

Course Unit Descriptor

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| Study Programme: Veterinary Medicine | | | |
| Course Unit Title: Morphology of embryonic and postnatal development of tissue and selected organs | | | |
| Course Unit Code: 3DVM4I53 | | | |
| Name of Lecturer(s): Gordana M. Ušćebrka, PhD, Full Professor; Slobodan Z. Stojanović, PhD, Associate Professor | | | |
| Type and Level of Studies: Doctoral Academic Studies | | | |
| Course Status (compulsory/elective): Elective | | | |
| Semester (winter/summer): Summer | | | |
| Language of instruction: English | | | |
| Mode of course unit delivery (face-to-face/distance learning): Face-to-face | | | |
| Number of ECTS Allocated: 8 | | | |
| Prerequisites: Scientific research methods, Biostatistics, Courses of elective blocks 1, 2, 3 | | | |
| Course Aims: Introduce students to the morphology of the embryonic and postnatal development of selected organs and tissue characteristics that build them. | | | |
| Learning Outcomes: Students will gain the necessary knowledge in the field of development of morphological characteristics of selected organs from embryonic to postnatal stages of development. Special emphasis will be placed on the morphologic characteristics of those organs which students are selected according to their interests and directions of further development. | | | |
| Syllabus: <i>Theory</i> The embryonic and postnatal development of selected tissues, influence of embryonic period of development to postnatal development of organs, the morphological characteristics of the postnatal development of selected organs. <i>Practice</i> Students will be familiar with modern methods of detection of the development of certain structural components of selected organs using anatomical and histological preparations, and they will be introduced to methods of quantifications of the results. | | | |
| Required Reading: 1. König, H.E., Liebich, H.G. (2009) Veterinary anatomy of domestic mammals. Naklada Slap. Zagreb. 2. Eurell, J.A., Frappier, B.L. (2006) Dellmann's Textbook of Veterinary Histology. Blackwell Publishing. London. 3. Sadler, T.W. (1996) Langmanova medicinska embriologija. Školska knjiga, Zagreb. 4. Петренко, А.Ю., Хунов, Ю.А., Иванов, З.Н. (2011) Стволовые клетки. Луганск „Пресс-экспресс“. 5. Selected papers related to course. | | | |
| Weekly Contact Hours: 8 | Lectures: 4 | | Practical work: 4 |
| Teaching Methods: The method of oral presentation and discussion. Method of presentations, demonstrations, simulations and illustrations on the board and the application of computers with using the appropriate software. Practical laboratory student works with independent student work on a research microscope. | | | |
| Knowledge Assessment (maximum of 100 points): | | | |
| Pre-exam obligations | points | Final exam | points |
| student activity | 5 | Making of complete scientific work | 25 |
| seminar – practical part | 20 | Oral presentation scientific work results | 30 |
| seminar – presenting of results | 20 | | |