PRACTICE 5

Study program	Veterinary Medicine
Year of study	V
Semester	II
Regime of discipline	DOB
Category of discipline	practice
Number of lectures hours per week	
Number of seminar/laboratory/project hours per week	
Total number of hours according to the curriculum: lectures/seminars/laboratory/project	90
Number of transferable credits	4

SPECIFIC SKILLS

Professional Competence	**During the on-call activities and the university veterinary clinics, the students take over the specific attributions mentioned in the Regulation of the University Veterinary Clinics, as follows:** **-take over the cases and draw up a preliminary observation sheet based on a clinical examination;** **-registers the cases in the consultation register from the Reception Service, after which it directs them to the specialized discipline** **-together with the specialized teachers of the hospital doctor participates in the current treatments of the hospitalized animals**

LEARNING OUTCOMES

Knowledge	At the end of the course, the student: • Knows the occupational safety regulations applicable to veterinary and animal-handling activities. • Describes the principles of prevention, surveillance, and diagnosis of infectious and parasitic diseases in animals. • Explains the diagnostic methods for subclinical mastitis in cows. • Knows the stages of necropsy and the mandatory elements of the necropsy report. • Understands the principles of clinical and anatomopathological examination for establishing a diagnosis. • Identifies the determining factors of behavioral disorders and stress in farm animals, as well as preventive measures. • Knows the etiology, diagnosis, and prophylaxis of nutritional and metabolic disorders (ketosis, iron-deficiency anemia, enzootic myodystrophy, hypotrophy, etc.). • Describes the sources of intoxication in animals, toxicological diagnostic methods, and the principles of antidote therapy. • Knows the indications and main steps of common surgical interventions in veterinary practice. • Explains the methodology of gynecological examination and the management of infertility in females. • Knows the physiology and pathology of the puerperal period and the preventive measures. • Defines the synthetic reproductive indicators (natality, service period, calving interval) and their importance. • Knows the veterinary sanitary workflows in units for the production and processing of animal-origin products. • Identifies the types of veterinary sanitary documents and their role.
Skills	At the end of the course, the student is able to:

	• correctly apply occupational health and safety regulations in clinical and field activities; • participate in prevention and diagnosis activities of infectious and parasitic diseases; • perform tests for the detection of subclinical mastitis in cows and interpret the results; • carry out necropsies under supervision and complete the necropsy report; • perform general clinical examinations and a preliminary anatomopathological examination; • identify signs of stress and behavioral disorders in farm animals and propose corrective measures; • conduct nutritional assessments and individual and group clinical examinations; • collect samples for metabolic profiling and toxicological examination; • apply preventive and therapeutic treatments in metabolic disorders and intoxications, under supervision; • identify and treat nonspecific and nutritional dermatopathies; • assist in surgical procedures and perform basic techniques under aseptic conditions; • perform gynecological examinations and monitor females treated for infertility; • monitor the puerperal period and identify uterine disorders; • calculate and interpret reproductive performance indicators; • participate in sanitary-veterinary activities in production and processing units; • correctly complete standard veterinary sanitary documents.
Responsibility and autonomy	At the end of the course, the student: • complies with biosecurity, occupational health and safety, and animal welfare regulations in all practical activities; • works responsibly within the veterinary team, respecting the professional hierarchy; • applies diagnostic and treatment protocols under the supervision of a veterinarian; • demonstrates accuracy and rigor in sample collection and in completing official documents; • critically evaluates the clinical condition of animals and promptly reports observed changes; • assumes responsibility for the correctness of procedures performed as a trainee student; • complies with the ethical and deontological standards of the veterinary profession; • demonstrates progressive autonomy in routine practical activities, within the limits of their competence; • contributes to maintaining traceability and safety of products of animal origin; • shows commitment to continuous learning and professional development.

COURSE OBJECTIVES

General objective of the course	-training of professional skills in carrying out their tasks as future veterinarians
Specific objectives	-familiarization with administrative issues and veterinary health legislation

COURSE CONTENT

LECTURES	Number of hours
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SEMINAR/LABORATORY	Number of hours
1. Works protection training; 2. Participation of students in veterinary health actions for the prevention and diagnosis of infectious and parasitic diseases; 3. Participation of students in the diagnosis of subclinical mastitis în cows; 4. Carrying out autopsies by students and drawing up autopsy documents; 5. Participation of students in the clinical and anatomopathological examination of clinical cases and corpses to establish the diagnosis and perform treatments on sick animals under observation; 6. Participation of students in the recognition, prevention and control of behavioral disorders and stress in farm animals; 7. Student participation in the recognition, prevention and control of nutrition and metabolism disorders in farm animals: - nutritional survey; - individual and group clinical examinations; - sampling for the metabolic profile; - performing preventive and curative treatments in | dysmetabolism (ketosis, iron deficiency anemia, enzootic myodystrophy, hypotrepsia); - identification and treatment of animals with nonspecific and nutritional dermatopathies. 8. Acquisition by students of practical knowledge on animal poisoning: - knowledge of toxic substances in the unit (pesticides, fertilizers); - methodology regarding the clinical examination of intoxications; - collecting samples for laboratory toxicological examination; - performing treatments in intoxications (general antidotes, specific and symptomatic treatments); - toxicological expertise. 9. Participation of students in surgeries on farms and offices. 10.Student's participation in the gynecological survey: - gynecological examination was performed to clarify the diagnosis; - establishing the appropriate treatment to combat sterility; - following the females after the treatment until they enter the heat. 11. Participation of students in the application of measures for the prevention and control of diseases: - frequency of retention of fetal appendages; - tracking females in the puerperal period; - frequency of uterine diseases. 12. Students' knowledge and follow-up of: synthetic reproduction indicators (birth rate, service periods, calving-interval). 1 13. Direct participation in the veterinary sanitary activity in production units with specific for obtaining, industrializing and storing the products of animal origin. 14. Assimilation by students of the preparation and completion of veterinary health documents: - veterinary health certificate for the transport of live animals and products of animal origin; supply plan for medicines and biological products; - the numerical plan of the veterinary sanitary actions; - the movement of livestock; - documents prepared at the end of the month.	

BIBLIOGRAPHY:

ASSESSMENT

Activity type	Assessment criteria	Assessment methods	Percentage of final grade
Lectures			
Seminar/laboratory/clinical sessions	Practical works examination	Oral examination	100%
Other activities			

Course coordinator:
Practical activities coordinator L/S/P: S. Lect. PhD. Crina Birda