

General information	
Academic subject	Andrology
Degree course	Veterinary Medicine
Academic Year	2021/2022
European Credit Transfer and Accumulation System (ECTS)	2
Language	Italian
Academic calendar (starting and ending date)	I two-month
Attendance	Mandatory

Professor/ Lecturer	
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Department and address	Veterinary Medicine Campus – Valenzano (BA)
Virtual headquarters	Microsoft Teams (Codex vxg2ji9)
Tutoring (time and day)	Monday, wednesday e thursday h. 13:30 – 15:30

Syllabus	
Learning Objectives	The learning objectives will consist in providing the theoretical and practical tools intended to carry out an andrological examination and to diagnose and treat (medical and surgical) of some of the main pathologies of the male genital system.
Course prerequisites	The student must have acquired knowledge of obstetrics and pharmacology and skills related to the use of drugs.
Contents	<ul style="list-style-type: none"> - Introduction to the course: Description of the specific training objectives of the teaching, its place in the training of the Veterinarian and methods of teaching delivery, as well as the methods and criteria for assessing the knowledge, skills and minimum skills to be achieved. - Introduction to andrology: Functional anatomy of the male genital system - Endocrinology of the male genital system - Description of the processes related to spermatogenesis - Sperm in the female tract: description of the various stages leading to conception - Reproductive behavior: description of the reproductive behavior in the various species - Clinical examination of the male genital system in various animal species - Forms of male infertility in different animal species: etiopathogenesis, diagnosis, prognosis and therapy of Impotentia generandi and coeundi - Diseases of penis in different animal species: etiopathogenesis, diagnosis, prognosis and therapy of the main penile diseases - Diseases of the testicles in different animal species: etiopathogenesis, diagnosis, prognosis and therapy of the main pathologies of the testicles - Pathologies of the accessory sex glands in different animal species: etiopathogenesis, diagnosis, prognosis and therapy of the main pathologies of the accessory sex glands.
Books and bibliography	Noakes D.E., Parkinson T.J., England G.C.W. Arthur's Veterinary Reproduction & Obstetrics, 10th edition, 2018.
Additional materials	Lecture notes

Work schedule	

Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
50	26		24
ECTS			
2	2		
Teaching strategy			
		<p>Teaching will take place in a mixed, frontal and remote mode, for the provisions on prevention from SARS-CoV-2 contagion.</p> <p>The theoretical part of the course will take place in classrooms equipped with multimedia tools such as PC, projector, internet connection, using power points prepared by the teacher.</p> <p>For each topic, a multiple choice quiz is provided, which allows the teacher to evaluate the learning achieved by students and clarify any doubts.</p> <p>At the beginning of the course, students will be divided into groups of 8, for the development of in-depth papers on topics related to the course.</p>	
Expected learning outcomes			
Knowledge and understanding on:		<ul style="list-style-type: none"> ○ Identify the main andrological pathologies and the procedures for both medical and surgical intervention. 	
Applying knowledge and understanding on:		<ul style="list-style-type: none"> ○ The student must be able to manage an andrological visit 	
Soft skills		<ul style="list-style-type: none"> • Making informed judgments and choices At the end of the course, the student must be able to manage, from a clinical point of view, reproductive activity, in the major species of veterinary interest. • Communicating knowledge and understanding At the end of the course, the student must be able to use andrological terminology correctly. • Capacities to continue learning At the end of the course, the student must be able to progress independently by deepening the issues of the andrological sector. 	
Assessment and feedback			
Methods of assessment		The skills acquired will be assessed in progress during the course, through multiple choice quizzes, which allow the teacher to evaluate the learning achieved by students.	
Evaluation criteria		<ul style="list-style-type: none"> • Knowledge and understanding The student must identify the main andrological pathologies and the procedures for both medical and surgical intervention. • Applying knowledge and understanding The student must be able to manage an andrological visit. • Autonomy of judgment The student must be able to recognize reproductive problems and must be able to intervene from a medical and surgical point of view. • Communicating knowledge and understanding The student must have good ability to present the proposed topics, demonstrating that he / she has mastery of andrological terms • Capacities to continue learning The student must have the ability to learn the basics of the andrological clinic. 	
Criteria for assessment and		The exam will consist of an oral test based on the topics developed in class. The	



attribution of the final mark	<p>verification is contextual with that of Obstetric Clinic. The evaluation acquired in the "Andrology" module, together with that acquired in the "Obstetric clinic" module, will contribute to the determination of the final evaluation of the integrated obstetric clinic examination, according to an arithmetic mean.</p> <p>The student must demonstrate that they have acquired knowledge of the main reproductive diseases with related medical and / or surgical therapy. During the exam, students will have to discuss the in-depth papers developed during the course. The same will be evaluated by the teacher before the exam and will contribute to the final grade.</p> <p>The mark is expressed out of thirty and the minimum mark for passing the exam is equal to 18. Praise will be considered only if the student, in addition to responding adequately to all the questions, argues them with extreme precision, excellent exposure and appropriate use of terminology.</p>
Additional information	