
	<b>UNIVERSITY OF BANJA LUKA</b> <b>FACULTY OF MEDICINE</b>			
	<b>UNDERGRADUATE STUDIES</b>			
	<b>Study Programme of</b>	<b>MEDICINE</b>		
<b>Course Unit Name</b>	<b>ANATOMICAL PATHOLOGY</b>			
<b>Type of Course Unit</b>	<b>Applied Professional</b>			
<b>Course Unit Code</b>	<b>Course Unit Status</b>	<b>Semester</b>	<b>Class Workload</b>	<b>Number of ECTS</b>
TO BE DESIGNATED	COMPULSORY	V and VI	V: 5L + 3P VI: 4L + 3P	17
<b>Members of Staff</b>	Dr sc. Radoslav Gajanin, full professor, head of the department; Dr sc. Slaviša Đuričić, full professor; Dr sc. Duško Dunderović, associate professor; Dr sc. Novica Boričić, assistant professor; Dr Božana Babić, senior teaching assistant; Dr Vanja Kukić, senior teaching assistant; Dr Srđan Mitrović, teaching assistant			
<b>Eligibility Requirements</b>			<b>Form of Requirements</b>	
Anatomy, Histology and Embryology			These course units must be passed as a requirement for attendance	
<b>Goals of the Course Unit</b>				
<p>The course unit aims to provide the students with knowledge on the cell, tissue and organ damage mechanisms and introduce them to morphological changes that underlie diseases. At the same time, the purpose of the classes is to enable the students to recognize morphological changes in cells, tissues and organs through the adoption of theoretical knowledge in lectures and seminars and the acquisition of individual experience at clinical autopsies, microscopy work and analysis of macroscopic slides.</p> <p>The acquired knowledge and skills will provide a better understanding of disease cause, mechanisms of disease development (pathogenesis), and facilitate mastering the functional consequences of morphological changes.</p>				
<b>Learning Outcomes (knowledge acquired):</b>				
Having passed the exam, the students will be able to understand cell, tissue and organ damage mechanisms and recognize and describe morphological changes in organs, tissues and cells that result from various etiological factors. The students will be able to understand the clinical presentation of a disease and select additional diagnostic procedures that are optimal for confirming a suspicion of a specific disease. The students will be able to interpret histopathological findings, predict the course of a disease, and opt for additional diagnostic methods to confirm and monitor a disease. The students will also be able to predict which treatment options are advised for the disease they have diagnosed.				
<b>Contents of the Course Unit:</b>				
Cell injury, death and adaptations; Inflammation and repair; Hemodynamic disorders, thromboembolism and shock; Immune system diseases; Neoplasia; Genetic and pediatric diseases; Environmental and nutritional diseases; Pathology of blood vessels; Pathology of the heart; Pathology of the hematopoietic and lymphoid system; Pathology of the lung; Pathology of the kidney; Pathology of the oral cavity and the gastrointestinal tract; Pathology of the liver and gallbladder; Pathology of the pancreas; Pathology of the male genital system and lower urinary tract; Pathology of the female genital system and breast; Pathology of the endocrine system; Pathology of the bones, joints and soft tissue tumors; Pathology of the peripheral nerves and muscles; Pathology of the central nervous system; Pathology of the skin.				
<b>Teaching Methods:</b>				
The classes consist of lectures, interactive practicals (macroscopic practicals, autopsies, histology/microscopy practicals), seminars, midterms, office hours, and independent student work.				
<b>Literature:</b>				

Kumar V, Abbas AK, Aster JC, Deyrup AT, Das A. Robbins and Kumar Basic Pathology; Eleventh Edition; International Edition; Elsevier, 2023.

Gajanin R, Ćuk M, Živković N. Histopathology Practicum for Students of Medicine and Dentistry. Medicinski fakultet Foča, 2024.

**Examination Form:**

<b>Pre-Exam Duties</b>	<b>Points</b>	<b>Final Exam</b>	<b>Points</b>	<b>Total Points</b>
<b>Activity in class</b>	<b>5</b>	<b>Practical test</b>	<b>10</b>	<b>100</b>
<b>Seminar paper</b>	<b>5</b>	<b>Midterm / Colloquium 1 / Part one of the Final Exam (General Pathology)</b>	<b>35</b>	
		<b>Colloquium 2 / Part two of the Final Exam (Special Pathology)</b>	<b>45</b>	

**Note for the Course Unit:**

**Syllabus Designers: Prof. dr sc. Radoslav Gajanin; Prof. dr sc. Slaviša Đuričić**

