversitesi Sağlık Bilimleri Enstitüsü, Doktora Tezi, , Bursa, 1994.
6	ARTHUR DR. Ticks of the Genus Ixodes in Africa. Univercity of London, The Athlone Pres, page 1 – 348+VII, 1965.
7	ARTHUR DR. British Ticks. Butterworth, Co. (Publishers) Ltd, page 1 – 211+VII, 1963
8	ESTRADA PENA A, BOUATTOUR A, CAMİCAS JL, WALKER AR. Tıcks of Domestic Animals in the Mediterranean Region: a Guide to Identification of Species. Published by University of Zaragoza, Spain, page 1 – 131+VI, 2004.
9	ANASTOS G. The Ticks or Ixodides of The USSR. A Review of the Literature Health, Education and Welfare Public Health Service National Instution of Health. No: 548, page 1 – 397+VI, 1957.
10	WALKER AR, BOUATTOUR A, CAMICAS JL, ESTRADA PENA A, HORAK IG, LATIF AA, PEGRAM RG, PRESTON PM. Tıcks of Domestic Animals in Africa: A Guide to Identification of Species. Published by Bioscience Reports, Scotland, U.K. page 1 – 221+VI, 2003

Week	Weekly Detailed Course Contents	
1	Theoretical	Identify the species of ticks existed in the world
2	Theoretical	Identify the species of ticks existed in the Turkey
4	Theoretical	Identify the species of ticks in the family Argasidae
5	Theoretical	Identify the species of ticks in the family Ixodidae
6	Theoretical	The prevalence of tick species in the family Argasidae and Ixodidae
7	Theoretical	Biology of ticks
8	Intermediate Exam	Midterm Examination
9	Theoretical	The prevalence of tick species found in Turkey
10	Theoretical	Medical importance of ticks
11	Theoretical	Viruses carried by ticks
12	Theoretical	Parasites carried by ticks
13	Theoretical	Ricketsia carried by ticks
14	Theoretical	Control methods can be applied against ticks
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
Assignment	1	1	1	2
Quiz	2	1	1	4
Midterm Examination	1	5	1	6
Final Examination	1	9	1	10
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To have a knowledge about the important tick species of domestic animals and humans
2	To have knowledge about the morphology and biology of tics
3	Medical importance of ticks, diseases carried by ticks
4	Ecology of tick species and relationship ecological and diseases carried by ticks
5	Knows the methods how to control ticks and tick-borne diseases

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