

Course Unit Descriptor

Study Programme: Veterinary medicine			
Course Unit Title: Special pathophysiology			
Course Unit Code: 3IBM6O28			
Name of Lecturer(s): Branislava Belić, Marko Cincović			
Type and Level of Studies: Undergraduate Academic Studies			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): summer			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face to face			
Number of ECTS Allocated: 5			
Prerequisites: Special pathophysiology			
Course Aims: The aim of this course is that students acquire: 1) knowledge of the pathophysiological processes that exist in disease conditions and processes specific to the various organ systems, 2) the skills of application of laboratory methods and screening panels for evaluation of the health of individual organic system, 3) the ability to on the basis of pathophysiological methods make a conclusion about the type of functional disorder which exists in animals			
Learning Outcomes: Upon completion of the course from this subject and passing the exam, the student should be able to: 1) Briefly describe and determine the most important disorders of the functional status of individual organs and organ systems, 2) link the changes in the functional status of the organs with their causes and signs that are indicative of the disorder, 3) implement laboratory methods in the the diagnosis of the functional status of individual organs and systems 4) draw a conclusion about the type and intensity of disturbance of the functional state on the basis of laboratory findings of the patient, 5) compare and connect the similarities and differences of laboratory analysis in various types of disorders, 6) differ basic functions of disorders of organs and systems and decide for the proper procedures for their proving			
Syllabus: <i>theory</i> The pathophysiology of disorders of red and white blood cells and platelets; The pathophysiology of disorders of gastrointestinal tract, the rumen of ruminants, pancreatic and liver; The pathophysiology of the disorder respiratrnog system; The pathophysiology of disorders of the cardiovascular system; The pathophysiology of disorders of the urinary system, pathophysiology of disorders of the endocrine system; The pathophysiology of disorders of the nervous system, senses and behavior of animals; The pathophysiology of disorders of the musculoskeletal system of animals. <i>Practice</i> Exercise, Other modes of teaching, Study research work Algorithm diagnosis of some organic systems - laboratory screening panels; Laboratory determination of important parameters of diagnostic panel for each organ system; Analysis of the results obtained in laboratory work or the results of cases available from the literature or practice			
Required Reading: Belić B, Cincović R.M. (2012) Praktikum iz patološke fiziologije, Novi Sad Božić T. (Patološka fiziologija domaćih životinja, FVM Beograd			
Weekly Contact Hours:	Lectures: 2	Practical work: 2	
Teaching Methods: Lectures, Practice/ Practical classes, Consultations, study, research work			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	5	written exam	70
Practical work	20	oral exam	
Preliminary exam(s)	5	
Seminar(s)			
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			