RESPIRATORY SYSTEM

1	Course Title:	RESPIRATORY SYSTEM	
2	Course Code:	VFZ5009	
3	Type of Course:	Compulsory	
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. NURTEN YAKAR	
15	Course Lecturers:	Prof. Dr. Nurten GALİP	
16	Contact information of the Course Coordinator:	nurteng@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 aim of the course is to describe the physiology of respiration, assess the mechanical ventilation and compare the differences of respiratory system between the species	
19	Contribution of the Course to Professional Development:	To increase the knowledge and experience of students about respiratory system.	
20	Learning Outcomes:		
		1	To be able to list of respiratory organs.
		2	To be able to describe respiratory volumes and capacities.
		3	To be able to explain the mechanism of respiration
		4	To be able to describe the cyanosis and hypoxia.
		5	To be able to describe the respiratory system in birds.
		6	To be able to explain the air sacs of birds.
		7	To be able to explain the blood gases and their transports.
		8	To be able to printed the respiratory movements and interpret the results.
		9	
		10	
21	Course Content:		
	Course Content:		

Week	Theoretical	Practice
1	Respiratory organs	Introduction of Spirometry
2	Definitions of Inspiratory and Expiratory	Measurement of respiratory volumes and capacities with Spirometry
3	Lung volume and Alveolar ventilation.	Measurement of respiratory volumes and capacities with Spirometry
4	Respiratory volumes	Measurement of respiratory volumes and capacities with Spirometry
5	Lung capacity	Mechanics of respiration.
6	Types of respirators	Introduction to data file of MP36 system
7	Mechanism of respiratory and respiratory centers	Introduction of experimental tools used for MP36
8	Hypoxia and types of hypoxia	Introduction of experimental tools used for MP36
9	Cyanosis	Measurement and writing of respiratory volumes and capacities with MP36
10	Respiratory system of the birds	Measurement and writing of respiratory volumes and capacities with MP36
11	Avian lungs, diaphragm and the air sacs	Measurement and writing of respiratory volumes and capacities with MP36
12	Respiration and air circulation in birds	Interpret results of MP36
13	Blood gas transport	Interpret results of MP36
14	Regulation of respiration	Interpret results of MP36
22	Textbooks, References and/or Other	1- YAMAN, K. Fizyoloji. Ezgi kitabevi, Bursa, 2004. 4- GUYTON AC., HALL JE. Tıbbi Fizyoloji. Nobel Yayınevi, İstanbul, 2000. 6- CHURCH DC. Digestive Physiology and Nutrition of Yayınevi, Ankara, 1999.

Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	3.00	42.00
Practicals/Labs		0	0.00	0.00
Self study and preperation		14	2.00	28.00
Homeworks		0	0.00	0.00
Projects		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	25.00	25.00
23 Assesment				
Others		0	0.00	0.00
Final Exams	**R**	1	25.00	25.00
Total Work Load				120.00
Quiz	1	10.00		
Total work load/ 30 hr				4.00
ECTS Credit of the Course				4.00
Final Exam	1	60.00		
Total	3	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		test 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	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	4	3	5	4	4	5	3	4	5	5	5	4	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**			**4 High**			**5 Very High**				