

General information	
Academic subject	Veterinary Anesthesiology
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	
Name and Surname	Francesco Staffieri
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Department and address	Veterinary Medicine Campus – Valenzano (BA)
Virtual headquarters	Microsoft Teams Code: 5g487u1
Tutoring (time and day)	Monday, Wednesday and Friday from 8:30 to 9:30 and from 14:30 to 15:30 Is mandatory a preliminary email contact

Syllabus	
Learning Objectives	To provide the basic information required to manage to most common clinical cases. To acquire the ability to use the most common anaesthesia equipment
Course prerequisites	Students should have the basic knowledges of pharmacology, physiology, general pathology, radiology and surgical semeiotic of the most common domestic animals
Contents	The teaching topics belong to the area of Clinical Sciences of the domestic animals (including horses and exotic pets), with the following topics: <ul style="list-style-type: none"> • Preanesthetic examination • Premedication: generality, phenothiazines, alpha 2 agonists, benzodiazepine, opioids, butirrophenon • Induction: generality, tiopenthal, propofol, ketamine • Maintenance of general anesthesia: generality, inhalant agents (halothane, isoflurane, sevoflurane, desflurane), total intravenous anesthesia • Anesthesia Monitoring: clinical monitoring, electrocardiography, pulse oximetry, arterial pressure, capnography, temperature • Equipment: anesthetic machine, vaporizers, anesthetic circuits, laryngoscope, endotracheal tubes, infusion pumps. • Pain physiology. Treatment of perioperative pain • Locoregional anesthesia and analgesia • Specific aspects of the anesthesia of the dog and cat • Specific aspects of the anesthesia of the horse
Books and bibliography	<ul style="list-style-type: none"> • Anestesia del Cane e del Gatto. Autore: Federico Corletto. Editore: Poletto Editore • Anestesia del Cane, del Gatto e degli Animali non convenzionali. Autori: Bufalari Antonello, Lachin Adriano. Editore: Elsevier • Chirurgia del Cavallo (capitolo sull'Anestesia Equina). Autore: Auer A. Editore: Edagricole Editore • Anestesia e Analgesia Locoregionale del Cane e del Gatto. Autore: Francesco Staffieri. Editore: Poletto Editore

	Terapia del dolore negli animali da Compagnia. Autore: Giorgia della Rocca e Antonello Bufalari. Editore: Poletto Editore
Additional materials	

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 lectures will be performed with classical lectures with the support of power point presentations. Lectures will be integrated with the possibility of remote connection.</p> <p>During the lectures clinical cases will be discussed with the interaction with the student by means the kahoot software. In some lectures clinical cases will be presented with the possibility to observe the patient in the surgery room. The hands-on activities will be performed in groups of 10 – 15 students</p>			
Expected learning outcomes			
Knowledge and understanding on:	<ul style="list-style-type: none"> ○ Knowledge of the main anesthetic drugs and their effects ○ Knowledge and management of the main anesthetic equipment ○ Evaluation of the anesthetic risk and of the anesthetic plan in the main domestic animals 		
Applying knowledge and understanding on:	<ul style="list-style-type: none"> ○ To be able to perform safe sedative and general and local anesthetic procedures; Implement chemical methods of immobilization 		
Soft skills	<ul style="list-style-type: none"> ● Making informed judgments and choices <ul style="list-style-type: none"> ○ Understanding and competency in the logical scientific and clinical approach, the distinction between them and their limits ○ Etiology, pathogenesis, clinical signs, diagnosis and care of the common diseases of the most common domestic animals ● Communicating knowledge and understanding <ul style="list-style-type: none"> ○ Main principles of disease prevention and the promotion of health and welfare ● Capacities to continue learning <ul style="list-style-type: none"> ○ The ethical field within which the veterinary surgeons should work, including important ethical theories that inform the decisional process in the professional ethic and related to the welfare of the animals 		

Assessment and feedback	
Methods of assessment	The examination will be performed orally with the discussion of hypothetical clinical cases supported also with the multimedia material
Evaluation criteria	<ul style="list-style-type: none"> ● Knowledge and understanding ● Student should prove to be able to evaluate the patient and establish the anesthetic risk ● Applying knowledge and understanding ● Ability to chose an adequate anesthetic protocol ● Ability to manage the main equipment ● Autonomy of judgment

	<ul style="list-style-type: none"> • xTo be able to establish an anesthetic protocol including drugs and specific equipment • Communicating knowledge and understanding • To be able to communicate with the clients to proceed with the normal clinical procedures • Communication skills • To be able to communicate with the clients to proceed with the normal clinical procedures • Capacities to continue learning <ul style="list-style-type: none"> ○ To be able to evaluate the clinical conditions of the patient in order to chose the most adequate anesthetic protocol
<p>Criteria for assessment and attribution of the final mark</p>	<p>The examination will be performed asking 3 questions related to the program. With 2 over 3 correct answers the student will pass the exam and the grade will be weighted with that obtained in the other parts of the exam. The student should prove to have acquired the knowledge regarding the use of the different drugs, equipment and techniques to manage the anesthesia of the small animals and horses in the most common clinical conditions.</p>
<p>Additional information</p>	