

VETERINARY ARTHROPODOLOGY

1	Course Title:	VETERINARY ARTHROPODOLOGY	
2	Course Code:	VPR6005	
3	Type of Course:	Compulsory	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	7.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	2.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. LEVENT AYDIN	
15	Course Lecturers:	-	
16	Contact information of the Course Coordinator:	laydin@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To teach students diagnosis, treatment, control and prevention techniques of the Arthropod infestations in ruminants, carnivores, pigs, poultry and equidae. Introduce vectors which cause zoonotic diseases.	
19	Contribution of the Course to Professional Development:	By knowing the general characteristics of the arthropods and their treatments, the veterinary profession will be performed more effectively.	
20	Learning Outcomes:		
		1	How to identify arthropod diseases on ruminants, equidae, pigs, carnivores and poultry
		2	Biology of arthropods in domestic animals
		3	Clinical and laboratory diagnosis of arthropods
		4	Treatment, control and prevention techniques of arthropod infestations
		5	How arthropods act as a vector and transmit diseases , and their medical / veterinary importance
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Introduction to Arthropodology, systematic, biology, predators, vectors and control techniques	Comparing arthropods (Insecta between Acarina)	

2	Taxonomy, morphology, and control of Diptera and mosquitos	Usage drugs of flies on animals and in animal barn		
3	Taxonomy, morphology and as a vector of Diptera, Muscidae, Culicidae, Phlebotomus, Glossina	Examination of fly species in laboratory		
4	Morphology, biology, control and prevention of myiasis species and Screw worm	Lab diagnosis of myiasis flies and VCD of screw worm		
5	Enfestations of Cimicidae, Blattaria, Odonata and Coleoptera as a vector, their treatment and precautions.	Preparation of Blattaria and Cimex spp. and their microscopical screenings		
6	Morphology, taxonomy and biology of fleas (treatment and control)	Flea preparation and microscopy in lab		
7	Morphology, biology, diagnosis of Ixodidae family, treatment and prophylaxy with transmitted diseases	Differantial diagnosis of Ixodidae , eggs, larvae, nymph and adults of ticks		
8	Morphology, biology, diagnosis of Argasidae family, treatment and prophylaxy with transmitted diseases	Differantial diagnosis of Argasidae, eggs, larvae, nymph and adults of ticks		
9	Morphology, biology, diagnosis, treatment and prophylaxy of house dust mite, Dermanyssus, Ornithonyssus, Acarus spp.	Microscopical diagnosis of house dust mite preparations		
10	Mallophaga and Anoplura infestations in mammals	Collecting lice from farm of faculty and their preparation		
11	Mallophaga and Anoplura infestations in poultry	Lab diagnosis and identifications of Mallophaga and Anoplura		
12	Morphology and biology of scabies species	Detection and examination techniques of scabies species		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	2.00	28.00
Practicals/Labs		14	2.00	28.00
Self study and preperation		28	1.00	28.00
Homeworks		14	2.00	28.00
Projects		4	3.00	12.00
Field Studies		7	6.00	42.00
Midterm exams		1	0.00	0.00
Others		10	3.00	30.00
Final Exams		1	2.00	2.00
Total Work Load				207.00
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	6.90
Total work load/ 30 m				7.00
ECTS Credit of the Course				7.00
Quiz	0	0.00		
Home work-project	0	0.00		
Final Exam	1	100.00		
Total	1	100.00		
Contribution of Term (Year) Learning Activities to Success Grade		0.00		
Contribution of Final Exam to Success Grade		100.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course		one final exam are applied.		
24	ECTS / WORK LOAD TABLE			

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	3	3	3	4	5	4	3	3	4	4	4	5	4	4	5
ÖK2	3	3	4	3	3	4	4	4	4	4	3	5	3	3	3	5
ÖK3	4	4	4	3	4	3	3	3	3	3	3	4	3	5	3	4
ÖK4	3	1	2	3	3	2	3	3	3	4	3	3	4	5	5	5
ÖK5	2	5	3	5	3	5	4	4	5	4	3	3	3	4	4	5
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			