

Table 5.2 Course specification

Type and level of studies: Bachelor of Science Degree			
Course name: Basics of pathophysiology			
Course status: Elective			
Number of ECTS credits: 6			
Requirement: -			
Course aim To enable the student to understand the etiology and pathogenesis of the disease and to understand the occurrence of disorders of organ function and organ systems			
Course outcome Upon successful completion of this course, the student is able to: (1) demonstrate systematic knowledge of pathophysiological disorders, etiological factors, as well as pathogenetic mechanisms of emergence in the occurrence of various diseases, (2) explain the general laws of organ and organ system disorders, (3) explain the principles of functional testing (biochemical, hematological, immunometric and other analyzes), apply them in practice and interpret the results.			
Course content <i>Theory</i> <i>Hereditary factors of disease. Disorders of protein metabolism as etiological factors of disease. Carbohydrate metabolism disorders. Disorders of water and electrolyte disorders. Lipid metabolism disorders. Eating disorders as etiological factors of disease. Nervous and humoral regulation disorders. Pathophysiology of blood and hematopoietic organs. Pathophysiology of the hemostatic mechanism. General pathophysiological changes in liver function. Pathophysiology of the digestive tract. Pathophysiology of the uropoietic system. Pathophysiology of the respiratory system. Pathophysiology of the cardiovascular system.</i> <i>Practice: Practical classes, OFT, SRW</i> <i>Functional testing in inflammation, protein metabolism assay. Functional testing of carbohydrate metabolism. Functional testing of lipid metabolism. Functional testing of the liver and digestive tract. Functional testing of the uropoietic system. Functional testing of red and white bloodlines. Functional testing of the hemostatic system.</i>			
Literature 1. Stosic Z, Borota R, eds. Fundamentals of Clinical Pathophysiology, Faculty of Medicine, Novi Sad; 2012. 2. Dujmović F, Stošić Z, Đerić M, eds. Practicum in pathological physiology, Faculty of Medicine, Novi Sad; 2012.			
Number of classes of active teaching			Other classes
Lectures: 3 (45)	Practice: 2 (30)	OFT: SRW:	
Teaching methods Lectures, lab work, consultations			
Assessment of knowledge (maximum of 100 points)			
Pre-exam obligations	Points	Final exam	points
activity during lecture classes	10	written exam	70
practical teaching	20		