



Study program: Integrated Academic Studies in Medicine			
Course title: Pathology			
Teacher: Milana D. Panjković, Aleksandra N. Lovrenski, Tanja Z. Lakić			
Course status: compulsory			
ECTS Credits: 15			
Condition: Physiology; Histology and Embryology			
Course aim The aim of the course is to inform the student about the mechanisms of cell damage, damage of tissues and organs and about morphological changes underlying the disease. Our goal is to train students to identify morphological changes in cells, tissues and organs through lectures and seminars. Students will obtain necessary skills through individual practical work, performing microscopy and histological analysis, macroscopic diagnostics using biopsy-, surgical or autopsy specimens or museum prosections.			
Expected outcome of the course: Practical sessions are adapted to the basic aims of the subject and deal with developed educational entities in order to form general practitioner			
Course description <i>Theoretical education</i> Within the scope of general pathology students will learn about the etiology and macroscopic and microscopic structural changes of basic pathological processes, such as reversible and irreversible cell damage, impairment of water-, fat- and protein metabolism, blood and lymph circulation changes, inflammation, neoplasms. Through special pathology all those topics are described in the light of specific organ system. <i>Practical education</i> Getting acquainted with interpretation of histopathological preparation will enable student to: 1. Identify changes that diverge normal cell and tissues, i.e. to distinguish normal tissues and organs from that manifesting pathological processes and states using light microscopy 2. Describe normal tissue and organ composition 3. Describe morphological substrates of the disease 4. To diagnose the disease and to note it in Latin 5. To suggest the differential diagnosis. Student will be able to macroscopically describe the organs and pathological changes in the body by identifying and describing the organ and the change, establishing diagnosis or differential diagnosis.			
Literature <i>Compulsory</i> 1. Kumar V, Abbas AK, Aster JC. Robbins & Cotran Pathologic Basis of Disease, 9 th Edition. Elsevier 2015. 1. Eri Ž. Histological exercises on CD. Faculty of medicine Novi Sad, 2012. 2. Panjković M. A practical handbook of macroscopic examination in pathology, 2017.			
Number of active classes		Theoretical classes: 120	Practical classes: 120
Teaching methods: Lectures, Interactive lectures, microscopic and macroscopic examinations and autopsies			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	2	Written	
Practices	5	Oral exam	70
Colloquium	20	
Essay	3		