

General information	
Academic subject	Animal management techniques in veterinary facilities – Exam: Technical activities in veterinary facilities
Degree course	Animal Science
Academic Year	2021/2022
European Credit Transfer and Accumulation System (ECTS)	3
Language	Italian
Academic calendar (starting and ending date)	II semester
Attendance	Mandatory

Professor/ Lecturer	
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Department and address	Veterinary Medicine Campus – Valenzano (BA)
Virtual headquarters	
Tutoring (time and day)	Every day at 8.30 am

Syllabus	
Learning Objectives	<ul style="list-style-type: none"> ○ Learn the terminology used in veterinary surgery and practicable interventions. ○ Learn the essential elements of the aseptic technique, the methods used for the disinfection and sterilization of surgical instruments and equipment, the methods for the preparation of the surgical sets and the tools that compose them. ○ Learn the procedures used for the preparation of the operating field, for the preparation of the surgical team and for the maintenance of surgical instruments. Know the types of sutures and sutures. ○ Know the methods of preparing venous and arterial accesses, learn the catheterization techniques of the urinary tract of small animals. ○ Learn about life-saving and traumatized animal rescue techniques
Course prerequisites	To take the exam, it is necessary to have successfully passed the exams of: <ul style="list-style-type: none"> • Biosecurity and Health Management • Ethological bases of animal learning
Contents	Fundamental surgical terminology. Routine surgery of small animals. Preoperative and post-operative considerations by the collaborator in surgical structures. weight assessment, temperature measurements, sample transport. Principles of surgical asepsis. Rules of aseptic technique. Commonly used disinfectants. Cold and hot sterilization. Preparation and packaging of surgical sets. Washing and preparation of sheets and gowns. Storage of sterilized materials. Opening techniques for sterile packaging. Tricotomy and skin washing. Positioning and stabilization of the patient on the operating table. Sterile skin preparation techniques. Correct clothing inside the operating rooms. Safety rules and management of operating rooms. Surgical instruments. Suture needles and removal of sutures. Preparation of venous and arterial accesses. First aid techniques for traumatized or critically ill animals. Pre-hospital care (telephone contacts, first aid and evaluation of vital signs)
Books and bibliography	Principi di tecnologia veterinaria of P. W. Pratt, Dolphin publisher
Additional materials	Notes from lessons

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/Self-study hours
Hours			
75	20	25	30
ECTS			
3	2	1	
Teaching strategy		Frontal lessons in attendance and practical exercises in the presence of small groups on topics specific to the lessons provided with practical activities carried out at the structures of the DETO Surgical Clinic.	
Expected learning outcomes			
Knowledge and understanding on:		<ul style="list-style-type: none"> ○ Knowledge of the correct and knowledge of surgical patients ○ Knowledge of the different management methods in veterinary surgery ○ Capability to identify of preventive methods in perisurgical situations 	
Applying knowledge and understanding on:		<ul style="list-style-type: none"> ○ Ability to identify the main management problems relating to small animals ○ Ability to recognize the critical issues of the management of surgical veterinary facilities ○ Ability to identify the main corrective strategies most suitable in different situations 	
Soft skills		<ul style="list-style-type: none"> • <i>Making informed judgments and choices</i> <ul style="list-style-type: none"> ○ At the end of the course, the student should acquire the ability to recognize the most important steps for the surgical management and to express his own opinion about these topics • <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ The student should acquire knowledge and technical terminology to be able to correctly communicate with technicians and practitioners • <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ The student should acquire the capability to improve his knowledge through further autonomous studies, more advanced courses of study and periods of training 	

Assessment and feedback	
Methods of assessment	The skills acquired will be assessed during the course through questions and preparation of ppt presentations on topics related to the course. At the end of the course, the student should be able to:
valuation criteria	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> <ul style="list-style-type: none"> ○ Know the correct management of small animals • <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> ○ Recognise the main problems and diseases related to incorrect management • <i>Autonomy of judgment</i> <ul style="list-style-type: none"> ○ Be able to express own opinion autonomously • <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ Be able to clearly explain the main topics discussed during the course • <i>Communication skills</i> <ul style="list-style-type: none"> ○ Be able to discuss about small animal management with other technicians



	<ul style="list-style-type: none">• <i>Capacities to continue learning</i><ul style="list-style-type: none">○ To improve his knowledge of the topics through advanced courses and training periods
Criteria for assessment and attribution of the final mark	Final profit exam: oral
Additional information	