

**The practical classes calendar plan on Pathophysiology
for students of the 3rd year (5th semester)
specialty 31.05.01 Medical business for the 2026/2027 academic year**

№	Date	Theme	Hours
1	01-07.09.2024	Introduction. The subject and tasks of pathophysiology. Historical stages of pathophysiology development. Modeling of pathological processes.	4
2	8-14.09.2025	General nosology. Etiology, pathogenesis. Classification and characterization of etiological factors of diseases. Disease, definition, the main components of the disease are a pathological reaction, a pathological process, a pathological condition. Stages and outcomes of the disease. The influence of pathogenic environmental factors on the body.	4
3	15-21.09.2025	The organism reactivity and its significance in pathology. Types of reactivity. The constitution of the body.	4
4	22-28.09.2025	The pathophysiology of cell damage. The role of external factors and genetic defects. The main mechanisms of cell damage.	4
5	29.09-05.10.2025	General nosology (overview lesson).	4
6	06-12.10.2025	Inflammation. Etiology, the main components of the pathogenesis of the inflammatory process. Inflammatory mediators.	4
7	13-19.10.2025	Inflammation. The acute phase response.	4
8	20-26.10.2025	Pathophysiology of the immune system. Allergy. Classification of allergic reactions. The main allergic reactions.	4
9	27.10-02.11.2025	Fever. Hyperthermia. Hypothermia.	4
10	03-09.11.2025	Hypoxia. Hyperoxia. Practical work.	4
11	10-16.11.2025	Typical pathological processes (overview lesson).	4
12	17-23.11.2025	Pathophysiology of metabolism. Violations of the acid-base balance.	4
13	24-30.11.2025	Pathophysiology of metabolism. Violations of water metabolism. Edema.	4
14	1-7.12.2025	Pathophysiology of metabolism. Disorders of carbohydrate metabolism: hypo- and hyperglycemia. Diabetes mellitus.	4
15	08-14.12.2025	Pathophysiology of tumor growth.	4
16	15-21.12.2025	Pathophysiology of metabolism. Disorders of the metabolism of macro- and microelements. Pathophysiology of the endocrine system. Pathophysiology of the thyroid gland.	4
17	22-28.12.2025	Test control on general pathophysiology. Discussion of the results of independent work.	4