

Course Unit Descriptor

Study Programme: Veterinary medicine		
Course Unit Title: Physiology of zoo animals		
Course Unit Code: 3IVM6I95		
Name of Lecturer(s): Dr Zdenko Kanački, associate professor		
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: 2		
Prerequisites: None		
Course Aims: The subject enables student to acquire: 1. knowledge of the morphological and physiological specificities of animals in zoos, as well as the organization and placement of animals in zoos; 2. skills to organize and evaluate the quality of housing and the keeping of animals in zoos; 3. skills to solve specific tasks in the field of breeding and the keeping of animals in zoos.		
Learning Outcomes: Upon completion of the course from this subject, student should be able to: 1. define and explain the concepts related to the morphological and physiological characteristics of animals in zoos; 2. describe and analyze the organization of work at a zoo; 3. estimate housing conditions for some species; 4. solve specific problems related to breeding and keeping of animals in zoos; 5. apply the basic techniques in the manipulation procedures with animals in zoos.		
Syllabus: <i>Theory:</i> The concept and definition of the zoo; Historical development of a zoo; The importance and role of a zoo; Organization and types Zoo gardens; Specific behavior of animals in zoos; Providing food and water for the animals in the zoo; Providing an appropriate environment; Control of reproduction and number of animals in zoos; Management of Zoo animals; The movement and restrict of the movement of animals in zoos; Security measures in zoos; Statutory legislation; Morphological and physiological characteristics of certain groups of animals in zoos; Fundamentals of pathology and therapy of animals in zoos; The role and importance of a veterinarian at the Zoo; Basis of preparation of animals. <i>Practice:</i> Morphological and physiological specificity of certain species of animals in zoos; Terms of accommodation and care of wild animals in captivity.		
Required Reading: Miller E., Lamberski N., Calle P.: Fowler's Zoo and Wild Animal Medicine, Volume 9, First edition. Elsevier, 2019. Čupić, V., Katananovski, D., Popović, N., Palić, T.: Osnovi biologije kliničke patologije i terapije nedomestifikovanih kućnih ljubimaca. Fakultet veterinarske medicine, Beograd, 1999. Stevanović, J., Stanimirović, Z.: Uzgoj i nega životinja u Zoo vrtovima. Fakultet veterinarske medicine, Beograd, 2011. Hosey G, Melfi V, Pankhursts S.: Zoo Animals: Behaviour, Management, and Welfare. OXFORD University Press Inc., New York, 2010.		
Weekly Contact Hours: 2	Lectures: 1	Practical work: 1
Teaching Methods: Lectures and practical classes.		
Knowledge Assessment (maximum of 100 points):		

Pre-exam obligations	points	Final exam	points
Lecture attendance	5	written exam	70
Exercise attendance	5		
Seminar(s)	20		

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