



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Identification Of Tick Species And Control Methods							
Course Code		VPR529		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The objective of this course, being have knowledge about which tick species of the domesticated animals, distribution, identification of tick species, medical importance of ticks, control methods against ticks							
Course Content		Identification tick species of the domesticated animals, medical importance of ticks, control methods against ticks							
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	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 Yayınları 295, ayfa 181–243, 1973
4	HOOGSTRAL H. African Ixodoidea. I Ticks of the Sudan. U.S.

Week	Weekly Detailed Course Contents	
1	Theoretical	Identify the species of ticks existed in the world
	Practice	Microscope, and apparatus used for the identification of tick species
2	Theoretical	Identify the species of ticks existed in the Turkey
	Practice	Stereo microscope to show which morphological differences in the species with the family Argasidae and Ixodidae
3	Practice	Distinction between of the genus in the family Argasidae, identification of existing species
4	Theoretical	Identify the species of ticks in the family Argasidae
	Practice	Distinction between of the genus in the family Ixodidae
5	Theoretical	Identify the species of ticks in the family Ixodidae
	Practice	Identification of the species in the genus Ixodes
6	Theoretical	The prevalence of tick species in the family Argasidae and Ixodidae
	Practice	Identification of the species in the genus Hyalomma
7	Theoretical	Biology of ticks
	Practice	Identification of the species in the genus Hyalomma
8	Intermediate Exam	Midterm Examination
9	Theoretical	The prevalence of tick species found in Turkey
	Practice	Identification of the species in the genus dermacentor
10	Theoretical	Learn the criteria for identification of the species in Argasidae family
	Practice	Identification of the species in the genus Rhipicephalus
11	Theoretical	Learn the criteria for identification of the species in Ixodidae family
	Practice	Identification of the species in the genus Boophilus
12	Theoretical	Ecology of ticks
	Practice	Identification of the species in the genus Haemaphysalis
13	Theoretical	Medical importance of ticks
	Practice	Removal and staining of the salivary gland of ticks



14	Theoretical	Control methods can be applied against ticks
	Practice	To teach the methods for the colonization of tick species
15	Theoretical	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
Lecture - Practice	14	0	2	28
Assignment	1	1	1	2
Quiz	1	4	1	5
Midterm Examination	1	10	1	11
Final Examination	1	25	1	26
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = <b>ECTS</b>				4

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	Existing knowledge about the species of ticks
2	To learn the identification of tick species
3	Knowledge medical importance of ticks and methods of control against ticks and apply this information
4	To know the errors that can be made in the identification.
5	To learn how to determine control methods according to types.

**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	2	5	2	3
P3	4	3	5	3	4
P4	4	4	5	4	4
P5	5	4	5	4	5
P6	3	3	3	3	3
P7	4	4	4	4	4
P8	1	4	1	4	1
P9	4	3	4	3	4
P10	5		2		5
P11	5	4		4	5



P12	1	5		5	1
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