

DIPARTIMENTO DI Medicina Veterinaria



General information			
Academic subject	PHYSIOLOGY AND ENDOCRINOLOGY OF DOMESTIC ANIMALS BASIC KNOWLEDGE		
Degree course	Animal Science		
Academic Year	2022/2023 – I year		
European Credit Transfer and Accumulation System (ECTS) 6			
Language	Italian		
Academic calendar (starting and e	nding date) II semester		
Attendance	Mandatory		

Professor/ Lecturer			
Name and Surname	Maria Albrizio		
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Department and address	Campus of Veterinary Medicine,		
	S.P. 62 per Casamassima km 3, 70010, Valenzano (Ba)		
Virtual headquarters	Microsoft Teams platform if necessary		
Tutoring (time and day)	Tuesday 12.30-14.30		
	Thursday 14.00-15.00		

Syllabus		
Learning Objectives	 Main objectives of the course are: the acquisition of basic knowledge of cellular physiology to understand mechanisms underlying the functioning of the main organs that make up the different systems and apparatuses understanding how endocrine system regulates the activity of organs and systems. Students will have to undertake a comparative study of the physiology of different animal species in line with the educational objectives of the degree course. 	
Course prerequisites	 To be admitted to the final exam, the student must comply with the prerequisite and therefore having passed the following exams: Structural and metabolic biochemistry Zoology, Histology and Anatomy. 	
Contents		
Books and bibliography	Physiology of Domestic Animals, \emptyset .V. Sjaastad, O. Sand, K. Hove, Ambrosiana Publishing House	

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Additional materi	alc	Scientific	articles proposed by the teacher	
Auditional materials		Scientific articles proposed by the teacher		
Work schedule				
Total			Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours				
150	50		25	75
ECTS				
6	5		1	0
take place point forr verify the to suppler will be con into prace exercises Halfway t assign eac presentati teacher w		take place point for verify the to supple will be co into prace exercises Halfway t assign eac presentat teacher w	ctives of the course will be achieved through theoretical lectures that will e in the classroom using didactic material appropriately developed in power mat. During the course, self-assessment questionnaires are provided to e learning status. The teacher will also provide students with scientific works ement the knowledge available in the recommended textbook. The course ompleted by a series of laboratory exercises through which students will put ctice some basic knowledge learned. Students will participate in the divided into small groups flanked by the teacher and laboratory staff. through the course, the teacher will divide the students into groups and ch one a topic to be explored. The result of the work must be organized in a tion in power point format that each group will present to the class. The vill formulate an opinion on the learners regarding their ability to deepen a aggregate and divide the work and to present the results	
Expected learning	outcomes			
on:		1 4 o 1 1	Students must have acquired the ability to understand the cellular mechanisms underlying the interactions between cells At the end of the course the student will have acquired essential knowledge of cell and organ physiology, as well as endocrinology. He will also have understood the role of the nervous and endocrine systems in the functional regulation of the organism	
Applying knowled understanding on	-	6 0 T	The student will be able to functionally relate the apparatuses The student will be able to independently read ar relating to the main blood tests of clinical and endocri	nd interpret a report
Soft skills		 A Comi Comi T Capa T 	ing informed judgments and choices At the end of the course, the student should acquire the the most important differences between physiology and to support own ideas municating knowledge and understanding The student should have known technical terminology colleagues and experts in the field of animal sciences cities to continue learning The student should be able to further improve known earning	and pathophysiology to communicate with

Assessment and feedback	
Methods of assessment	The exam will be carried out at the end of the course by students in good
	standing with the prerequisites. The exam will consist of an interview or a
	written test with multiple choice questions on the topics of cellular and





	organ physiology and endocrinology.	
Evaluation criteria	 Knowledge and understanding the teacher will verify the acquisition of the basic knowledge on animal physiology and endocrinology Applying knowledge and understanding the teacher will verify that the student is able to functionally relate the various systems and apparatuses. The teacher will verify that the student is able to independently read and interpret a report relating to the main blood tests of clinical and endocrine chemistry Autonomy of judgment The teacher will verify the student's ability in recognizing the most important differences between physiology and pathophysiology and his capacity in supporting own ideas in the debate with the teacher Communicating knowledge and understanding the teacher will verify the acquisition of the specific terminology which will make the student able to communicate in the field of animal sciences Communication skills The teacher will verify the ability to convey one's thoughts in a clear and interesting way Capacities to continue learning the teacher will verify the acquisition by the student of an adequate study 	
Criteria for assessment and	method that allows him to continue the study independently	
attribution of the final mark	In formulating the judgement for each student, the teacher will hold account of the	
	commitment that each will have shown in passing the ongoing tests, in the interview exam and in the presentation of group work on the subject proposed by the teacher.	
Additional information	exam and in the presentation of group work on the subject proposed by the teacher.	
Additional information		