ANATOMY OF LABORATORY ANIMALS

1	Course Title:	ANATOMY OF LABORATORY ANIMALS	
2	Course Code:	VET1515	
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):	1.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. Gülsüm EREN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Doç. Dr. Gülsüm EREN eren@uludag.edu.tr +902242941227 Uludağ Üniversitesi Veteriner Fakültesi Anatomi Anabilim Dalı, A Blok, Görükle Kampüsü, 16059 BURSA	
17	Website:		
18	Objective of the Course:	Teaching anatomical structures of the laboratory animals that may be necessary for medical education and trainings.	
19	Contribution of the Course to Professional Development:	To provide the doctor candidates to gain information about the anatomy of laboratory animals for their education and professional life.	
20	Learning Outcomes:		
		1	Learning anatomical structures of laboratory animals.
		2	Learning about basic concepts of body systems and systematic anatomy of laboratory animals and body regions. Learns anatomical terminology.
		3	Learning the basic properties of laboratory animals movements and nervous systems.
		4	Students will learn comparatively the relations of internal organs of digestive, respiratory, excretory and reproductive systems of laboratory animals with the placement, normal shape, natural posture and neighboring organs.
		5	Learning the anatomical characteristics of the laboratory animals related to circulation, nervous system and sensory organs comparatively between species.
		6	Learning basic knowledge that can be used as a guideline in clinical practice and general exenterations.
		7	Knowledge about laboratory animals will help in the preparation of scientific writings and seminars on these animals
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21	Course Content:		

	Course Content:	
Week	Theoretical	Practice
1	Introduction to Anatomy and general approach to laboratory animals anatomy and general terminology	Description of the anatomical directions on skeletons.
2	Anatomy of the locomotor system of laboratory animals (Cartilages and bones – Head, vertebral column and thorax)	Examination of locomotor system on skeletons
3	Anatomy of the locomotor system of laboratory animals (Bones – Limbs)	Examination of locomotor system on skeletons
4	Anatomy of the joints of laboratory animals	Examination of joints on skeletons
5	Anatomy of the muscles of laboratory animals	Examination of muscles on cadavers
6	Anatomy of the digestive system of laboratory animals	Examination of digestive system on cadavers
7	Anatomy of the respiratory system of laboratory animals	Examination of respiratory system on cadavers
8	Anatomy of the urinary system of laboratory animals	Examination of urinary system on cadavers
9	Anatomy of the female genital organs of laboratory animals	Examination of female genital organs on cadavers
10	Anatomy of the male genital organs of laboratory animals	Examination of male genital organs on cadavers
11	Anatomy of the nervous system of laboratory animals	Examination of nervous system on cadavers
12	Anatomy of the circulatory system of laboratory animals	Examination of circulatory system on cadavers
13	Anatomy of the endocrine system of laboratory animals	Examination of endocrine system on cadavers
14	Anatomy of the sense organs of laboratory animals	Examination of sense organs on cadavers

22	Textbooks, References and/or Other Materials:	- Bairbre O'Malley, Clinical Anatomy and Physiology of Exotic Species, Elsevier, 2005. - Peter Popesko, Viera Rajtová, Jindrich Horák A colour atlas of Anatomy of Small Laboratory Animals, Volume one: rabbit and guinea pig, Saunders, 2002. - Peter Popesko, Viera Rajtová, Jindrich Horák A colour atlas of Anatomy of Small Laboratory Animals, Volume two:rat, mouse and golden hamster, Saunders, 2002.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	40.00
Quiz	0	0.00
Homeworks, Performances	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		Midterm and final exams

24	**ECTS / WORK LOAD TABLE**

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	1.00	14.00
Self study and preperation	14	2.00	28.00
Homeworks, Performances	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			100.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

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	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1
ÖK2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
ÖK3	2	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1
ÖK4	2	1	2	1	2	1	1	1	2	2	1	1	1	1	1	1
ÖK5	1	1	2	2	2	2	2	1	2	1	2	1	1	1	1	1
ÖK6	1	2	2	2	2	2	2	2	2	2	1	2	1	1	1	1
ÖK7	3	2	2	2	2	2	2	2	2	2	1	1	1	1	2	1

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High