

Study program: Integrated Academic Studies in Medicine		
Course title: Clinical Surface Anatomy		
Teacher: Ljubica M. Stojšić Džunja, Biljana Đ. Srdić Galić, Dušica L. Marić, Mirela M. Erić, Siniša S. Babović, Bojana S. Krstonošić, Nikola M. Vučinić		
Course status: elective		
ECTS Credits: 3		
Condition: Anatomy; Neuroanatomy		
Course aim Gaining knowledge about the structure of the human body, the surface morphology of the body and the projections of the internal organs and structures of the body surface, which will form the basis for clinical propedeutics and radiology as well as the possibility of applying the acquired knowledge of the observed objects in all morphological branches of medicine, biomedicine, pharmacy, therapeutic and technological branches.		
Expected outcome of the course: Introducing surface anatomy of individual body parts and projections related organs and structures. Gaining knowledge will be useful in the practical teaching of this subject, and then as the basis of all clinical disciplines, some of which are internal medicine, radiology and radiotherapy (nuclear medicine), all branches of surgery and forensics. Gaining practical knowledge of topographical anatomy as a basis of surface anatomy: recognition and identification of relationships of individual anatomical structures of all organ systems, including vessel and neural structures, as well as morphological and functional support of each systematic and topographical part. Knowledge of the anatomical structures of X-ray, MRI and CT images as well as their projections on the surface of the body is the basis of autopsy and surgical techniques, radiology and radiation treatments, as well as understanding of biomedical and borderline disciplines.		
Course description <i>Theoretical education</i> 1. Essentials of general anatomy. 2. Topographic and surface anatomy and projections of the upper extremity. 3. Topographic and surface anatomy and projections of the lower extremity. 4. Topographic, surface anatomy and projections of the spine and back. 5. Topographic and surface anatomy of the thorax. 6. Projections of the thoracic cavity (lungs, heart, esophagus, blood vessels, lymphatics, nerves). 7. Topographic, surface anatomy and projections of the walls of the abdominal cavity. 8. Topographic anatomy and projections of the abdominal cavity (peritoneal cavity and retroperitoneal organs). 9. Topographic, surface anatomy and projections of the pelvic walls. 10. Topographic anatomy and projections of the pelvic cavity. 11. Topographic, surface anatomy and projections of the skull and facial bones. 12. Topographic, surface anatomy and projections of the head and neck. 13. Topographic, surface anatomy and projections of sense organs. 14. Topographic, surface anatomy and projections of the nervous system (central and peripheral nervous systems, somatic and vegetative) and the central nervous system cavity (chambers and cerebrospinal fluid) <i>Practical education</i> 1. Topographic and surface anatomy and projections of the upper extremity. 2. Topographic and surface anatomy and projections of the lower extremity. 3. Topographic, surface anatomy and projections of the spine and back. 4. Topographic and surface anatomy of the thorax. 5. Projections of the thoracic cavity (lungs, heart, esophagus, blood vessels, lymphatics, nerves). 6. Topographic, surface anatomy and projections of the walls of the abdominal cavity. 7. Topographic anatomy and projections of the abdominal cavity (peritoneal cavity and retroperitoneal organs). 8. Topographic, surface anatomy and projections of the pelvic walls. 9. Topographic anatomy and projections of the pelvic cavity. 10. Topographic, surface anatomy and projections of the skull and facial bones. 11. Topographic, surface anatomy and projections of the head and neck. 12. Topographic, surface anatomy and projections of sense organs. 13. Topographic, surface anatomy and projections of the nervous system (central and peripheral nervous systems, somatic and vegetative) and the central nervous system cavity (chambers and cerebrospinal fluid)		
Literature <i>Compulsory</i> 1. Drake R, Vogl W, Mitchell A. Gray's anatomy for students. 3 rd ed. London: Elsevier; 2014. 2. Netter FH. Atlas of human anatomy. 6 th ed. London: Elsevier Health Sciences; 2014. <i>Additional</i> 1. Outlines of lectures		
Number of active classes	Theoretical classes: 30	Practical classes: 15

Teaching methods: Lectures and practical classes			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	20	Written	60
Practices	20	Oral	
Colloquium			
Essay			