

SUBJECT: PATHOPHYSIOLOGY-		
Semester: V- Blue Hall Monday-11,00-12,30		
No	LECTURE	SCHOOL HOURS
1	Introduction in pathophysiology...Prof. dr D.Golić.....06.10.2025.	2
2	Physical etiological factor ...Prof. dr M.Vujnić... 13.10.2025.	2
3	Chemical etiological factors ...Prof. dr M.Vujnić... 20.10.2025.	2
4	Heredity as an etiological factor.....Prof. dr M.Vujnić..27.10.2025.	2
5	Inflammation and infection.....Prof. dr D.Golić.... 03.11.2025.	2
6	Disorders of the immune system....Prof. dr D.Golić... 10.11.2025.	2
7	Pathophysiological aspects of malignant tumors...Prof. Dr. M. Vujnić 17.11.2025.	2
8	Disorders of protein metabolism. Prof. Dr. M.Vujnić.....24.11.2025.	2
9	Disorders of carbohydrate metabolism. Diabetes mellitus Prof. Dr. Golić 01.12.2025.	2
10	Disorders of lipid metabolism. Atherogenesis. Obesity Prof. Dr. Vujnić 08.12.2025.	2
11	Disorders of metabolism of vitamins and essential oligoelements Prof. Dr. Vujnić 15.12.2025.	2
12	Enzymopathies Prof. Dr. Vujnić 22.12.2025.	2
13	Disorders of water and sodium metabolism Prof.dr D.Golić 29.12.2025.	2
14	Disorder of electrolyte and acid-base balance...prof.D.Golić 05.01.2026.	2
15	Local circulation disorders. Shock...Prof. D.Golić 12.01.2026. 16. Continuous exam. 20.01.2024....Prof.dr D.Golić 19.01.2026.	2
TOTAL		32

SUBJECT: PATHOPHYSIOLOGY		
Semester: V- Practicum of Pathophysiology, Faculty of Medicine, first floor-13,00-15,15		
No	EXERCISES Thematic units	School hours
1	Introductory exercise Functional tests and additional diagnostic methods	3
2	Action of physical etiological factors, mechanisms of thermoregulation, hypo and hyperthermic states. Presentation of experimental models and clinical forms. Artificial hypothermia. Case reports	3
3	Local circulation disorders, arterial and venous hyperemia, thrombosis and embolism. Case reports	3
4	Pathophysiology of inflammation, local signs, mediators of inflammation. Acute phase response. Fever, stages and types of fever. Analysis of temperature curves	3
5	Non-specific markers of inflammation, methods of determination and interpretation of findings. Determination of erythrocyte sedimentation. Case reports	3
6	Allergic reactions: types of allergic reactions, anaphylactic shock and serum sickness Case reports	3
7	Disorders of protein metabolism. Hypo, dys and paraproteinemias. Getting to know the methods of testing protein metabolism disorders and interpretation of findings. Biuretic determination of total serum proteins, electrophoresis of serum proteins and immunochemical determination of individual proteins that have diagnostic significance. Case reports	3
8	Disorders of carbohydrate metabolism. Hyper and hypoglycemia. Getting to know the methods of testing carbohydrate metabolism disorders, diabetes mellitus, and interpretation of findings. Enzyme test for determination	3

9	Lipid metabolism disorders, lipoprotein disorders. Hypo, hyper and dyslipoproteinemia. Getting to know the methods of testing lipids, lipoproteins and determining the atherosclerosis index. Lipid status and classification of hyperlipoproteinemia according to Fridrikson Case reports	3
10	Metabolic syndrome and obesity. Methods for assessing nutrition and body fat distribution: BMI, measuring waist circumference and waist-hip ratio. Case reports	3
11	Disorders of vitamin metabolism. Clinical consequences of hypovitaminosis and introduction to testing methods. Interpretation of pathological findings	3
12	Disorders of the metabolism of essential oligoelements and the clinical consequences of their deficiency in the body. Getting to know the methods of testing trace elements and interpretation of pathological findings	3
13	. Enzymopathies. Familiarization with the methods of functional testing and presentations of cases of the most common enzymopathies	3
14	Disorders of water and electrolyte metabolism. Methods of testing water, electrolytes and osmolarity and interpretation of findings. Case reports	3
15	Acid-base balance disorders and test methods. Metabolic acidosis and alkalosis, respiratory acidosis and alkalosis. Methods of determination and interpretation of AB status findings and gas analyses. Case reports	3
УКУПНО:		45