

PHYSIOLOGY OF LABORATORY ANIMALS

1	Course Title:	PHYSIOLOGY OF LABORATORY ANIMALS
2	Course Code:	VET1509
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
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:	Prof. Dr. NURTEN GALİP
15	Course Lecturers:	Prof. Dr. Cenk AYDIN Prof. Dr. Murat YALCIN
16	Contact information of the Course Coordinator:	nurteng@uludag.edu.tr +90 224 294 1273 Uludag University Faculty of Veterinary Medicine Department of Physiology Gorukle Bursa Turkey 16059
17	Website:	http://www.veteriner.uludag.edu.tr
18	Objective of the Course:	To learn general physiology of mouse, rat, rabbit, guinea pig and hamster To learn normal blood and serum parameters, quantity of body fluids and blood, and blood collection methods To learn blood circulatory system, digestive system, respiratory system, excretory system, hormonal system and reproductive system in mouse, rat, guinea pig, rabbit and hamster
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Learning general physiology of mouse, rat, rabbit, guinea pig and hamster
	2	Learning comparative physiology of blood and serum parameters in mouse, rat, rabbit, guinea pig and hamster
	3	Learning body fluids and quantity of blood in mouse, rat, rabbit, guinea pig and hamster
	4	Learning blood collection methods in mouse, rat, rabbit, guinea pig and hamster
	5	Learning comparative physiology of blood circulatory system in mouse, rat, rabbit, guinea pig and hamster
	6	Learning comparative physiology of digestive system in mouse, rat, rabbit, guinea pig and hamster
	7	Learning comparative physiology of respiratory system in mouse, rat, rabbit, guinea pig and hamster
	8	Learning comparative physiology of excretory system in mouse, rat, rabbit, guinea pig and hamster

		9	Learning comparative physiology of hormonal system in mouse, rat, rabbit, guinea pig and hamster		
		10	Learning comparative physiology of reproductive system in mouse, rat, rabbit, guinea pig and hamster		
21	Course Content:				
	Course Content:				
Week	Theoretical		Practice		
1	General physiology of mouse, rat and guinea pig				
2	General physiology of rabbit and hamster				
3	Comparative physiology of blood and serum parameters in mouse, rat, rabbit, guinea pig and hamster				
4	Comparative physiology of blood and serum parameters in mouse, rat, rabbit, guinea pig and hamster				
5	Body fluids and quantity of blood in mouse, rat and guinea pig				
6	Body fluids and quantity of blood in rabbit, and hamster				
7	Blood collection methods in mouse, rat and guinea pig				
8	Blood collection methods in rabbit and hamster				
9	Comparative physiology of blood circulatory				
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical					
11	in mouse, rat, rabbit, guinea pig and hamster		14	2.00	28.00
11 Comparative physiology of respiratory system					
Practicals/Labs			0	0.00	0.00
12 Comparative physiology of excretory system			11	2.00	22.00
12 Studies on comparative physiology					
Homeworks			0	0.00	0.00
13 Comparative physiology of hormonal system					
Projects in mouse, rat, rabbit, guinea pig and hamster			0	0.00	0.00
Field Studies			0	0.00	0.00
Midterm Exams system in mouse, rat, rabbit, guinea pig and hamster			1	20.00	20.00
Others			0	0.00	0.00
22 Textbooks, References and/or Other Materials:			1-1	20.00	20.00
Final Exams			1-1	20.00	20.00
Total Work Load					90.00
Total work load/ 30 hr			Tanitim Baskı Hizmetleri, Ankara, 2012.		3.00
ECTS Credit of the Course			3. Armutak F İ Yiğit E Laboratuvar Hayvanları Rehberi		3.00
23	Assesment				
TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT		
Midterm Exam		1	40.00		
Quiz		0	0.00		
Home work-project		0	0.00		
Final Exam		1	60.00		
Total		2	100.00		
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																
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	4	4	5	5	5	4	5	4	0	0	0	0
ÖK2	5	4	4	4	4	4	5	5	5	4	5	4	0	0	0	0
ÖK3	5	4	4	4	4	4	5	5	5	4	5	4	0	0	0	0
ÖK4	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0
ÖK5	4	4	4	4	4	4	5	5	5	5	5	5	0	0	0	0
ÖK6	4	4	4	4	4	4	5	5	5	5	5	5	0	0	0	0
ÖK7	4	4	4	4	4	4	5	5	5	5	5	5	0	0	0	0
ÖK8	4	4	4	4	4	4	5	5	5	5	5	5	0	0	0	0
ÖK9	4	4	4	4	4	4	5	5	5	5	5	5	0	0	0	0
ÖK10	4	4	4	4	4	4	5	5	5	5	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			