

**The lectures calendar plan on Pathophysiology for students of the 3rd year (5th semester)  
specialty 31.05.01 Medicine for the 2025/2026 academic year**

<b>№</b>	<b>Date</b>	<b>Theme</b>	<b>Hours</b>
1	08.09.2025	Introduction. The subject and tasks of pathophysiology. General nosology	2
2	15.09.2025	Inflammation. Etiology, the main pathogenesis components of the of the inflammatory process. Acute phase response.	2
3	22.09.2025	Fever. Hyperthermia. Hypothermia.	2
4	29.09.2025	Hypoxia. Hyperoxia.	2
5	06.10.2025	Pathophysiology of metabolism. Violation of the acid-base balance.	2
6	13.10.2025	Pathophysiology of metabolism. Violation of water-electrolyte metabolism.	2
7	20.10.2025	Pathophysiology of metabolism. Disorders of carbohydrate metabolism: hyperglycemic, hypoglycemic states. Diabetes mellitus.	2
8	27.10.2025	Pathophysiology of tumor growth.	2

**Schedule of lectures in pathophysiology for foreign students of the 3rd year (5th semester)  
specialty 31.05.01 medical business for the 2025/2026 academic year**

**Type of educational activity: lecture**

**Location: Vorovsky 64B, Academic Building № 2 (is a nine-storey building next to  
academic building № 1), 2nd floor, lecture hall № 4**

<b>DAY OF THE WEEK</b>	<b>CLASS TIME GROUP NUMBER, name of the teacher *</b>
MONDAY	08.30-10.05 327, 328, 329, 330 Ageeva A.A.

**\* Information about the teacher of the department:**

Ageeva Anna Alekseevna, PhD, Associate Professor of the Department of Pathophysiology

**The practical classes calendar plan on Pathophysiology  
for students of the 3rd year (5th semester)  
specialty 31.05.01 Medical business for the 2025/2026 academic year**

<b>№</b>	<b>Date</b>	<b>Theme</b>	<b>Hours</b>
1	01-06.09.2024	Introduction. The subject and tasks of pathophysiology. Historical stages of pathophysiology development. Modeling of pathological processes.	4
2	8-13.09.2025	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	15-20.09.2025	The organism reactivity and its significance in pathology. Types of reactivity. The constitution of the body.	4
4	22-26.09.2025	The pathophysiology of cell damage. The role of external factors and genetic defects. The main mechanisms of cell damage.	4
5	29.09-4.10.2025	General nosology (overview lesson).	4
6	6-11.10.2025	Inflammation. Etiology, the main components of the pathogenesis of the inflammatory process. Inflammatory mediators.	4
7	13-18.10.2025	Inflammation. The acute phase response.	4
8	20-25.10.2025	Pathophysiology of the immune system. Allergy. Classification of allergic reactions. The main allergic reactions.	4
9	27.10-01.11.2025	Fever. Hyperthermia. Hypothermia.	4
10	3-8.11.2025	Hypoxia. Hyperoxia. Practical work.	4
11	10-15.11.2025	Typical pathological processes (overview lesson).	4
12	17-22.11.2025	Pathophysiology of metabolism. Violations of the acid-base balance.	4
13	24-29.11.2025	Pathophysiology of metabolism. Violations of water metabolism. Edema.	4
14	1-6.12.2025	Pathophysiology of metabolism. Disorders of carbohydrate metabolism: hypo- and hyperglycemia. Diabetes mellitus.	4
15	8-13.12.2025	Pathophysiology of tumor growth.	4
16	15-20.12.2025	Pathophysiology of metabolism. Disorders of the metabolism of macro- and microelements. Pathophysiology of the endocrine system. Pathophysiology of the thyroid gland.	4
17	22-27.12.2025	Test control on general pathophysiology. Discussion of the results of independent work.	4

«УТВЕРЖДАЮ»  
«29» августа 2025 год  
Зав. кафедрой Патопфизиологии  
проф., д.м.н. \_\_\_\_\_ М.В. Осиков

**Schedule of practical classes in pathophysiology for foreign students of the 3rd year (5th semester) specialty 31.05.01 medical business for the 2025/2026 academic year**

**Type of educational activity:: practical class**

**Location::** Chelyabinsk, Vorovskiy str., 66, 3 academic building, 3rd floor, left wing,  
Department of Pathophysiology, auditorium 323

<b>DAY OF THE WEEK</b>	<b>CLASS TIME GROUP NUMBER, name of the teacher *</b>
TUESDAY	08.30-11.50, 330, Ageeva A.A.
WEDNESDAY	08.30-11.50, 328, Ageeva A.A.
THURSDAY	12.30-15.50, 329, Ageeva A.A.
FRIDAY	12.30-15.50, 327, Ageeva A.A.

**\* Information about the teacher of the department:**

Ageeva Anna Alekseevna, PhD, Associate Professor of the Department of Pathophysiology