

General information	
Academic subject	Teaching of Surgical Procedures of the integrated examination of Veterinary Surgery 2
Degree course	Veterinary Medicine
Academic Year	2021/2022
European Credit Transfer and Accumulation System (ECTS)	2
Language	Italian
Academic calendar (starting and ending date)	II-III Bimester
Attendance	Mandatory

Professor/ Lecturer	
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Department and address	Veterinary Medicine Campus – Valenzano (BA)
Virtual headquarters	MS Teams code: 3uudvbm
Tutoring (time and day)	Monday, Wednesday and Friday from 9:30 to 11:30 (at the veterinary hospital) Tuesday and Thursday from 2.30pm to 4.30pm By appointment

Syllabus	
Learning Objectives	Provide the basics of surgical procedures Be able to prepare the patient and the surgeon for surgical therapy Knowledge of the equipment useful in the surgical field Containment of the animals of the various species of interest
Course prerequisites	The preliminary examination for Veterinary Surgery 1 is required. The student must have acquired the notions relating to the teachings of anatomy, physiology, general and surgical pathology and radiology of domestic animals
Contents	Clinical Sciences of Companion Animals (including Horses and Exotics) Principles of surgical asepsis. Sterilization and disinfection. Equipment and personnel areas for surgery. Preparation of the operating field. Preparation of the surgical team. Surgical instruments. Containment of animals. Administration of medicines. Electrosurgery. Umlauts and exereses. Hemostasis. Summary: types of sutures, characteristics of needles and sutures. Drains. Bandages. Biopsy techniques. Postoperative treatment of the surgical patient. Antibiotic Therapy in Surgery. Means of osteosynthesis. Special part: Wound treatment; Celiotomy and laparotomy; Hernorrhaphy; Stomach surgery; Bowel surgery; Splenectomy; Bladder and urethra surgery; Upper airway surgery; Thoracotomy and sternotomy; Principles of osteosynthesis.
Books and bibliography	T.W Fossum Chirurgia dei piccoli animali 3a Ed Mosby 2007 • Slatter D.H. Trattato di chirurgia dei piccoli animali 3a Ed Antonio Delfino 2005. • Tobias K.M: Veterinary surgery: small animals • Auer & Stick Eqine surgery W.B. Saunders, 2005 Tommasini Degna: Atlante di chirurgia veterinaria del cane e del gatto, Poletto Editore
Additional materials	The texts are recommended for the purpose of deepening and integration; view attendance is mandatory, notes will be of fundamental importance

	of lessons and the material provided by the teacher during the course
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Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
50	13	25	12
ECTS			
2	1	1	
Teaching strategy			
<p>The frontal teaching will be carried out through classical lessons with support computer science (power point), integrated with the possibility of following at a distance.</p> <p>As part of the lessons, clinical cases will be addressed with interaction with the student using kahoot software. In some lectures they will be presented real clinical cases with the possibility of observing the patient in the operating room at the outpatient facilities. Practical exercises will be carried out in groups of 10-15 students with the presentation of clinical cases concerning the topics of the lesson.</p>			
Expected learning outcomes			
Knowledge and understanding on:	<ul style="list-style-type: none"> ○ Techniques and principles of surgical procedures, asepsis and patient management in the perioperative period 		
Applying knowledge and understanding on:	<ul style="list-style-type: none"> ○ Handle and restrain animal patients safely and with respect for the animal and instruct others to help the veterinarian perform these techniques. ○ Apply biosecurity principles correctly, including sterilization of equipment and disinfection of clothing. ○ Know the principles of asepsis, the material needed in the operating room and the preparation of the patient and the surgeon ○ Perform aseptic surgery correctly. ○ Perform basic surgical techniques 		
Soft skills	<ul style="list-style-type: none"> • Autonomy of judgment Understanding and competence in logical approaches to reasoning either or scientific than clinical, the distinction between the two and the strengths and limitations of each Etiology, pathogenesis, clinical signs, diagnosis and treatment of diseases common and ailments occurring in common domestic species • Communication skills The principles of disease prevention and the promotion of health and well-being Evaluation of intraoperative complications • Ability to learn independently The ethical framework within which veterinary surgeons should work, including important ethical theories that inform the process decision-making in professional ethics and relating to the well-being of animals 		

Assessment and feedback	
Methods of assessment	The test of the surgical medicine exam will be carried out orally with the discussion of hypothetical clinical cases also supported by multimedia material.
Evaluation criteria	<ul style="list-style-type: none"> • Knowledge and understanding



	<ul style="list-style-type: none">○ The student must demonstrate that he is able to evaluate the patient and establish the appropriate surgical technique● Applying knowledge and understanding<ul style="list-style-type: none">○ Ability to choose suitable surgical instruments○ Ability to manage surgical techniques and complications● Autonomy of judgment<ul style="list-style-type: none">○ Be able to establish a surgical protocol by identifying the most appropriate instruments and techniques● Communicating knowledge and understanding<ul style="list-style-type: none">○ Being able to communicate with clients to proceed with normal clinical procedures● Capacities to continue learning<ul style="list-style-type: none">○ Being able to assess the patient's clinical condition and then choose the most appropriate surgical protocol
Criteria for assessment and attribution of the final mark	The exam consists in asking the student 3 questions related to the program of study. The correct answer to 2 of the 3 questions involves passing of the exam whose mark must be weighted with that obtained in the exam of Surgical Clinic and Anesthesiology. The student will have to prove that they have acquired basic knowledge on the use of instrumentation, surgical techniques, risk assessment and complications in small animals and horses in the most common clinical conditions.
Additional information	