

Course Unit Descriptor

<b>Study Programme:</b> Veterinary Medicine			
<b>Course Unit Title:</b> Histology and embryology 1			
<b>Course Unit Code:</b> 3IVM2O10			
<b>Name of Lecturer(s):</b> Gordana M. Ušćebrka, PhD, Full Professor; Slobodan Z. Stojanović, PhD, Associate Professor			
<b>Type and Level of Studies:</b> Undergraduate Academic Studies			
<b>Course Status (compulsory/elective):</b> Compulsory			
<b>Semester (winter/summer):</b> Summer			
<b>Language of instruction:</b> English			
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face			
<b>Number of ECTS Allocated:</b> 5			
<b>Prerequisites:</b> Biology			
<b>Course Aims:</b> The course allows student to acquire: 1. knowledge of the functional organization of eukaryotic cells and the microscopic structure of tissues (epithelial, connective, muscle, nervous); 2. skills to recognize the characteristic histological structure of cells and tissues microscopy; 3. the ability to understand the interconnections between cell organelles, as well as between the above mentioned tissues and organs.			
<b>Learning Outcomes:</b> Upon completion of the course of this subject and passing the exam, student should be able to: 1. define and explain the terms from the field of cell and cell organelles; 2. describe the basic histological features of tissues (epithelial, connective, muscle, nervous); 3. analyze structure of cells, cell organelles, and mentioned tissues; 4. establish a mutual connection between cell organelles, as well as between the above mentioned tissues; 5. apply knowledge and skills in further studies in veterinary medicine, particularly in the field of Histology with Embryology 2, pathological morphology, diagnosis, and others.			
<b>Syllabus:</b> <i>Theory</i> Introduction, Cell membranes, Cytoplasm, Cell components, Cytoskeleton, Types of tissues, Epithelial tissue, Connective tissue, Muscle tissue, Nerve tissue. <i>Practice</i> Microscope, Histological techniques, Cell, Cell components, Epithelial tissue, Connective tissue, Muscle tissue, Nerve tissue.			
<b>Required Reading:</b> 1. Gledić, D. (2012) Veterinarska histologija. Veterinarska komora Srbije. Beograd. 2. Junqueira, L., C. Carneiro, J. (2005) Osnovi histologije. Data Status, Beograd. 3. Pantić, V. (1995) Embriologija. Savremena administracija, Medicinska knjiga, Beograd. 4. Aughey, E., Frye, F. L. (2001) Comparative Veterinary Histology with Clinical Correlates. Manson Publishing. 5. Ušćebrka G, Žikić D., Stojanović, S. (2017) Radna sveska iz Histologije sa embriologijom 1. Novi Sad.			
<b>Weekly Contact Hours:</b> 4	<b>Lectures:</b> 2	<b>Practical work:</b> 2	
<b>Teaching Methods:</b> Lectures, Practical classes, Consultations, Research work			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	5	written and oral exam	55
Tests	2x20		