RENAL PHYSIOLOGY.									
1	Course Title:	RENAL	PHYSIOLOGY.						
2	Course Code:	VFZ600	5						
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	2.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Dr. Ögr.	Üyesi Füsun AK SONAT						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Dr. Öğr. Üyesi Füsun Ak Sonat fusunak@uludag.edu.tr +90 224 294 1229 Uludağ Üniv. Veteriner Fak. Fizyoloji Anabilim Dalı Bursa Turkey 16059							
17	Website:	http://www.veteriner.uludag							
18	Objective of the Course:	The aim kidney.	of the course is to describe structure and functions of						
19	Contribution of the Course to Professional Development:	Increasing students' knowledge and experience about physiology of kidney.							
20	Learning Outcomes:								
		1	To be able to describe structure of kidney.						
		2	To be able to explain the functions of kidney						
		3	To be able to explain blood flow of kidney						
		4	To be able to defineof clearance						
		5							
		6							
		7							
		8							
		9							
		10							
21	21 Course Content:								
		Co	ourse Content:						
Week	Theoretical		Practice						
1	functions of kidneys								
2	Blood flow of kidneys								
3	nephron, structure of nephron								
4	Proximal tubules, henle handle, Dist tubules, collecting channels	al							

5	Jugstaglomerular apparatus and its constituent cells																	
6	Pressure differences in the renal circulation																	
7	reabsorption of water, glucose, bicarbonate, potassium calcium, phosphate, sodium and chlorine																	
8	Urine concentration by Henle handle and vasa recta																	
9	The ta	ask	of the	distal	tubul	es												
10	Cleara	anc	е															
11	Maxin	nal	transp	oort in	the ki	dneys												
12	Comparative renal physiology																	
13	Kidne	y m	etabo	olism														
14	Micturition																	
22	Textbooks, References and/or Other Materials:							1- I Ani 2- (Ph 3- 3 4- 3 Ani Yoi 5- I Ph	 NOYAN, A. Yaşamda ve Hekimlikte Fizyoloji, Meteksan Ankara, 2005. GUYTON, AC. HALL JE. Textbook of Medical Physiology, Saunders, 2005. YILMAZ, B. Fizyoloji. Medisan Yayınevi, Ankara, 2000. Swenson, M. J. Duke's Physiology of Domestic Animals, 10. Ed. Cornell University, Press, Ithaca New York, 1984. Frandso RD, Wilkw WL, Fails AD, Anatomy and Physiology of Farm Animals 7th Edition, USA, 2009. 									
Activites						1	Number			Dura	Duration (hour)			Total Work Load (hour)				
Midlern	Migrenticelam 0					0.0	0.00			1.00	1.00							
Practica	Practicals/Labs					C	0			0.00	0.00			0.00				
A €lfn€tv	к у чкаря	łdjé	epera	ition			1		251	25!00			1.00	1.00 ′			14.00	
Homew	Homeworks						1	1			2.00	2.00 2.00						
Popiect	ffcts 2						10	100.00			0.00	0.00			0.00			
Field St	ield Studies							C	0			0.00	0.00			0.00		
AHIGREAR	isterne Stade							C	0			0.00	0.00			0.00		
Others	hers							2	2			10.00	10.00			20.00		
Final E	a Exams						101	100.00			10.00	10.00			10.00			
Total Work Load 60.00																		
Cotariserork load/ 30 hr						the	the Rules & Regulations of Bursa Uludağ U2000 sity on							on				
ECTS (Credit (of th			UAD		LE									2.00		
25				CON	TRIB							OME				MF		
25	QUALIFICATIONS																	
	P	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	5		4	5	4	5	5	5	4	4	4	5	4	0	0	0	0	
ÖK2	5		5	5	5	5	5	5	5	4	5	5	5	0	0	0	0	
ÖK3	5		4	5	4	5	3	5	4	4	4	5	4	0	0	0	0	
ÖK4	5		4	5	4	5	5	5	4	4	4	5	4	0	0	0	0	

LO: Learning Objectives PQ: Program Qualifications										
Contrib ution Level:	1 very low	2 low	3 Medium	4 High	5 Very High					