

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Laboratory Re	earing of Ticks	6					
Course Code		VPR671 C		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit 3 Workl		Workload	76 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		domestic anin maintenance	nals and huma under laborate nce under lab	ans, biology of ory condition	of this tick a of this tick	species, facilitie species , used	es are nece of laborato	important disease ssary colonization ory animals in color this tick species un	and nization
Course Content		Colonization a	and maintenar	nce of some t	ick specie	s under laborate	ory conditio	ons	
Work Placement		N/A							
Planned Learning Activities and Teaching Methods		Explanation	(Presenta	tion), Experime	ent, Demon	stration, Discussion	n		
Name of Lecturer(s)									
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Assessment Methods and Criteria

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

Recommended or Required Reading

1	KURTPINAR H. Türkiye Keneleri. Güven Matbaası, Ankara, sayfa, 1 – 96, 1954.
2	Ticks of the Sudan. U.S. Naval Medical Research Unit Cario, Egypt, No: 3, page 1 – 1101+II, 1956.
3	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
4	WALKER AR, BOUATTOUR A, CAMICAS JL, ESTRADA PENA A, HORAK IG, LATIF AA, PEGRAM RG, PRESTON PM. Ticks of Domestic Animals in Africa: A Guide to Identification of Species. Published by Bioscience Reports, Scotland, U.K. page 1 – 221+VI, 2003
5	YUKARI BA. Laboratuvarda Hyalomma anatolicum excavatum kolonisinin elde edilmesi ve muhafazası üzerinde araştırmalar. Doktora Tezi, Ankara 1992

Week	Weekly Detailed Cours	se Contents				
1	Theoretical	Identified of tick species in Turkey				
	Practice	The showing of morphological differences of species in Argasidae and Ixodidae families in the stereo microscope				
2	Theoretical	The advantages of rearing of tick species in the laboratory				
	Practice	Methods used for the colonization of tick species				
3	Theoretical	The maintenance and colonization of tick species				
	Practice	The conditions necessary for ensuring the continuity of colonization of ticks species				
4	Theoretical	Biology of Hyalomma tick species				
	Practice	The identification of Hyalomma tick species				
5	Theoretical	The laboratory animals and equipment required for produced under laboratory conditions of ?? Hyalomma tick species				
	Practice	The production and care of laboratory animals required for produced under laboratory conditions of ??Hyalomma tick species				
6	Theoretical	The maintenance and colonization of Hyalomma excavatum in laboratory conditions				
	Practice	The necessary issues for maintenance and colonization of Hyalomma excavatum in laboratory conditions				
7	Theoretical	The biology of Hyalomma excavatum in laboratory conditions				
	Practice	The identify developmental period of different stages of Hyalomma excavatum				
8	Practice	Midterm Exam				
	Intermediate Exam	Midterm Exam				
9	Theoretical	The colonization of Hyalomma detritum in laboratory conditions				



9	Practice	The necessary issues for colonization of Hyalomma detritum in laboratory conditions					
10	Theoretical	The biology of Hyalomma detritum in laboratory conditions					
	Practice	The identifiy developmental period of different stages of Hyalomma detritum					
11	Theoretical	The colonization of Hyalomma marginatum in laboratory conditions					
	Practice	The necessary issues for olonization of Hyalomma marginatum in laboratory conditions					
12	Theoretical	The biology of Hyalomma marginatum in laboratory conditions					
	Practice	The identify developmental period of different stages of Hyalomma marginatum					
13	Theoretical						
	Practice						
14	Theoretical	In vitro methods applied for the colonization of tick ??species					
	Practice	Preliminary studies for in vitro methods applied for the colonization of tick ??species					
15	Theoretical	Discussion					
	Practice	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
Lecture - Practice		14	0	2	28
Assignment		1	1	0	1
Quiz		1	2	0.5	2.5
Midterm Examination		1	6	1	7
Final Examination		1	9	1	10
			Т	otal Workload (Hours)	76
[Total Workload (Hours) / 25*] = ECTS					

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

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1	To learn identification and biology of tick species
2	To learn the necessary conditions for colonization of ticks in laboratory
3	To maintain and maintain the colony of tick species adapted to laboratory conditions
4	To learns production of tick-borne diseases in laboratory
5	To learn how to adapt to the laboratory conditions of ticks

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	4	5	5	5
P2	5	5	4	5	5
P3	4	4	4	5	4



P4	4	5	5	5	4
P5	4	2	4	4	4
P6	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	2	5
P9	4	5	5	5	4
P10	5	5	2	3	5
P11	3	5	3	5	3
P12	2	5	2	1	2

