

Internal medicine clinic and clinical lectures on species 1

Study program	Veterinary Medicine
Year of study	IV
Semester	VII
Regime of discipline	DOB
Category of discipline	Dsc
Number of lectures hours per week	2
Number of seminar/laboratory/project hours per week	2
Total number of hours according to the curriculum: lectures/seminars/laboratory/project	28 hours of lectures/28 hours of laboratory
Number of transferable credits	5

SPECIFIC SKILLS

Professional Competence	<p>C₁ - strengthening the theoretical knowledge and practical skills regarding clinical examination of the animals by semiological techniques, species-specific.</p> <ul style="list-style-type: none"> - explaining the occurrence of clinical signs by physiological and pathological mechanisms underlying digestive medical disease outbreaks; - application of laboratory diagnostic techniques to establish and implement a treatment as early and effectively; - application of therapeutic principles and drug administration techniques (route of administration, frequency and duration of treatment, persistence), correlated with the diagnosis and prognosis of the digestive medical diseases; <p>C₅ – indication of the nutritional and metabolic status in consonance with the principles of maintenance, feeding, production, and reproduction;</p> <p>C₆– providing skills necessary to perform scientific research in veterinary medicine.</p>
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LEARNING OUTCOMES

Knowledge	The student or graduate explains the main pathological mechanisms and the structures of the animal body and defines clinical examination methods, disease signs in animals, and diagnostic tools for internal diseases, including some imaging techniques.
Skills	<p>Explains the main techniques used in the clinical examination of animals and applies the primary diagnostic methods for digestive diseases. Communicates effectively with clients, the public, professional colleagues, and authorities, using language appropriate to the audience.</p> <p>Works efficiently within multidisciplinary teams and demonstrates the ability to critically evaluate scientific literature and professional presentations. Applies the principles of clinical governance and evidence-based veterinary medicine to support clinical decision-making and the advancement of veterinary knowledge, to improve animal care and veterinary public health.</p> <p>Obtains accurate and relevant medical histories for individual animals or groups of animals and their environment. Handles and restrains animals safely and respectfully. Performs complete clinical examinations, makes appropriate clinical decisions, develops treatment plans, and administers therapy while considering available resources. Understands the role of imaging and other diagnostic techniques in establishing a diagnosis.</p>
Responsibility and autonomy	Assesses the health status of patients using semiological methods and clinical procedures. Prepares clinical observation sheets and medical records. Develops, adapts, and evaluates veterinary treatments using appropriate doses, while preventing adverse reactions and ensuring food safety and environmental protection. Applies biosecurity principles correctly, including equipment sterilization and clothing disinfection.

COURSE OBJECTIVES

General objective of the course	Consolidating theoretical training and practical skills regarding clinical examination in animals. Also, the development of correlative interpretation skills of the clinical signs and paraclinical exams to establish the diagnosis of diseases, regardless of their causal nature, also to prevent them efficiently. Ensuring the skills necessary to perform
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	scientific research in the field of veterinary medicine.
Specific objectives	<p>Proper use of medical scientific language to describe digestive medical diseases using an approach algorithm (definition, etiopathogenesis, clinical, pathological changes, diagnosis, prognosis, development, prevention, treatment).</p> <p>Explaining the pathophysiological mechanisms that lead to digestive disorders. Arguing or ruling out the diagnosis of digestive disorders based on clinical and laboratory results interpretations.</p> <p>Integrating the theoretical knowledge and results of clinical and paraclinical investigations with diagnosis, also to establish a correct therapeutic management in digestive disorders.</p> <p>Learning the specific language and writing the clinical documents (observation sheet, consulting register, recipes, sending specific notes for blood, urine, faecal, rumen liquid tests etc.).</p> <p>Strengthening the knowledge and skills (intellectual and practical) of scientific investigations of the digestive system disorders.</p>

COURSE CONTENT

LECTURES	Number of hours
Oral cavity and salivary glands diseases	4
Pharynx diseases	2
Esophagus diseases	4
Prestomach diseases	6
Stomach diseases	6
Intestines diseases	6
SEMINAR/LABORATORY	Number of hours
Observation sheet: clinical plan for examining the digestive system in polygastric animals	6
Observation sheet: clinical plan for examining the digestive system in monogastric animals	6
Gastrointestinal syndrome in small animals	4
Fluid therapy, enteral feeding methods	4
Monogastric clinical cases	6
Assessment test and PowerPoint presentation on the assigned topic	2

BIBLIOGRAPHY:

1. Cristina Văduva – 2019 – Internal medicine – Practical works for 4th year study, Ed Agroprint
2. Ettinger, S.J., Feldman, E.C. -2010- Veterinary internal medicine, Ed. Saunders
3. Nelson, R.W., Couto, C.G. – 2009 – Small animal internal medicine (4th edition), Ed. Mosby
4. Radostis, O, Gay C., Hinchliff K, Constable P. – 1998 - Veterinary Medicine: A textbook of the diseases of cattle, horses, sheep, pigs and goats, 10 edition, Saunders Elseviers
5. Bratford P. Smith, 2008, Large Animal Internal Medicine, 4th Edition, Ed. Elsevier.
6. Course notes and PowerPoint presentations (intranet)
7. Merk & Co Inc Merial 2010- Merk & Co Inc.

ASSESSMENT

Activity type	Assessment criteria	Assessment methods	Percentage of final grade
Lectures	Description of the digestive medical diseases using adequate language. Applying characteristic pathophysiology knowledge common to systemic disorders and the ability to integrate this knowledge into the clinical context of gastrointestinal diseases in animals. Diagnostic establishment and therapeutic management by integration of theoretical knowledge and clinical and laboratory investigation	Test exam, containing 10 questions. Students will answer and present the answers orally.	50%
Seminar/laboratory/clinical sessions	Clinical examination plan with completion of the clinical examination chart Case presentation with diagnosis, differential diagnosis, and therapy	Practical exam – case solving and a presentation	50%

Course coordinator: Lecturer Cristina Văduva

Practical activities coordinator L/S/P: Asisst. Dr. Bogdan Florea