

PHYSIOLOGY OF THE SENSE ORGANS

1	Course Title:	PHYSIOLOGY OF THE SENSE ORGANS	
2	Course Code:	VFZ6016	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	1.00	
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 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 explain physiological conditions of the sensory organs	
19	Contribution of the Course to Professional Development:	To increase the knowledge and experience of students about the sensory organs	
20	Learning Outcomes:		
		1	To be able to describe physioanatomy of the sensory organs
		2	To be able to explain physiology of sensory receptors
		3	To be able to describe sensory nervous system
		4	To be able to describe somatosensory system physiology
		5	To be able to list the sensory organs
		6	To be able to explain the physiology of pain
		7	To be able to explain the physiology of hearing and vision
		8	To be able to explain the physiology of taste and olfaction
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Introduction to sense organs		
2	Heat, pain, visual		

3	The formation of vision Refractive errors in vision	
4	Hearing	
5	Deafness	
6	Organ of balance (vestibular organ)	
7	Functions of sacculus and utriculus	
8	Semicircular canals	
9	Motion diseases	
10	Sense of smell	
11	Vomeronasal organ Property of odor reseptors	
12	Sense of taste Taste buds	
13	Examples of taste	
14	Individual differences in animals	

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.
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Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	9	3.00	27.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	2.00	2.00
Others	0	0.00	0.00
TERM LEARNING ACTIVITIES	NUMBE	WEIGHT	2.00
Total Work Load			62.00
Total work load/ 30 hr	1	10.00	2.00
ECTS Credit of the Course			2.00

Home work project	3	30.00
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
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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	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
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			