Course Unit Descriptor

Study Programme: Veterinary medicine	
Course Unit Title: Clinical pathophisiology and laboratory diagnostics	
Course Unit Code: 3IVM11I72	
Name of Lecturer(s): Branislava Belić, Marko Cincović	
Type and Level of Studies: Undergraduate Academic Studies	
Course Status (compulsory/elective): Elective	
Semester (winter/summer): winter	
Language of instruction: English	
Mode of course unit delivery (face-to-face/distance learning): Face to face	
Number of ECTS Allocated: 5	
Prerequisites: Clinical pathophisiology and laboratory diagnostics	

Course Aims:
The aim of this course is that student acquire: 1) knowledge of the pathophysiology of various internal diseases of animals. 2) basic skills to recognize the pathophysiological processes in various diseases, 3) capability for proper diagnosis of internal diseases by applying and analyzing functional tests.

Learning Outcomes:
After completing the course and passing the exam, students will be able to: 1) define and describe the pathophysiological processes in a large number of internal diseases of animals, 2) identify and institutions differential diagnosis based on current symptoms and functional laboratory tests, 3) select appropriate diagnostic tests and construct etiopathogenesis of the disorder that exists in animals, 4) do analysis and classification of laboratory tests in various clinical cases, 5) provide an argument about possible complications and outcomes of diseases according to the changed functional status of organs and systems, 6) rank the various complications of diseases according to the presence of compensatory process.

Syllabus:
theory
Clinical pathophysiology and etiopathogenic algorithms occurrence of disorders of hemostasis, formed blood, gastrointestinal tract, associated with digestive glands, respiratory system, cardiovascular system, urinary system, endocrine system, nervous system, musculoskeletal system of animals.
Practical teaching: Exercise, Other modes of teaching, Study research work
For all types of disturbances will be conducted exercises to clinical cases. For each case will be given an introduction, then etiopatogenskog solving algorithm, then the laboratory and the other is that the disorder is confirmed and their interpretation. The analysis of as many proles pathophysiological indicators in a variety of clinical disorders, students will gain knowledge about the application of clinical pathological physiology in their daily work.

Required Reading:
Latimer K.S. (2011) Duncan and Praces veterinary laboratory medicine – clinical pathology, Willey-Blackwell
Thrall M.A., Weiser G., Allison G., Campbell T. (2012) Veterinary hematology and clinical chemistry, Willey-Blackwell

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.