
	UNIVERSITY OF BANJA LUKA FACULTY OF MEDICINE				
	UNDERGRADUATE STUDIES				
	Study Programme of	MEDICINE			
Course Unit Name	Anatomy				
Type of Course Unit	General Education				
Course Unit Code	Course Unit Status	Semester	Class Workload	Number of ECTS	
	COMPULSORY	I and II	I: 4P+5L II: 4P+6L	22	
Members of Staff	Dr Zdenka Krivokuća, full professor; Dr Goran Spasojević, full professor; Dr Vesna Gajanin, full professor; Dr Tatjana Bućma, associate professor; Dr Zlatan Stojanović, associate professor; Dr Igor Sladojević, associate professor; Mirjana Mršić, MD, teaching assistant; Teodora Prerad, MD, teaching assistant				
Eligibility Requirements				Form of Requirements	
There are no requirements for registration, attendance and examination				n/a	
Goals of the Course Unit					
<p>The students are to get to know the appearance and anatomy of the human body. Future physicians are provided with an insight into the appearance, position and inter-relations of muscles, blood and lymphatic vessels, nerves, bones and internal organs of the human body.</p> <p>Surface anatomy shows the relations of the internal structures according to the elements visible at the surface of the body (orientation points on the body, conventional lines, palpable osteological structures).</p>					
Learning Outcomes (knowledge acquired):					
<p>Having passed the examination, medical students will have been trained to define and describe the anatomy of the human body, to visualize it in space, and to use the suitable terminology, in order to be prepared for further attendance in preclinical, and especially clinical course units which are based on anatomy.</p> <p>General anatomy: Familiarity with basic anatomical terms and general terms related to the human body and body parts.</p> <p>Anatomy of the upper limb: Introduction to the bones, joints, muscles, nerves, blood and lymphatic vessels of the upper limb, as well as the topographically and clinically significant relations in the upper limb.</p> <p>Anatomy of the lower limb: Introduction to the bones, joints, muscles, nerves, blood and lymphatic vessels of the lower limb, as well as the topographically and clinically significant relations in the lower limb.</p> <p>Anatomy of the thorax: Introduction to the elements which comprise the chest cavity walls, elements of the upper, lower and posterior mediastinum, as well as the structures of the respiratory system.</p> <p>Anatomy of the abdomen: Introduction to the elements which comprise the abdominal wall, its weak points, structures of the supramesocolic and submesocolic floor, as well as the retroperitoneal space elements, their appearance and mutual relations.</p> <p>Anatomy of the pelvis: elements of the pelvic wall, muscles of the perineum, vascular and nervous elements, position and relations of the reproductive organs of both sexes, the urinal tract and the end portion of the digestive tract.</p> <p>Anatomy of the head and neck: structures found in the head and neck, skeleton, joints, muscles, blood and lymphatic vessels, cranial nerves and peripheral nerves of the cervical plexus, morphology, position and relationships of organs and organ systems in the head and neck.</p> <p>Anatomy of the central nervous system: Fundamentals of the appearance, division and macromorphology of the central nervous system, the exterior and interior morphology of all its major segments and the pathways connecting these structures. Fundamentals of the appearance, structure and function of the senses.</p>					

Practical classes:

Practicals, other forms of teaching, student research.

Acquisition of knowledge through the anatomical cadaver dissection method on the appearance, position and content of all body parts, organs and organ systems.

Seminar classes take place in computer rooms and discussion groups. It is related to clinical anatomy. The students can use the computer rooms to view modern technologies for displaying the human body in digital form, view and download lecture slides, and, through writing seminar papers, to learn to search available literature and present their approach to anatomy-related topics. Discussion groups serve as a forum on issues that have not been sufficiently covered in lectures and practicals.

Teaching Methods:

The classes are given in the form of lectures and practical classes, with continuous revision through practicals, seminars, midterms, office hours, and independent student work.

Midterms: Midterm 1 (Arm), Midterm 2 (CNS), Midterm 3 (Head and neck)

Partial exams in Anatomy: Partial exam 1 (Arm, leg, abdomen and pelvis), to be taken after the first (winter) semester, in the January/February exam term. Partial exam 2 (Head and neck, CNS; Thorax), to be taken after the second (summer) semester

Requirements: For Partial exam 1: To have passed Midterm 1, and for Partial exam 2: To have passed Partial exam 1 and to have passed Midterms 2 and 3

Final Exam in Anatomy: To take the exam, students have to have passed Partial exam 1 and Partial exam 2, or they can take the integral exam in anatomy upon completion of the second semester and having passed Midterms 1, 2 and 3.

Literature:

Микач М, Благотић М, Ђорђевић Љ, Теофиловски Г. Анатомија човека – Osteологија. Савремена администрација, Београд, 2004.

Илић А. Анатомија човека – горњи екстремитет. Савремена администрација, Београд, 2004.

Мрваљевић Д. Анатомија човека – доњи екстремитет. Савремена администрација, Београд, 2004.

Богдановић Д. Анатомија човека – грудни кош. Савремена администрација, Београд, 2002.

Мијач М, Драганић В, Радоњић В. Анатомија човека – Трбух и мала карлица. Савремена администрација, Београд, 2001.

Јеличић Н, Јовановић С. Анатомија човека – Глава и врат. Савремена администрација, Београд, 2005.

Илић А, Благотић М, Малобабић С, Радоњић В, Простран М, Тошевски Ј. Анатомија централног нервног система. Савремена администрација, Београд, 2005.

Јовановић С. и сарадници. Анатомски атлас. Савремена администрација, Београд, 2004.

Драганић В, Јеличић Н, Ђорђевић Љ, Радоњић В, Пејковић Б. Анатомија човека – приручник за практичну наставу за студенте медицине. Савремена администрација, Београд, 2005.

Additional reading

Reihe D. Анатомија, 3. прерађено издање, Медицинска наклада, Загреб, 2018.

Moore KL, Dalley AF, Agur, AMR. Clinically oriented anatomy (seventh edition). Philadelphia: Lippincott Williams & Wilkins, 2014

Netter FH. Atlas anatomije čovjeka, Data STATUS

Terminologia Anatomica. 2nd ed. FIPAT.library.dal.ca. Federative International Programme for Anatomical Terminology, 2019

Чукурановић Р. Анатомија човека, Медицински факултет Ниш, 2019.

Literature for students studying in English

Moore KL, Dalley AF, Clinically Oriented Anatomy, Agur, 8 or 9 edition, Lippincott Williams & Wilkins (2017)

Clinical Neuroanatomy, Waxman S, 29edition, Lange.2020

Atlas of Human Anatomy. FH Netter, 7 edition, Elsevier,2018.

Examination Form:

Pre-Exam Duties		Final Exam		Total Points
Attendance	10	Practical test	18	100
Midterms	38	Oral exam	32	
Seminar paper	2			

Note for the Course Unit:
knowledge of the Latin language is required
Syllabus Designer: Prof. Dr Zdenka Krivokuća