

Course Unit Descriptor

Study Programme: Veterinary medicine			
Course Unit Title: General pathophysiology			
Course Unit Code: 3IBM5022			
Name of Lecturer(s): Branislava Belić, Marko Cincović			
Type and Level of Studies: Undergraduate Academic Studies			
Course Status (compulsory/elective): Compulsory			
Semester (winter/summer): winter			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): Face to face			
Number of ECTS 5			
Prerequisites: General pathophysiology			
Course Aims: The subject enables student to acquire: 1) knowledge of the mechanisms of pathological activity of various etiological factors and the characteristics of the general disorders of homeostasis, metabolism and adaptations that occur in the body and which are common cause for the disorder of health of various organs; 2) Skills of applying basic laboratory methods in the pathological physiology; 3) the ability to interpret pathophysiological results and interpretations of the general health conditions of animals			
Learning Outcomes: After mastering the subject matter and passing the exam, the student will: 1) be able to identify, aggregate, enumerate and explain the common etiological factors and adaptation processes in the existence of health disorders, 2) to explain and connect the link between the activity of etiological factors and animal health, 3) to apply appropriate laboratory standards for proper diagnosis of common health disorders, 4) on the basis of given cases perform analysis of laboratory results and draw a conclusion about the type of general medical disorders that exist, 5) to organize and collect all the relevant information about the activity of the etiological factors and the types of changes that in the body caused by, 6) to evaluate the degree of disturbance of animal health in the accordance with the findings and strength of causative agents activity.			
Syllabus: <i>theory</i> Definition and place of pathological physiology, pathophysiology operation etiological factors, pathophysiology homeostasis - general considerations, the pathophysiology of stress and general adaptation syndrome in animals, pathophysiology of inflammation, immune response and septic shock, Pathophysiology of tumor proliferation, pathophysiology of disorders metabolisms water, Pathophysiology of acid-base rabnoteže, the pathophysiology of disorders of fat metabolism, protein, carbohydrates and ions, disruption of energy metabolism of animals. <i>Practical:</i> Exercise, Other modes of teaching, Study research work Methods of laboratory work in pathological physiology; Review and analysis of laboratory findings in experimental models of burns, freezing, ionizing radiation, acute stress; Determination pokazateljja inflammation; Determination of parameters in septic shock; The main laboratory findings in paraneoplastic syndromes; Diagnosis of disorders of metabolism of fats, proteins, carbohydrates and ions			
Required Reading: Belić B., Cincović R.M. (2012) Praktikum iz patološke fiziologije, Poljoprivredni fakultet Novi Sad Božić T. (2012) Patološka fiziologija domaćih životinja, FVM Beograd			
Weekly Contact Hours:		Lectures: 2	Practical work: 3
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.			