

Study Programme:Vetrinary medicine			
Course Unit Title: Clinical diagnostic methods of dysbiosis of ruminants			
Course Unit Code: 3DVM2I29			
Name of Lecturer(s): Miodrag Radinović			
Type and Level of Studies: doctoral			
Course Status (compulsory/elective): elective			
Semester (winter/summer):			
Language of instruction: serbian			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 6			
Prerequisites:			
Course Aims: The goal of this course is to learn the most important rumen disruptions of ruminants, as well as clinical diagnostics			
Learning Outcomes: Students will have the necessary scientific knowledge related to the malfunctioning of rumen related primarily to balance the microflora. Students will be introduced to the methods of clinical examination of rumen and diagnosis of disorders.			
Syllabus: Introductory lecture, the physiological parameters of the rumen. Etiologic factors for dysbiosis. Correlation between motor disorders and the occurrence of ruminal dysbiosis. PH values disorders and relation with dysbiosis. Clinical examination of the animals in order to diagnose functional disorders of rumen. Auscultation and percussion of the rumen wall. Assessment tool based on the number of rumen contractions, increases and decreases in the number of contractions. Taking rumen contents with minimal stress of animal. View the contents of the rumen in order to assess the activities of infusoria. Determination of the pH of the rumen contents.			
Required Reading: Sergei Forenbaher, D. Žubčić, gastrointestinal disease of domestic animals and, Zagreb 2010. Šamanc Horea, diseases of the digestive tract of cattle, Belgrade 2009.			
Weekly Contact Hours:	Lectures: 3	Practical work: 3	
Teaching Methods: The method of oral presentation and discussion, the method of written work (essay), Method of practical work on the farm of milking cows			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	8	written exam	
Practical work	8	oral exam	45
Preliminary exam(s)	14	

Seminar(s)	25		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			