

PATHOLOGICAL ANATOMY 2

Study program	Veterinary Medicine
Year of study	III
Semester	II
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	5

SPECIFIC SKILLS

Professional Competence	<p>Skills: applies accumulated knowledge for all clinical disciplines (medical, infectious, parasitology, toxicology, surgery, breeding, CSV, etc.). Use the equipment and knowledge required to carry out a diagnosis of the disease.</p> <p>Discipline of pathological anatomy is part of the specialist disciplines. Cognitive: Acquiring basic knowledge concerning changes to macro-and microscopic pathological processes; changes in organs, mechanisms and systems, with the peculiarities of lezionale organ and species, as well as the correlative study of injuries in order to establish the diagnosis on the assignment.</p> <p>Knowledge of issues related to the morphology of the pathological processes, the relationship between the physical, chemical, and biological damage.</p> <p>Knowledge of Anatomy, histology, Physiology, biophysics, biochemistry, pathophysiology for the proper understanding of the mechanisms through which it can cause injuries or other pathological changes.</p> <p>Continuous assessment of the health status of animals through anatomo-pathologic diagnosis methods (C1).</p> <p>Using microscopic and macroscopic examination morfopatolofic in scientific research for the prevention and control of animal disease (C6).</p>
--------------------------------	--

LEARNING OUTCOMES

Knowledge	<p>Knowledge of macro- and microscopic changes in pathological processes.</p> <p>Understanding the morphology of lesions and the relationship between physical, chemical and biological factors and their occurrence.</p> <p>Correlating lesions to establish morphopathological diagnosis.</p> <p>Using anatomopathological examination to assess the health status of animals and in scientific research.</p>
Skills	<p>Observation and interpretation of pathological lesions.</p> <p>Using morphopathological diagnostic equipment and methods.</p> <p>Applying knowledge in clinical disciplines and in establishing a diagnosis.</p>
Responsibility and autonomy	<p>Correct analysis of pathological changes.</p> <p>Applying anatomopathological diagnostic methods.</p> <p>Contribution to the identification and prevention of diseases in animals.</p> <p>Performing macro- and microscopic morphopathological examinations with a certain degree of independence.</p> <p>Interpreting lesions and formulating morphopathological diagnosis based on the knowledge acquired.</p>

COURSE OBJECTIVES

General objective of the course	To transmit knowledge concerning changes of physico-structural tissues and organs (injuries) which together allow the assignment's diagnosis tissues, organs and systems, and finally to the diagnosis of the disease.
Specific objectives	<p>-Familiarizing students with the appearance and manifestation of pathologic processes.</p> <p>-Familiarizing students with the basics of macro-and microscopic changes in pathological processes; changes in organs, mechanisms and systems, with the peculiarities of lezionale organ and species, as well as the correlative study of injuries in order to establish the diagnosis with metabolic diseases, assignment and infectious invasion from different</p>

	<p>domestic species.</p> <p>They offer future veterinarian theoretical and practical basis of the understanding, knowledge and identification of lezionale organic processes.</p> <p>The students understanding of the various processes involved in the morbid body and at the same time you are "gifted" with postmortem diagnosis technique, one of the ways of diagnosis of utmost importance in the practice of veterinary medicine.</p>
--	---

COURSE CONTENT

LECTURES	Number of hours
Topic no. 1 The blood system and limfopoietic Pathology: Pathology of bone marrow, thymus, Bursa Hematogenous Fabricius and spleen.	2
Topic no. 2 Limphonod and pathology of lymphoid tissue disseminated cardio-vascular pathology: pericardial pathology.	2
Topic no. 3 Cardio-vascular pathology: pathology myocardium, the endocardium, the arteries, veins and lymphatic vessels	2
Topic no. 4 Respiratory Pathology: pathology of the Airways and lungs in mammals.	2
Topic no. 5 Thoracic cavity pathology respiratory Pathology in fowls.	2
Topic no. 6 Digestive Pathology pathology of the oral cavity, pharynx, esophagus.	2
Topic no. 7 Digestive pathology Pathology stomach Lesions prestomacale compartments to stomach the Pathology mammals' birds.	2
Topic no. 8 Digestive bowel Pathology pathology, salivary glands, pancreas, liver and abdominal cavity.	3x2=6
Topic no. 9 Urinary Pathology: Pathology kidneys urinary bladder.	2
Topic no. 10 Male genital Pathology: pathology testes and epididymis Tunica vaginal Pathology: Pathology of spermatic cord funicul Seminal gland prostate Pathology: Pathology of the penis and foreskin.	2
Topic no. 11 Female genital system Pathology: pathology of salpinx ovary/uterus Pathology of oviduct of the vagina and vulva breast pathology.	2
Topic no.12. Pathology of the nervous system (central nervous system and the peripheral nervous system), faners skin Pathology, eyeballs and piping.	2
Topic no. 13 Musculoskeletal Pathology: pathology of bone tissue, joints, muscles, tendons, bursae and synovial sheaths of the well-known.	2
Topic no. 14. Endocrine system adrenal gland Pathology: Pathology of hypophysis, thyroid, epiphysis, adrenal, parathyroid glands.	2
SEMINAR/LABORATORY	Number of hours
Topic no. 1 The cardiovascular lesions	3
Topic no. 2 Hematopoietic organ examination	3
Topic no. 3 Examination of the respiratory apparatus	3
Topic no. 4 Examination of the digestive system	3
Topic no. 5 Excretory apparatus lesions exam	3
Topic no. 6 Genital lesions exam	3
Topic no. 7 Examination of the nervous system	3
Topic no. 8 Examination of musculoskeletal injuries	3
Topic no. 9 The lesions with metabolic diseases examination	3
Topic no. 10 The virosis lesions exam (I)	3
Topic no. 11 The virosis lesions exam (II)	3
Topic no. 12 Lesions in the bacteriosis exam (I)	3
Topic no. 13 Lesions in the bacteriosis exam (II)	3
Topic no. 14 The lesions in parasitosis	3

BIBLIOGRAPHY:

1. ADRIAN STANCU, (2014) – General veterinary Pathological Anatomy, Ed. Agroprint Timisoara, Timișoara.
2. ADRIAN STANCU, (2014) – Special veterinary Pathological Anatomy, Ed. Agroprint Timisoara, Timișoara.
3. ADRIAN STANCU, (2014) – Practicum of veterinary pathological anatomy, Ed. Agroprint Timișoara.

ASSESSMENT

Activity type	Assessment criteria	Assessment methods	Percentage of final grade
Lectures	Communication of information using correct scientific language used within the specialist discipline of pathological anatomy. Knowledge of the basic concepts of discipline and the appropriation of their own. Originality and justetea responses in constructing arguments pro/contra. Demonstrating a coherent, logical thinking, exposing some of the ideas and the ability to apply theoretical knowledge in solving practical problems.	Oral examination with two topics	60%
Seminar/laboratory/clinical sessions	Applying acquisitions in providing examples, in carrying out analyses, in solving exercises, problems, in supporting arguments, etc. Using the discipline's own acquisitions in the inter-, intra-, multi- and/or transdisciplinary approach to problem problems/situations.	Periodic evaluation (by oral evaluation samples/written). Practical examination.	40%
Other activities			

Course coordinator: Prof. Ph.D. Stancu Adrian

Practical activities coordinator L/S/P: Prof. Ph.D. Stancu Adrian, S. Lect. Ph.D. Adrian Olariu-Jurca