

Teaching course: Metodologia Clinica Veterinaria
(3 CFU; 39 ore: 26 hours academic lessons and 10 [x4] practical lessons)

Academic lessons

Main subject and acquired competencies	Topic	Specific content	Hours
Opening of the teaching course		Explanation of the course: type of lectures, topics, modalities of assessment.	1
<p>1. CLINICAL APPROACH TO THE PATIENT – “ESAME OBIETTIVO GENERALE” (TOT. 6 HOURS)</p> <p>learning outcomes:</p> <p>a) Correct clinical approach to the sick animal;</p> <p>b) Awareness of the different modalities of the clinical approach;</p> <p>c) Knowledge of the procedures of the physical examination</p> <p>d) Knowledge of the different parts and procedures of the general physical examination (esame obiettivo generale - EOG)</p>	Signalement and Anamnesis	Patient signalament: Clinical relationship with age, sex, breed of the animal. Collection of the history of the patient: main complaint, recent, remote and environmental analysis.	1
	Procedures of the physical examination	Inspection; Palpation; Percussion; Auscultation	1
	General physical examination (esame obiettivo generale - EOG)	Skeletal development and body condition score	1
		Mental status and behaviour - Observation of signs and attitudes	1
		Skin and subcutaneous tissue; Mucous membranes ; Appreciable Lymphnodes;	1
		Temperature, Pulse, Breathing and Main physiologic functions	1
<p>2. THE NEUROLOGICAL EXAMINATION (ESAME OBIETTIVO PARTICOLARE DELL'APPARATO NERVOSO) (TOT. 6 HOURS)</p> <p>Learning outcomes:</p> <p>a) Correct clinical approach to the neurologic patient;</p> <p>b) knowledge of the signs reflecting the impairment of the different parts of the Nervous System</p> <p>c) Knowledge of the procedures of the neurological examination</p>	Mental status and behaviour evaluation	Evaluation of the mental status and behaviour and description of their abnormalities.	1
	Posture and gait evaluation	Evaluation of the posture: normal and abnormal. Evaluation of the gait: normal, ataxia, paresis and lameness	1
	Postural and proprioceptive responses; Spinal reflexes	Description of the different procedures used to evaluate the postural and proprioceptive responses and the spinal reflexes.	1
	Cranial nerves examination - muscle tone and trophism; nociception	Description of the different procedures used to evaluate the cranial nerves, nociception and muscle tone and trophism	2
	Principles of the neuroanatomical localization of the lesion	Description of the process used to anatomically localize the neurologic lesion.	1

<p>3. THE EXAMINATION OF THE RESPIRATORY SYSTEM (ESAME DELL'APPARATO RESPIRATORIO) (TOT. 4 HOURS)</p> <p>Learning outcomes: a) Correct clinical approach to the patient with respiratory dysfunction b) knowledge of the signs reflecting the impairment of the different parts of the respiratory System c) Knowledge of the procedures of the examination of the respiratory system</p>	Evaluation of respiration	Clinical signs reflecting the physiopathology of the respiration _ coughing and respiratory distress	1
	Evaluation of the upper respiratory airways	Evaluation of the narix, pharynx, larinx, trachea and large bronchi	1
	Evaluation of the lower respiratory airways	Evaluation of the small bronchi and pulmonary tissue: normal and pathologic sounds;	1
	Evaluation of the respiratory system in the horse and cattle	Procedures to evaluate the respiratory system in the horse and cattle.	1
<p>4. THE EXAMINATION OF THE GASTROINTESTINAL (GI) SYSTEM (TOT. 4 HOURS)</p> <p>Learning outcomes: a) Correct clinical approach to the patient with gastrointestinal dysfunction b) knowledge of the signs reflecting the impairment of the different parts of the gastrointestinal system c) Knowledge of the procedures of the examination of the gastrointestinal system</p>	Major signs of GI dysfunction	Clinical approach to vomitus and diarrhoea	1
	Examination of the mouth, oesophagus, abdomen in the monogastric species	Inspection of the mouth and pharynx. Inspection, palpation, percussion of the abdomen. Rectal examination	1
	Examination of the GI tract of the cattle	Description of the procedures of the evaluation of the rumen. Procedures to elicit abdominal pain.	1
	Examination of the GI tract of the horse	Description of the procedures of the evaluation of the GI tract in the horse. Description of the rectal examination in the horse	1
<p>5. EVALUATION OF THE CARDIOCIRCULATORY SYSTEM (TOT. 4 HOURS)</p> <p>Learning outcomes: a) Correct clinical approach to the patient with cardiocirculatory dysfunction b) knowledge of the signs reflecting the impairment of the different parts of the cardiocirculatory system c) Knowledge of the procedures of the examination of the cardiocirculatory system</p>	Evaluation of the peripheral circulation – Arterial pulse	Description of peripheric oedema, venous stasis. The semiological evaluation of the arterial pulse	1
	Exam of the heart in the dog and cat	Physical examination of the heart: Inspection, palpation, percussion and auscultation	1
	Heart murmurs. Arrhythmias	Description of the different types of heart murmurs and arrhythmias.	1
	Exam of the heart in the horse and cattle	Physical examination of the heart: Inspection, palpation, percussion and auscultation	1
Practical lessons			
Main subject and acquired competencies	Topic	Specific content	Hours

<p>Learning outcomes:</p> <p>a) <i>Handling of the animal</i> b) <i>adequate clinical approach to the patient;</i> c) <i>ability to perform a thorough physical examination of the different systems.</i> d) <i>ability to evaluate the clinical signs of dysfunction of the different systems</i></p>	Procedures of the general physical examination (EOG)	Practical hands-on clinical work, made in small groups of supervised students. Students perform the procedures of the general physical examination (EOG) in the horse, cattle and dog.	2
	Procedures of the neurological examination	Practical hands-on clinical work, made in small groups of supervised students. Students perform the procedures of the neurological examination in the dog	2
	Procedures of the respiratory system examination	Practical hands-on clinical work, made in small groups of supervised students. Students perform the procedures of the respiratory system examination in the horse, cattle and dog	2
	Procedures of the Gastrointestinal system examination	Practical hands-on clinical work, made in small groups of supervised students. Students perform the procedures of the gastrointestinal system examination in the horse, cattle and dog.	2
	Procedures of the Cardiacirculatory system examination	Practical hands-on clinical work, made in small groups of supervised students. Students perform the procedures of the cardiacirculatory system examination in the horse, cattle and dog.	2