

HORMONAL AND NEURAL CONTROL OF BLOOD PRESSURE

1	Course Title:	HORMONAL AND NEURAL CONTROL OF BLOOD PRESSURE	
2	Course Code:	VFZ 5023	
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:		
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
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		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		
Activities		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	1.00	14.00
Practicals/Labs		14	2.00	28.00
Self study and preparation		14	2.00	28.00
Homeworks		1	5.00	5.00
Projects		0	0.00	0.00
Textbooks, References and/or Other		1	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	0.00	0.00
Others		3	10.00	30.00
Final Exams		4	15.00	15.00
Total Work Load				120.00
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	
Total work load/ 30 hr				4.00
ECTS Credit of the Course				4.00
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				
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			