

Dipartimento di Medicina Veterinaria



General information				
Academic subject	HISTOLOGY AND APPLIED ANATOMY OF DOMESTIC ANIMALS			
	(integrated exam of ZOOLOGY, HISTOLOGY AND ANATOMY)			
Degree course	Animal Science			
Academic Year	2022/2023 – I year			
European Credit Transfer and Accumulation Syste		em (ECTS)	8	
Language	Italian			
Academic calendar (starting and ending date)		II semester		
Attendance	Compulsory			

Professor/ Lecturer		
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Department and address	Campus of Veterinary Medicine,	
	S.P. 62 per Casamassima km 3, 70010 Valenzano (Ba)	
Virtual headquarters	Teams code: fn2rdoz	
Tutoring (time and day)	Wednesday 15.30-17.30 h; Friday 11.30-13.30 h	

Syllabus		
Learning Objectives	The teaching course of Histology and Applied Anatomy of Domestic Animals provides basic elements regarding the comparative macro- and microscopic anatomy of domestic animals taught from an applicative perspective.	
Course prerequisites	The teaching course of Structural and Metabolic Biochemistry is preparatory to the exam of Zoology, Histology and Anatomy.	
Contents	The teaching course of Structural and Metabolic Biochemistry is preparatory to the	



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	ruminants, swine, dog and cat). Videos, plastic anatomical models and dissections of small ruminant carcasses will be used as didactic subsidies.
Books and bibliography	Bortolami - Callegari - Beghelli - Anatomia e fisiologia degli animali domestici. Edagricole. König-Liebich – Anatomia degli Animali Domestici. Testo-Atlante a Colori. Piccin. Pelagalli-Botte. Anatomia veterinaria sistematica e comparata. Edi-Ermes. Appunti di lezione e diapositive in formato ppt fornite dai docenti.
Additional materials	Merighi – Anatomia applicata e Topografia regionale veterinaria

Work schedu	le				
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours		
Hours					
200	70	25	105		
ECTS					
8	7	1			
taught in e-lear Frontal lecture provided with video tutorial original or plas		provided with multimedial devices. Practical lectures will be covideo tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers or available in the video tutorial produced by the teachers of the video tutorial produced by the	-learning mode. tures will be carried out through Powerpoint presentations in classrooms with multimedial devices. Practical lectures will be carried out partly using rial produced by the teachers or available in the web, and partly using plastic animal models available in the anatomy room. Organs taken from		
	rning outcomes				
Knowledge and understanding on:		The teaching course will provide the bases of: o Investigation techniques used in morphological sciences. o Basic elements of macro- and microscopical anatomy of domestic animals.			
Applying knowledge and understanding on:		 Identification of animal tissues. Identification of skeletal elements. Identification of animal organs based on their macroscopical appearance and microscopical structure. 			
Soft skills		 Making informed judgments and choices Students will be able to correctly identify skeletal elements and organs belonging to animal species covered by the course. Communicating knowledge and understanding Students will be familiar with anatomical terminology. To this aim, students will be encouraged to describe anatomical structures in the framework of flipped classroom sessions. Capacities to continue learning In order to stimulate student's autonomy, group-study sessions will be organized. This will eventually help students autonomously study the anatomy of animal species not covered by the course. 			



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	be asked to identify three tissues and three bone elements. Students that will correctly identify two tissues and two bones will pass the Histology test. The second test will be based on multiple-choice tests. The final examination will involve the identification and description of animal organs and will last about 30 minutes. The ability to correctly describe the structural details using the appropriate terminology will determine the final mark. The outcome of the integrated exam of "Zoology, Histology and Anatomy" will result from the weighed mean of the marks of the exams of "Histology and Applied Anatomy of Domestic Animals" and "Zoology and Cell Biology". A 30-point scale will be used, divided into failing (0 to 17) and passing (18 to 30 cum laude) grades.		
Evaluation criteria	Conoscenza e capacità di comprensione:		
	 Basic elements of macro- and microscopical structure of organs domestic animals: student's ability to describe the main macro- and microscopic features of animal organs animals will be evaluated. Conoscenza e capacità di comprensione applicate: Identification of animal tissues: student's ability to correctly identify 		
	 both tissue type and sub-type will be evaluated. Identification of skeletal elements: student's ability to correctly identify skeletal elements will be evaluated. Identification of animal organs based on macroscopical appearance and microscopical structure: student's ability to correctly identify animal organs on the bases of their macroscopical appearance and microscopical structure will be evaluated. 		
	Autonomia di giudizio:		
	 Student's ability to correctly attribute a skeletal element or organ to one of the animal species covered by the course will be evaluated. 		
	Abilità comunicative:		
	 The correct use of the anatomical terminology will be evaluated. Capacità di apprendere: 		
	 The student's capacity to describe anatomical structures of animal 		
	species not covered by the teaching course might be also evaluated.		
Criteria for assessment and	The minumum mark to pass the exam is 18 and the maximum mark is 30 cum laude.		
attribution of the final mark	Students will pass the exam if they pass all the three tests: Histology, Locomotor and		
	Nervous Systems, and final exam. The ability to correctly describe tissue and organs using the proper anatomical terminology will be evaluated. The maximum mark will be given to students that will correctly recognize all the submitted tissues and organs and will be able to describe their morphological and structural details using		
	the correct anatomical terminology.		
Additional information	<u> </u>		
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