

Study program: Doctoral Academic Studies in Biomedical Sciences		
Course title: CURRENT ISSUES IN ANATOMY		
Teacher(s): Siniša S. Babović, Biljana Đ. Srdić Galić, Dušica L. Marić, Mirela M. Erić, Bojana S. Krstonošić, Nikola M. Vučinić		
Course status: elective		
ECTS Credits: 20		
Condition: -		
Course aim The objective of the course is to acquaint doctoral students with current innovations in all fields of anatomy (given according to organ systems, within medical researches and all cross-disciplines of medicine -multidisciplinary approach) which view the body as a whole, morphologically and morpho-functionally, and do not focus only an individual organ or organ system. The course includes studies ranging from the anatomy of myofascia, clinical significance of accessory ossicles, innervation of the intestines, sensory substitution systems in sense organs, to brain plasticity.		
Expected outcome of the course Doctoral studies in Innovations in Anatomy, would enable students to acquire knowledge and experience necessary for independent research work. Students would be introduced to the latest scientific knowledge in these fields, as well as to the modern techniques used in the research. Mentoring would help students acquire ability to identify and solve scientific problems, introduce new techniques and approaches. Through lectures, practical and lab work, students would learn to follow and analyze contemporary scientific literature, develop and conduct original researches and present results of their work at scientific and professional conferences, as well as in scientific journals. As part of the research work, under the guidance of a mentor, students would conduct a research work that would enable them to obtain relevant scientific results to use in their doctoral dissertation.		
Course description <i>Theoretical education</i> 1. Innovations in Anatomy - osteology 2. Innovations in Anatomy – anatomy of human movement 3. Innovations in Anatomy – cardiovascular system 4. Innovations in Anatomy – digestive system 5. Innovations in Anatomy – respiratory system 6. Innovations in Anatomy – urinary sistem 7. Innovations in Anatomy – reproductive system 8. Innovations in Anatomy – sense organs 9. Innovations in Anatomy - nervous system <i>Practical education</i> Practical classes will cover topics of theoretical instruction, consisting of laboratory work and case studies.		
Literature <i>Compulsory</i> 1. Standring S, editor-in-chief. Grey's Anatomy – The Anatomical Basis of Clinical practice. 41 st ed. London: Elsevier Churchill Livingstone; 2016. 2. Waschke J, Böckers TM, Paulsen F. Sobotta Anatomy Textbook. 1 st ed. Munich, Germany: Elsevier GmbH; 2019. 3. Snell RS. Clinical anatomy by regions, 9 th ed. Baltimore: Lippincott Williams & Wilkins, 2012. 4. Moore KL, Dalley AF, Agur AMR. Clinically oriented anatomy, 6 th ed. Baltimore: Lippincott Williams & Wilkins, 2010. 5. Tubbs RS, Shoja MM, Loukas M. Bergman's Comprehensive Encyclopedia of Human Anatomic Variation. New Jersey: John Wiley & Sons; 2016. 6. Brennan AP, Standring MS, Wiseman MS. Gray's Surgical Anatomy. 1 st ed. London: Elsevier, 2020. 7. Crossman AR, Neary D. Neuroanatomy, an illustrated colour text. 6 th ed. London: Elsevier; 2020. 8. Soames R, Palestaga N. Anatomy of human movements. 7 th ed. London : Elsevier 2019. <i>Additional</i> Students will be provided with additional literature in each methodical unit of theoretical instruction.		
Number of active classes	Theory: 60	Practice: 45
Teaching methods		

Lectures, practice.

Student activity assessment (maximally 100 points)

SRW: 20

seminars: 30

written exam: 50