

Study Programme: Veterinary Medicine			
Course Unit Title: Histology and embryology 2			
Course Unit Code: 3IVM3O12			
Name of Lecturer(s): Gordana M. Ušćebrka, PhD, Full Professor; Slobodan Z. Stojanović, PhD, Associate Professor			
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 Allocated: 6			
Prerequisites: Anatomy 1, Anatomy 2, Histology and embriology 1			
Course Aims: The course allows student to acquire: 1. knowledge in the field of the microscopic structure of organs and organ development from the conception until the moment of birth; 2. skills to recognize the characteristic histological structure of systems of organs (circulatory, digestive, respiratory, urinary, endocrine, reproductive, skin, senses); 3. the ability to understand the interconnections between organs inside systems of organs, between different systems of organs, as well as the influence of embrional development on postnatal characteristics of organism.			
Learning Outcomes: 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 the histological structure of organs; 2. describe the basic characteristics of embrional development of tissues and organs; 3. analyze histological structure of organs; 4. establish a mutual connection between organs inside systems of organs, between different systems of organs, as well as the influence of embrional development on postnatal characteristics of organism; 5. apply knowledge and skills in further studies in veterinary medicine, particularly in the field of pathological morphology, diagnosis, and others.			
Syllabus: <i>Theory</i> Introduction, Circulatory system, Immune system and lymphoid organs, Digestive tract, Respiratory system, Urinary system, Endocrine system, Male reproductive system, Female reproductive system, Skin, Senses, General Embryology, Special embryology. <i>Practice</i> Circulatory system, Immune system and lymphoid organs, Digestive tract, Respiratory system, Urinary system, Endocrine system, Male reproductive system, Female reproductive system, Skin, Senses.			
Required Reading: 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 2. Novi Sad.			
Weekly Contact Hours: 6	Lectures: 3	Practical work: 3	
Teaching Methods: Lectures, Practical classes, Consultations, Research work			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	5	written and oral exam	55
Tests	2x15, 1x10		