General information		
Academic subject	**Veterinary endocrinology - Physiology 2**	
Degree course	Veterinary Medicine	
Academic Year	2021/2022	
European Credit Transfer and Accumulation System (ECTS)		4
Language	Italian	
Academic calendar (starting and ending date)	II Bimester	
Attendance	Mandatory	

Professor/ Lecturer	
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Telephone	0804679928
Department and address	Veterinary Medicine Campus – Valenzano (BA)
Virtual headquarters	Piatform: Microsoft Teams, if required
Tutoring (time and day)	Tuesday 12.30-02.30 p.m. Thursday 02.00-03.00 p.m.

Syllabus	
Learning Objectives	The "Veterinary Endocrinology" course has as its main objective the knowledge of the basic endocrinology together with the understanding of the physiological mechanisms underlying intercellular communication and the activity of the whole organism by means of chemical messengers. The student will have to undertake a comparative study of the endocrinology of the different animal species in line with the educational objectives of the degree course.
Course prerequisites	In order to take the Veterinary Endocrinology exam, the student must comply with the prerequisite and therefore having passed the Physiology 1 exam. Students must have acquired the ability to understand the cellular mechanisms underlying the interactions between cells
Contents	Course belonging to Basic Sciences
Books and bibliography	Physiology of Domestic Animals, Ø.V. Sjaastad, O. Sand, K. Hove, Ambrosiana Publishing House
Additional materials	Scientific articles proposed by the teacher

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
100	30	25	45
ECTS			
4	3	1	0
Teaching strategy	The objectives of the course will be achieved through frontal theoretical lessons that will take place in the classroom equipped with a projector to which the teacher's personal PC will be connected for the projection of the didactic material properly elaborated in power point format. During the course self-assessment questionnaires		

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	are planned for verifying the learning status. The teacher will also provide students with scientific papers to supplement the knowledge available in the recommended textbook. A series of laboratory exercises through which students will complete the course will put into practice some basic learned knowledge. The exercises will be carried out in the cellular and molecular physiology and endorphin-mediated pathologies laboratories. Students will participate in the exercises divided into small groups flanked by the teacher and by laboratory staff. In addition, halfway through the course, the teacher will divide the students into groups and assign them a topic to be explored. The result of the work should be organized in a presentation in power point format that each group will show to the class. The teacher will formulate an opinion on learners about their ability to deepen a topic, to divide the work and to present their results
Expected learning outcomes	
Knowledge and understanding on:	○ At the end of the course the student will have acquired essential knowledge of endocrinology The student will also have understood that intercellular communication is regulated in its entirety by the nervous, endocrine and immune systems and that their division is merely theoretical, since they share many similar characteristics in the functional regulation of the organism. ○ The student will be able to functionally relate the various endocrine glands. ○ The student will be able to detect main endocrine disorders
Applying knowledge and understanding on:	The student will be able: ○ to relate to the field of veterinary medicine ○ to communicate effectively with clients, the public, professional colleagues and responsible authorities, using language appropriate to the specific public ○ to work effectively as a member of a multidisciplinary team in the delivery of services ○ to be able to critically review and evaluate literature and presentations
Soft skills	The student will have acquired the following skills: • Making informed judgments and choices ○ Research methods and contribution of basic and applied research to veterinary science ○ The principles of disease prevention and the promotion of health and well-being • Communicating knowledge and understanding ○ Principles of effective interpersonal interaction, including communication, leadership, management and teamwork • Capacities to continue learning ○ Understanding and competence in logical approaches to both scientific and clinical reasoning, the distinction between the two and the strengths and limitations of each ○ The knowledge and terminology acquired will make the future graduate independent in the management of clinical cases that will arise in the performance of the future profession and to constantly learn from clinical practice

Assessment and feedback	
Methods of assessment	The exam will be taken at the end of the course by students in good standing with

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	the prerequisites. The exam will consist of an interview or a written test with multiple choice questions on the topics of endocrinology.
Evaluation criteria	The teacher in formulating the judgment for each student will take into account: • Knowledge and understanding ○ the acquisition of the basic notions of animal endocrinology ○ the commitment shown in passing the ongoing tests • Applying knowledge and understanding ○ the ability to connect all the notions learned and relate on a specific topic ○ the ability to independently read and interpret a report relating to the main endocrine dosages on biological samples • Autonomy of judgment ○ the student's ability to recognize the major differences between physiology and pathology and his ability to support his ideas in the debate with the teacher. • Communicating knowledge and understanding ○ the acquisition of specific terminology that will enable the student to communicate in the field of animal physiology and the ability to convey their thoughts in a clear and interesting way • Communication skills ○ the ability to interact with colleagues in the division of work, in the preparation of the power point and in the presentation of group work assigned by the teacher during the course. • Capacities to continue learning ○ the teacher will verify the acquisition by the student of an adequate study method that allows him to continue the study independently
Criteria for assessment and attribution of the final mark	The examination of the Veterinary Endocrinology module will compete for 4/11 the achievement of the overall mark of the Physiology 2 exam..
Additional information	

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