

SEMIOLOGY 2

Study program	Veterinary Medicine
Year of study	III
Semester	06
Regime of discipline	DOB
Category of discipline	Dsc
Number of lectures hours per week	2
Number of seminar/laboratory/project hours per week	3
Total number of hours according to the curriculum: lectures/seminars/laboratory/project	28/42
Number of transferable credits	4

SPECIFIC SKILLS

Professional Competence	<p>C1 The students acquire the knowledge required for clinical examination of both farm and companion animals. The techniques for approach and restraint are an imperative for any clinical exam. General examination techniques that are learned and practiced in the Semiology class are the basis for the clinical examination, for acquiring the information necessary for establishing a correct diagnostic.</p> <p>C1 Special examination of organs and systems is necessary for a correct and complete examination of an animal. The signs that may be expressed by an animal must be recognized and understood.</p> <p>C2 The students have contact for the first time with an animal from a clinical point of view. The students learn to use specific instruments and to interpret and request paraclinical tests required for a correct diagnosis.</p>
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LEARNING OUTCOMES

Knowledge	It provides absolutely necessary theoretical and practical knowledge for the following years (IV, V, and VI), when they will move on to the stage of learning clinical disciplines.
Skills	The student gains the ability to use the clinical tools specific for examining the animal and for correctly diagnosing the disease
Responsibility and autonomy	Students acquire the necessary knowledge in order to carry out a correct and complete clinical examination, so as to obtain a prompt, certain, and positive diagnosis, which then allows the prescription of the correct treatment.

COURSE OBJECTIVES

General objective of the course	To learn the general and special examination techniques. To correlate the signs observed during clinical examination to their morpho-functional base.
Specific objectives	<ul style="list-style-type: none"> • To be able to apply correctly the general and special examination techniques. • To acquire the algorithm for taking the history of a case, • To be able to interpret the clinical findings • To be able to correlate the clinical findings with the knowledge from the previous years (Anatomy, Physiology, Physiopathology, Clinical Anatomy). • To be able to conduct a clinical examination for a specific organ or system • To be able to formulate a hypothesis for the cause of the signs observed <p>To be able to conduct a complete clinical examination for farm animals and companion animals</p>

COURSE CONTENT

Topic no. 1 Examination and semiology of the cardiovascular and lymphohematopoietic system.	Number of hours 8
Topic no.2 Examination and semiology of the urinary system.	2
Topic no.3 Examination and semiology of the genital system.	2

Topic no.4 Examination and semiology of the locomotor system.	2
Topic no.5 Examination and semiology of the nervous system.	8
Topic no.6 Examination and semiology of the endocrine system.	2
Topic no.7 Blood examination	2
Topic no.8 Examination of rumen fluid and fecal matter.	1
Topic no.9 Examination of urine and CSF.	1

LECTURES	Number of hours
Examination and semiology of the cardiovascular system.	15
Examination of the urinary and genital apparatus.	3
Examination of the locomotor apparatus.	6
Examination and semiology of the nervous system.	15
Examination and semiology of the endocrine system.	3

BIBLIOGRAPHY:

1. Peter G.G. Jackson & Peter D. Cockcroft - Clinical Examination of Farm Animals - Blackwell Publishing Company, 2009
2. A. Rijnberk et. al. - Medical History and Physical Examination in Companion Animals – SAUNDERS Elsevier 2009
- 3 Richard W. Nelson, G. Guillermo Couto - Small Animal Internal Medicine – Mosby Elsevier, 2009

ASSESSMENT

Activity type	Assessment criteria	Assessment methods	Percentage of final grade
Lectures	Knowing the basic concepts of the discipline and explaining the inter dependencies between them.	Clasic examination (oral)	50%
Seminar/laboratory/clinical sessions	Practical skills for a correct and complete clinical examination of an animal	Practical evaluation	50%
Other activities			

Course coordinator: S. Lect. PhD. Pop Călin

Practical activities coordinator L/S/P: Assist. Prof. PhD student Popa Ionela