

Course Unit Descriptor

Study Programme: Veterinary medicine			
Course Unit Title: Clinical hematology and biochemistry of pets			
Course Unit Code: 3IVM11O69			
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 2			
Prerequisites: Clinical hematology and biochemistry of pets			
Course Aims: The aim of this course is that students acquire: 1) knowledge about the hematological and biochemical signs of major health problems in pets, 2) Skills of applying basic laboratory methods in clinical hematology and biochemistry, 3) ability to perform diagnosis and differential diagnosis using hematological and biochemical laboratory findings			
Learning Outcomes: When student masters and pass the exam will be able to: 1) define and describe the hematological and biochemical findings in various diseases of pets, 2) connect and explain the relationship between biochemical and haematological disorders and the existence of various diseases, 3) recognize and evaluate pathognomonic laboratory findings, 4) implement the most important laboratory technique in the the diagnostic process, 5) evaluate the the results obtained from laboratory analysis, 6) make judgments about the existence of complications and outcome of the disease.			
Syllabus: <i>theory</i> Clinical hematology and biochemistry - hematology and biochemical markers in the diagnosis of major disorders of homeostasis, diseases of digestive organs, respiratory diseases, cardiovascular diseases, diseases of the urinary organs, endocrine diseases, diseases of the nervous system, diseases of the musculoskeletal system of animals. <i>Practical teaching:</i> Exercise, Other modes of teaching, Study research work Laboratory determination of the main hematological and biochemical markers in the diagnosis of major disorders of homeostasis, diseases of digestive organs, respiratory diseases, cardiovascular diseases, diseases of the urinary organs, endocrine diseases, diseases of the nervous system, diseases of the musculoskeletal system of animals. Case studies and clinical examples			
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: 1	Practical work: 1	
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.			