	UNIVERSITY OF BANJA LUKA **FACULTY OF MEDICINE**	
	UNDERGRADUATE STUDIES	
	Study Programme of:	**NURSING**

Course Unit Name	**ANATOMY**			
Course Unit Code	**Course Unit Status**	**Semester**	**Class Workload**	**Number of ECTS**
	compulsory	I	3 L + 3 DRP (90)	6
Members of Staff:	Zdenka Krivokuća, MD, PhD, Full Professor, Head of Department; Goran Spasojević, MD,PhD, Full Professor; Vesna Gajanin, MD,PhD, Associate Professor; Zlatan Stojanović, MD, PhD, Full Professor; Igor Sladojević,MD, PhD, Full Professor; Aleksandar Maliković, MD, PhD, Full Professor; Mirjana Škeljić, MD, Senior teaching Assistant; Teodora Prerad Vučković, MD, Senior teaching Assistant; Anđela Milekić, MD, Teaching Assistant.			

Eligibility Requirements:	**Form of Requirements**
None	In accordance with the Rules of Studying at the I Cycle of Academic Studies.

Goals of the Course Unit:

The student is introduced to the macroscopic and microscopic structure of the human body.

Learning Outcomes (knowledge gained):

The gaining of fundamental knowledge in systematic, topographic, and applied clinical anatomy, as well as in the microscopic structure of human tissues and organs, which will be useful in the practical anatomy education and serve as a foundation for all clinical disciplines.

Competencies:

Orientation towards the patient where the organs needed for potential examinations are located; Understanding the morphology of healthy organs to identify potential pathological changes based on morphological alterations; Quick orientation related to the patient's complaints concerning pain in a specific region, i.e., adequate assessment of which organs or organ systems might be affected by disease based on physical examination, including inspection, palpation, and auscultation findings;

Contents of the Course Unit:

Introduction to anatomy. **General osteology,** human skeleton. **General arthrology**, joints of the human body**. General myology**: facial, masticatory, and respiratory muscles; major limb muscles. **General angiology**: arteries, veins, and capillaries. Systematic and pulmonary bloodflow. Heart. Pericardial sac. Aorta and its branches. Main blood vessels of the head, trunk and limbs. System of the superior and inferior vena cava. Basics of lymphatic flow. **Respiratory organs**: upper respiratory tract. Thoracic cavity: mediastinum, trachea and main bronchi, lungs, pleura, oesophagus. Thymus. **Abdominal cavity**: stomach, duodenum, jejunum, ileum, cecum, appendix, colon, and rectum. Liver and bile ducts. Pancreas. Spleen. Major abdominal blood vessels. Retroperitoneal space: kidneys and urinary tract. Renal fascia. Kidney structure (macroscopic and microscopic). Urinary bladder. Adrenal gland. **Pelvis**: male reproductive organs, female reproductive organs. **Central nervous system**: division of the nervous system. Spinal cord, hindbrain *(rhombencephalon)*, midbrain (*mesencephalon*), and forebrain (*diencephalon, telencephalon*). Pituitary gland and pineal gland. Conduction pathways. Meninges, cerebrospinal fluid (production and drainage). Major cerebral blood vessels. **Peripheral nervous system**: cranial nerves, spinal nerves. **Autonomic nervous system:** sympathetic and parasympathetic systems. Major autonomic plexuses (cardiac, pulmonary, celiac, and pelvic). A**natomy of the senses**: vision, hearing, and balance. **Endocrine system**. **Receptor system**. **Skin anatomy:** definition, classification, major terms, and structure.

Teaching Methods:

Classes are performed as lectures, interactive exercises or practicals, seminars, midterms, consultation and students' independent work.

Literature:

Ashalatha PR. Textbook of anatomy for BSc nursing students. Jaypee brothers medical publishers, 2021.
Anatomical atlas: Netter atlas of human anatomy, 8th edition. Elsevier, 2022.

Examination forms:

Pre-Exam Duties		Final Exam		Total Points
Attendance	**10**	**Practical exam**	**15**	**100**
Midterm(s)	**40**	**Written exam**	**35**	
Seminar paper				

Note for the Course Unit:

Knowledge of Latin is required.

Syllabus Designer: Zdenka Krivokuća, PhD, Full Professor