HORMONAL AND NEURAL CONTROL OF BLOOD PRESSURE

1	Course Title:	HORMONAL AND NEURAL CONTROL OF BLOOD PRESSURE	
2	Course Code:	VFZ5021	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	1.00	
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:		
16	Contact information of the Course Coordinator:	muraty@uludag.edu.tr +90 224 294 1228 Uludağ Üniversitesi Veteriner Fakültesi Fizyoloji Anabilim Dalı Görükle Bursa 16059	
17	Website:		
18	Objective of the Course:	This course focuses on the regulation on blood pressure by neuronal and endocrine system.	
19	Contribution of the Course to Professional Development:	As a veterinarian-physiologist, it provides an approach to vitality events in terms of the importance of blood pressure control.	
20	Learning Outcomes:		
		1	Local Control of Blood Pressure in Response to Tissue Needs
		2	Mechanisms of Blood Pressure Control
		3	Humoral Control of the Circulation
		4	Nervous Regulation of the Circulation
		5	Role of the Nervous System in Rapid Control of Arterial Pressure
		6	Special Features of Nervous Control of Arterial Pressure
		7	Renal–Body Fluid System for Arterial Pressure Control
		8	
		9	
		10	
21	Course Content:		
	Course Content:		

Week	Theoretical	Practice
1	Definition of Blood Pressure	Measurement of blood pressure
2	Acute Control of Local Blood Pressure	Measurement of blood pressure
3	Long-Term Blood Pressure Regulation	Effect of sympathetic system on blood pressure
4	Vasoconstrictor Agents	Effect of sympathetic system on blood pressure
5	Vasodilator Agent	Effect of parasympathetic system on blood pressure
6	Vascular Control by Ions and Other Chemical Factors	Effect of parasympathetic system on blood pressure
7	Autonomic Nervous System	Effect of vasopressin on blood pressure
8	Reflex Mechanisms for Maintaining Normal Arterial Pressure	Effect of vasopressin on blood pressure
9	Control of Arterial Pressure by the Vasomotor Center	Effect of angiotensin on blood pressure
10	Control of Arterial Pressure by the Cardioregulatory Center	Effect of angiotensin on blood pressure
11	Role of the Skeletal Nerves and Skeletal	Effect of vagal nerve on blood pressure
12	Respiratory Waves in the Arterial Pressure	Effect of vagal nerve on blood pressure
13	Vasopressin	Effect of histamin on blood pressure
14	Textbooks, References and/or Other	1- KAY, L. Introduction to Animal Physiology, UK, 1998 2- Physiology of Farm Animals, 7th Edition, USA, 2009 3- Reece Wo. Functional Anatomy and Physiology of 4- NOYAN, A. Fizyoloji Ders Kitabı 15. Baskı
15	Assessment	
16	Assessment	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	2.00	28.00
Homeworks	1	5.00	5.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	3	10.00	30.00
Final Exams	1	15.00	15.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Quiz	0	0.00
Home work-project	1	25.00
Final Exam	1	75.00
Total	2	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		Classical written exam

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	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK2	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK3	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK4	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK5	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK6	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK7	5	4	4	4	5	5	4	4	5	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**			