Teaching: Veterinary Anesthesiology (3 credits , 39 hours : 27 lectures and 12 [x4] exercise) Course Objectives: Upon completion of the course students learn the basics of veterinary anesthesiology needed to conduct a general anesthetic procedure and a loco-regional procedure in large, small and non-conventional animals . LECTURES				
Opening lecture of the	e course	description of the course, its aims , guidance on the conduct of the theory and practice of presentation teaching materials , purpose of anesthesia, history of veterinary anesthesiology ;	1	
1 . ANESTHESIA TO LEAD : A) GENERAL ANESTHESIA (TOT. 7 HOURS)	Introduction to anesthesiology	definition, terminology , the effects of anesthetic drugs , type of anesthesia , the patient's anesthetic classification	1	
acquisition of : a) the correct clinical approach in relation to the changes induced by the anesthetic procedure	general anesthesia:	general considerations , biological variations related to age , sex, race , concomitant diseases , etc. ; genetic variations		
b) knowledge of how the different anesthetic effectS: injectable and inhalation anestethics	general anesthesia:	fa dose-effect relationship, factors that influence the response to the administration of an anesthetic drug ; metabolism : special	1	

		conditions ;	
		recruitment, absorption and distribution of the anesthetic;	
		alveolar tension curve , partition coefficient , minimum alveolar anesthetic concentration of inhalation anesthetics;	1
		recruitment, absorption and distribution of the injectable anesthetic ;	
		recruitment, absorption and distribution of the injectable anesthetics ;	
2. PERFORMING OF GENERAL ANESTHESIA : acquisition of : recognition phases of the anesthetic procedure	stages and levels of general anesthesia :	the recognition of the characteristic signs corresponding to the progressive changes that followed the administration of anesthetic drugs ;	

		stages and levels of general	the recognition of the characteristic signs corresponding to the progressive changes that followed the administration of anesthetic drugs ;	
3.THE PRE- ANESTHETIC PERIOD:	general anesthesia:	components , mixed techniques of anesthesia , anesthetic stages of the proceedings ;	1	
acquisition of : method of clinical evaluation and diagnostic collateral for the	the pre- anesthetic period:	the pre- anesthetic history collection , evaluation of the patient;	1	
	the pre- anesthetic	the pre- anesthetic physical examination , diagnostic side , the patient's physical status classification of anesthesia ;		
	the pre- anesthetic period:	the pre- anesthetic choice of anesthetic technique and protocol	1	
4 . MACHINES AND SYSTEMS FOR THE CONDUCTION OF AN INHALATION	intubation :	general principles , purpose , materials, technique	1	
ANESTHESIA (TOT. 5 HOURS) : acquisition of :	oro-tracheal intubation :	technical - species differences , alternative techniques, complications		
a) the principles, knowledge of the equipment and techniques to carry out	inhalation	description of the individual components and their uses	1	

the oro-tracheal intubation in the various animal species; b) knowledge and applicability of the equipment useful in the conduct of an inhalational anesthesia ;	equipment for inhalation anesthesia:	description of the individual components and their uses; safety standards related to the use of anesthetics ;	
4. APPARECCHI E SISTEMI PER LA CONDUZIONE DI UNA ANESTESIA INALATORIA (TOT. 5 ORE) : acquisizione di: a) dei principi , conoscenza dell'attrezzatura e delle tecniche per procedere alla intubazione oro- tracheale nelle varie specie animali; b)conoscenza ed applicabilità delle apparecchiature utili alla conduzione di una anestesia inalatoria;	equipment for	equipment for inhalation anesthesia : description of the individual components and their uses	
5 . APPARATUS AND SYSTEMS FOR INHALATION ANESTHESIA: (TOT. 2 hours)	breathing circuits :	total and partial rebreathing circuits : description of the components, applicability , advantages, disadvantages	

acquisition of : a) components and their appropriate use in the conduct of inhalation anesthetics in any animal species	breathing circuits	non-rebreathing circuits : components description , applicability , advantages, disadvantages 1	1	
6 . LOCO- REGIONAL	_	definition , history, classification	1	
ANESTHESIA (TOT. 5 HOURS) acquisition of :	anesthesia :	advantages / disadvantages , the use of local anesthetics , mode of action of local anesthetics, scale of pain sensitivity;		
 a) meaning and applicability of loco- regional anesthesia in large and small animal species; b) knowledge of the correct methods of application and possible complications. 	anesthesia :	property , action, metabolism ;	1	
	regional anesthesia :	enhancement - prolongation of action of a local anesthetic	1	
	regional	toxicity of local anesthetics	1	

7 . PROTOCOLS OF MIXED BALANCED ANESTHESIA IN VARIOUS ANIMAL SPECIES		horse , dog, cat , cattle, unconventional species.	pig , small ruminants ,
	PRACTIC	AL EXERCISES	
Topics and acquired skills	Topics	Specific contents	Hours
acquisition of : a) Completion of the anesthesia record ;	The anesthesia record:	This practical exercise , carried out in small groups with tutors aims , to perform the student with the dexterity of an animal EOG.	
 b) the correct approach to the patient anesthesia ; c) Procedures and techniques for tracheal intubation gold ; 	The anestesiological patient:	This practical exercise , performed in the operating room along with the tutor aims to foster the student's approach with the patient in the peri-anesthetic management of the same .	2
d) preparation and use of inhalational anesthesia instruments ;	intubation:	This practical exercise , carried out in small groups with tutors in the laboratory using corpses , aims, to perform the	2

e) execution - loco- regional anesthesia techniques on dead animals.		student with the manual on procedures for oro-tracheal intubation in small species. practical exercise , carried out in small groups with tutors aims , to make the		
2	Machines for inhalation	student learn the procedures necessary for the use of equipment and systems required for general inhalation anesthesia.	2	
	loco-regional	This practical exercise , carried out in small groups with tutors in the lab, on cadavers , aims , to locate landmarks and make the student do the manual work necessary to implement the major anesthesia loco- regional head.	2	
	regional and spinal anesthesia :	This practical exercise, carried out in small groups with tutors in the lab, on cadavers, aims , to locate landmarks and make the student the manual on the implementation of the principal regional and spinal anesthesias.	2	