

<b>Study program:</b> Integrated Academic Studies in Medicine
<b>Course title:</b> Neuroanatomy
<b>Teacher:</b> Ljubica M. Stojšić Džunja, Biljana Đ. Srdić Galić, Dušica L. Marić, Mirela M. Erić, Siniša S. Babović, Bojana S. Krstonošić, Nikola M. Vučinić
<b>Course status:</b> compulsory
<b>ECTS Credits:</b> 3
<b>Condition:</b> Anatomy
<p><b>Course aim</b></p> <p>Acquiring knowledge about the anatomy of human body, which will be the basis for further study of histological structure and function, and application of acquired knowledge in all branches of medicine, biomedicine, pharmaceutical-therapeutic and technological fields.</p>
<p><b>Expected outcome of the course:</b></p> <p>Students will get acquainted with the morphology and structure of particular body parts. They will learn about the systematic and topographical anatomy applicable in practical part of the course. This knowledge is the basis of all clinical disciplines, such as pathological anatomy and histopathology, forensic medicine, pathophysiology, radiology and radiotherapy (nuclear medicine), as well as all surgical branches.</p> <p>Acquiring practical knowledge in anatomy: identification of mutual relations of particular anatomical structures of organ systems, including vessel-nerve structures, as well as morphological and functional features of individual systemic and topographic parts. Learning about anatomical structures using cadaveric preparations, as well as the X-ray, MRI and CT techniques as the basis for post mortem examination and surgical techniques, radiological treatments and radiotherapy, as well as understanding biomedical and borderline disciplines.</p>
<p><b>Course description</b></p> <p><i>Theoretical education</i></p> <ol style="list-style-type: none"> <li>1. External morphology of central nervous system (CNS).</li> <li>2. Built of central nervous system.</li> <li>3. Brain pathways.</li> <li>4. Meninges and ventricular system.</li> <li>5. Blood vessels of CNS.</li> </ol> <p><i>Practical education</i></p> <ol style="list-style-type: none"> <li>1. External morphology of central nervous system (CNS).</li> <li>2. Built of central nervous system.</li> <li>3. Brain pathways.</li> <li>4. Meninges and ventricular system.</li> <li>5. Blood vessels of CNS.</li> </ol>
<p><b>Literature</b></p> <p><i>Compulsory</i></p> <ol style="list-style-type: none"> <li>1. Drake R, Vogl W, Mitchell A. Gray's anatomy for students. 3<sup>rd</sup> ed. London: Elsevier; 2014.</li> <li>2. Netter FH. Atlas of human anatomy. 6<sup>th</sup> ed. London: Elsevier Health Sciences; 2014.</li> <li>3. Mtui E, Gruener G, Dockery P. Fitzgerald's Clinical Neuroanatomy and Neuroscience. 7<sup>th</sup> ed. London: Elsevier; 2015.</li> </ol> <p><i>Additional</i></p> <ol style="list-style-type: none"> <li>4. Outlines of lectures</li> <li>5. Standring S. Grey's Anatomy-The Anatomical Basis of Clinical practice. 41<sup>st</sup> ed. London: Elsevier Churchill Livingstone; 2016.</li> <li>6. Logan BM, Reynolds PA, Rice S. McMinn's color atlas of head and neck anatomy. 5<sup>th</sup> ed. London: Elsevier Inc; 2017.</li> <li>7. Rubin M, Safdieh JE. Netter's Concise Neuroanatomy. Philadelphia, PA: Elsevier; 2017.</li> <li>8. Vanderah TW. Nolte's The Human Brain in Photographs and Diagrams. 5<sup>th</sup> ed. Philadelphia, PA: Elsevier; 2020.</li> <li>9. Waschke J, Böckers TM, Paulsen F. Sobotta Anatomy Textbook. 1<sup>st</sup> ed. Munich, Germany: Elsevier GmbH; 2019.</li> <li>10. Snell RS. Clinical anatomy by regions. 9<sup>th</sup> ed. Baltimore: Lippincott Williams &amp; Wilkins; 2012.</li> <li>11. Moore KL, Dalley AF (eds). Clinically oriented anatomy. 5<sup>th</sup> ed. Baltimore: Lippincot Williams; 2006.</li> <li>12. Hudak R, Kachlik D, Volny O. Memorix anatomy. 1<sup>st</sup> ed. Prague: Triton; 2015.</li> </ol>

<b>Number of active classes</b>	<b>Theoretical classes: 15</b>	<b>Practical classes: 30</b>	
<b>Teaching methods:</b> Lectures and practical classes			
<b>Student activity assessment</b> (maximally 100 points)			
<b>Pre-exam activities</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Lectures		Test	20
Practices		Practical exam	50
Colloquium	30		
Essay			