BODY FLUIDS, ACID BASE BALANCE										
1	Course Title:	BODY F	LUIDS, ACID BASE BALANCE							
2	Course Code:	VFZ6009)							
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	ace							
14	Course Coordinator:	Prof. Dr.	Cenk AYDIN							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Bursa Uludağ Universitesi Veteriner Fakültesi Fizyoloji Anabilim Dalı 16059 Nilüfer Bursa eposta: caydin@uludag.edu.tr tel:+90(224) 294-1274								
17	Website:									
18	Objective of the Course:	The aim of the course is to describe the issues related to acid base balance of body fluids and discuss.								
		balance	of body fluids and discuss.							
19	Contribution of the Course to Professional Development:	Find out in body f	of body fluids and discuss. about the problems associated with acid-base equilibrium luids.							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	Find out in body f	of body fluids and discuss. about the problems associated with acid-base equilibrium luids.							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f	of body fluids and discuss. about the problems associated with acid-base equilibrium luids. To be able to analysis distribution of body fluids.							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f 1 2	of body fluids and discuss. about the problems associated with acid-base equilibrium luids. To be able to analysis distribution of body fluids. To be able to list of the body fluids composition							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f 1 2 3	To be able to analysis distribution of body fluids. To be able to list of the body fluids composition To be able to describe the buffer system in body fluids							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f 1 2 3 4	To be able to analysis distribution of body fluids. To be able to analysis distribution of body fluids. To be able to list of the body fluids composition To be able to describe the buffer system in body fluids To be able to explain the blood acid base balance and blood pH							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f 1 2 3 4 5	of body fluids and discuss. about the problems associated with acid-base equilibrium luids. To be able to analysis distribution of body fluids. To be able to list of the body fluids composition To be able to describe the buffer system in body fluids To be able to explain the blood acid base balance and blood pH To be able to explain the transport of CO2 and O2 in blood.							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f 1 2 3 4 5 6	To be able to analysis distribution of body fluids. To be able to analysis distribution of body fluids. To be able to list of the body fluids composition To be able to describe the buffer system in body fluids To be able to explain the blood acid base balance and blood pH To be able to explain the transport of CO2 and O2 in blood. To be able to explain the gas exchange in tissues.							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f 1 2 3 4 5 6 7	To be able to analysis distribution of body fluids. To be able to analysis distribution of body fluids. To be able to list of the body fluids composition To be able to describe the buffer system in body fluids To be able to explain the blood acid base balance and blood pH To be able to explain the transport of CO2 and O2 in blood. To be able to explain the gas exchange in tissues. To be able to explain the renal regulation of acid base balance							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f 1 2 3 4 5 6 7 8	To be able to analysis distribution of body fluids. To be able to analysis distribution of body fluids. To be able to list of the body fluids composition To be able to describe the buffer system in body fluids To be able to explain the blood acid base balance and blood pH To be able to explain the transport of CO2 and O2 in blood. To be able to explain the gas exchange in tissues. To be able to explain the renal regulation of acid base balance To be able to describe the acidosis and alkalosis							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f 1 2 3 4 5 6 7 8 9	To be able to analysis distribution of body fluids. To be able to analysis distribution of body fluids. To be able to list of the body fluids composition To be able to describe the buffer system in body fluids To be able to explain the blood acid base balance and blood pH To be able to explain the transport of CO2 and O2 in blood. To be able to explain the gas exchange in tissues. To be able to explain the renal regulation of acid base balance To be able to describe the acidosis and alkalosis							
19 20	Contribution of the Course to Professional Development: Learning Outcomes:	balance Find out in body f 1 2 3 4 5 6 7 8 9 10	To be able to analysis distribution of body fluids. To be able to analysis distribution of body fluids. To be able to list of the body fluids composition To be able to describe the buffer system in body fluids To be able to explain the blood acid base balance and blood pH To be able to explain the transport of CO2 and O2 in blood. To be able to explain the gas exchange in tissues. To be able to explain the renal regulation of acid base balance To be able to describe the acidosis and alkalosis							
19 20	Course Content:	balance balance Find out in body f 1 2 3 4 5 6 7 8 9 10	of body fluids and discuss. about the problems associated with acid-base equilibrium luids. To be able to analysis distribution of body fluids. To be able to list of the body fluids composition To be able to describe the buffer system in body fluids To be able to explain the blood acid base balance and blood pH To be able to explain the transport of CO2 and O2 in blood. To be able to explain the gas exchange in tissues. To be able to explain the renal regulation of acid base balance To be able to describe the acidosis and alkalosis							
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2	Buffer systems of body fluids To prevent changes in hydrogen ion Lungs and kidneys	density							
3	The buffer systems: bicarbonate, pho proteins buffer sytem	osphate,							
4	Hydrogen ion concentration in the blo	bod							
5	The blood pH and acid-base balance	;							
6	Amount and pressure of CO2 in the b	blood							
7	The gas exchange in tissues								
8	The transport of CO2 and O2 in the b	blood.							
9	Types of acidosis, causes								
10	Types of alkalosis, causes								
11	The respiratory regulation of acid-bas balance	se							
12	The renal regulation of acid-base bal Secretion of hydrogen ions and reabs of bicarbonate ions in renal tubes	ance sorbsion							
13	Renal regulation of acidosis and alka	alosis							
14	Mixed type of acid-base imbalance a causes Clinical assessment of acid base bala body fluids	nd the ance in							
Activit	es		Number	Duration (hour)	Total Work Load (hour)				
Theore	tical		2 MARIEB, EN. Humar	Anatomy & Physio rson, Benjamin Cur	1990 nmings 2006				
Practic	als/Labs		0	0.00	0.00				
Self stu	dy and preperation		4 NOYAN, A. Yaşamda	1.00 Ve Hekimlikte Fizy	oloji, Meteksan				
Homew	vorks		2	1.00	2.00				
Project	assesment		0	0.00	0.00				
Field S	tudies		0	0.00	0.00				
Midterr	n exams	R	0	0.00	0.00				
Others			2	10.00	20.00				
Rimiai E	xams	0	0.90	10.00 10.00					
Total V	Vork Load				60.00				
Fiotal &	አንቁkባload/30 hr	1	75.00	2.00					
ECTS	Credit of the Course				2.00				
Contrib Succes	oution of Term (Year) Learning Activitie ss Grade	es to	25.00						
Contrib	ution of Final Exam to Success Grade	Э	75.00						
Total			100.00						
Measu Course	rement and Evaluation Techniques Us	sed in the	Classical written exam	will be applied.					
24	ECTS / WORK LOAD TABLE								

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	4	4	4	4	5	5	4	4	4	4	0	0	0	0
ÖK2	5	5	4	4	4	5	5	5	5	5	5	5	0	0	0	0
ÖK3	5	5	3	3	4	4	5	5	4	4	4	4	0	0	0	0
ÖK4	5	5	4	4	4	4	4	4	4	4	4	4	0	0	0	0
ÖK5	5	5	3	3	4	4	4	4	4	4	4	4	0	0	0	0
ÖK6	5	5	4	4	4	4	5	5	4	4	4	4	0	0	0	0
ÖK7	5	5	4	4	4	5	5	5	5	5	5	5	0	0	0	0
ÖK8	5	5	4	4	4	5	4	4	5	5	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ntrib 1 very low ion evel:			2 low			3 Medium		4 High			5 Very High				