RENAL PHYSIOLOGY.

1	Course Title:	RENAL PHYSIOLOGY.	
2	Course Code:	VFZ 6005	
3	Type of Course:	Compulsory	
4	Level of Course:	Third Cycle	
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:	Yrd.Doç.Dr. Füsun AK SONAT	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	fusunak@uludag.edu.tr +90 224 294 12 29 Uludağ Üniv. Veteriner Fak. Fizyoloji Anabilim Dalı Bursa Turkey 16059	
17	Website:	http://www.veteriner.uludag.edu.tr	
18	Objective of the Course:	The aim of the course is to asses the comparative renal physiology in mammals, birds and reptiles.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To be able to list of the components parts of nephron.
		2	To be able to describe renal structure of mammals, birds and reptiles.
		3	To be able to asses transport ways of respiratory gases in the body
		4	To be able to explain functions of kidney
		5	To be able to explain renal transport
		6	To be able to explain mechanism of secretion
		7	To be able to describe renal clearance
		8	To be able to assess comparative renal physiology
		9	
		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Introduction to renal physiology	
2	Functions of kidney Renal blood flow	

3	Nephron Glomerulus	
4	Proximal tubulus Henle	
5	Distal tubulus Collecting ducts	
6	Jugstaglomerular Apparatus Pressure differences in renal circulation	
7	Antidiüretic hormone, angiotensin, aldosterone, parathyroid hormone	
8	Tubular secretion	
9	Intensification of urine by henle and vasa recta	
10	Functions of distal tubulus Renal clearance	
11	Renal Maximal transport Comparative renal physiology	
12	Renal metabolism	
13	Micrutation and its control	
14	Renal physiology in:	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	1.00	14.00
Homeworks	1	2.00	2.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	2	10.00	20.00
Final Exams	1	10.00	10.00
Total Work Load			60.00
Total work load/ 30 hr			2.00
ECTS Credit of the Course			2.00

2- GUYTON, AC. HALL JE. Textbook of Medical Physiology, 11th Edition, Comstock Publishing, 2004

5- CUNNINGHAM JG. Textbook of Veterinary Physiology, Elsevier USA, 2002

23	Assesment	**R**
	Midterm Exam	0
	Quiz	0
	Home work-project	1
	Final Exam	1
	Total	2

	0.00
	25.00
	75.00
	100.00
Contribution of Term (Year) Learning Activities to Success Grade	25.00
Contribution of Final Exam to Success Grade	75.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	

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	5	5	4	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK2	4	5	4	5	5	5	4	5	5	5	5	5	0	0	0	0
ÖK3	4	5	4	4	5	5	4	4	4	4	4	4	0	0	0	0
ÖK4	4	4	4	4	5	5	4	4	4	4	4	4	0	0	0	0
ÖK5	4	4	4	5	5	5	4	4	4	4	4	4	0	0	0	0
ÖK6	4	5	4	5	5	5	5	4	4	4	4	4	0	0	0	0
ÖK7	5	5	4	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK8	5	5	5	5	5	4	5	5	4	4	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**				**3 Medium**			**4 High**			**5 Very High**			