PHYSIOLOGY II											
1	Course Title:	PHYSIOLOGY II									
2	Course Code:	VET1014									
3	Type of Course:	Compulsory									
4	Level of Course:	First Cycle									
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	5.00									
8	Theoretical (hour/week):	4.00									
9	Practice (hour/week):	2.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	none									
12	Language:	Turkish									
13	Mode of Delivery:	Face to face									
14	Course Coordinator:	Prof. Dr. Murat YALÇIN									
15	Course Lecturers:	Prof. Dr. Nurten GALİP Prof. Dr. Cenk AYDIN Dr. Öğr. Üy. Füsun SONAT Prof. Dr. Murat YALÇIN Prof. Dr. Nurten GALİP Prof. Dr. Cenk AYDIN Dr. Öğr. Üyesi. Füsun AK SONAT									
16	Contact information of the Course Coordinator:	muraty@uludag.edu.tr +90 224 294 1273 Uludağ Üniversitesi Veteriner Fakültesi Fizyoloji AbD Görükle Bursa 16059									
17	Website:	http://www.veteriner.uludag.edu.tr									
18	Objective of the Course:	The gastrointestinal and nutritional physiology of different species. The respiratory, renal physiology, reproductive physiology and nerve and muscle physiology. The cardiovascular physiology. The endocrine system and its regulation. Thermoregulation, and sensory physiology									
19	Contribution of the Course to Professional Development:	Physiology gives the basic elements of life in all applications throughout professional life. In addition, the course aims to provide students with sufficient and basic knowledge about all physiological systems, contributing to their professional lives. As a basic science, physiology provides the basis for understanding clinical information professionally. More about this source textSource text required for additional translation information									
20	Learning Outcomes:										
		The gastrointestinal and nutritional physiology of different species									

	2	2	The cardiovascular physiology							
	3	3	Special circulations							
	4	1	The respiratory p	physiology						
	5	5	The renal physio	logy						
	6	6	Female reproductive physiology							
	7	7	Male reproductive physiology							
	8	3	The endocrine system and its regulation							
	9)	Sensory physiology							
	1	10	Thermoregulatio	n						
21	Course Content:									
		Co	urse Content:							
Week	Theoretical		Practice							
1	Introduction to digestive physiology, description of herbivores, omnivores a carnivores terms, prehension, mastica movements of esophagus, vomiting, sa	tion,	Prehension, mastication, deglution and rumination in ruminants.							
Activit	tes		Number	Duration (ho	ur) Total Work Load (hour)					
Theore	fuactional anatomy of gastric secretion		intestinal motility on rabbits00 56.00							
Practic	lsocration of HCL control of gastric acid als/Labs		14	2.00	28.00					
Self stu	secretion liver and pancreas functions	5,	0	0.00	0.00					
Homew	vorks		0	0.00	0.00					
Project	functions of the large intestine.		0	0.00	0.00					
Field S	tudies		0	0.00	0.00					
Midterr	eexaptsagicus, nervous control, motility	y of	1	15.00	15.00					
Others			2	18.00	36.00					
Final E	faiths acids, ammonia and inorganic ion	s and	1	15.00	15.00					
Total V	Vork Load				150.00					
Total w	shighstions tipid hydrolysis, defecation a	and			5.00					
ECTS (Credit of the Course				5.00					
	regulation of food intake, motility, secre and digestion, carbohydrates, lipids an protein digestion of avian, regulation of motility an secretion.	etion nd	1 10t0200 00011t0	in rumen naia.						
5	Respiration in mammals, inspiration, expiration, pulmonary volumes and capacities, pulmonary ventilation, oxygcarbon dioxide transport, regulation of respiration, descriptive terms (hypoxia, cyanosis, other terms,)		Mechanics of respiration.							

	compounds, hormonal regulation of refunction, renal responses to changes fluid, and electrolyte equilibrium, comprenal physiology, micturition, urine.	in pH,	Determination of pulmonary volumes and capacities.						
	Functional anatomy of reproductive or spermatogenesis, hormonal control of spermatogenesis, male accessory gla testicular function, erection and ejacul Reproductive hormones, ovarian func reproductive cycles, puberty, estrous menstrual cycles, postpartum ovarian pregnancy, the placenta, parturition	f ands, lation, tions, and activity,	Urine collection in different animal species and physiological evaluation. Capillary circulation in frogs						
8	Functional anatomy of cardiovascular properties of myocardial cells, electrophysiology of the heart, cardiovascular system, regulation of the heart, ECG, arterial system, capillary	he							
9	Control mechanism of the circulatory of the circulation, liver circulation, spleed and skeletal muscle circulation.		Monitoring to heart movements in frogs.						
10	Introduction of endocrine system, horr chemistry, regulation of hormone secrand activity, hypophysis cerebri and hypothalamus hormones and its funct	retion I	ECG and measurement of blood pressure.						
11	Thyroid gland, hormones associated valcium and skeletal hormones, adrer and hormones from other organs.		Effects of histamine and epinephrine on capillary in frogs (P Group A).						
12	Endocrine secretion of pancreas, prostaglandins		Effects of histamine and epinephrine on capillary in frogs (P Group B).						
13	Poikilothermism and homeothermism, hibernation, body temperature, heat b physiological responses to heat and c regulation of body temperature.	alance,	Measurement and discussion of rectal temperature in different animal species.						
14	Somesthetic sensory mechanisms, Thand vision, taste, smell and hearing.		Determination of blind spot, visual acuity and astigmatism, successive and simultaneous contrast tests.						
22	Textbooks, References and/or Other Materials:		1- YAMAN, K. Fizyoloji. Ezgi kitabevi, Bursa, 2004. 2- YILMAZ B. Fizyoloji. Medisan Yayınevi, Ankara, 2000. 3- NOYAN A. Fizyoloji Ders Kitabı, Meteksan Yayınevi, Ankara, 1993. 4- GUYTON AC., HALL JE. Tıbbi Fizyoloji Nobel Yayınevi İstanbul, 2000. 5- CUNNINGHAM JG. Textbook of Veterinary Physiology, Elsevier, USA, 2002 6- CHURCH DC. Digestive Physiology and nutrition of Ruminants.Metropolitan Printing Co. Portlan, 1976 7- YILMAZ B. Hormonlar ve üreme fizyolojisi, Medisan Yayınevi, Ankara, 1999.						
23	Assesment								
TERM L		NUMBE R	WEIGHT						
			30.00						
Quiz		1	10.00						
	work-project	0	0.00						
Home v	' '		60.00						

Contribution of Term (Year) Learning Activities to Success Grade	40.00						
Contribution of Final Exam to Success Grade	60.00						
Total	100.00						
Measurement and Evaluation Techniques Used in the Course	Multiple choice exam						
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	PQ14	PQ15	PQ16
ÖK1	5	4	3	3	4	5	4	4	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	4	4	5	5	5	5	5	5	5	5	0	0	0	0
ÖK4	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK6	5	4	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK7	5	5	4	5	5	5	4	4	5	5	5	5	0	0	0	0
ÖK8	5	5	4	4	5	5	4	4	5	5	5	5	0	0	0	0
ÖK9	5	4	3	3	4	5	4	4	4	4	4	4	0	0	0	0
ÖK10	5	5	4	4	4	5	5	5	5	5	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution				3 Medium 4 High					5 Very High						