

AMENDMENTS AND CHANGES TO THE CURRICULUM IN THE EDUCATIONAL DISCIPLINE «BIOLOGICAL CHEMISTRY» for the specialty 7-07-0911-01 «General Medicine»

for 2025/2026 academic year

Amendments and changes	
Use in the educational process as the basic (main) literature:	Basis/Reason
1. «Biological Chemistry»: textbook / A. D. Taganovich, A. V. Kolb, N. N. Koyganko, Zh.A. Rutkovskaya, T.V. Ryabiseva, A.G. Kadushkin, E.A. Devina, E.A. Khotko, D.A. Murashko – Minsk: New knowledge, 2026. – 180 p 2. The content of the topic "Blood biochemistry. Physicochemical properties of blood" was completed with data about: – Interaction of formed elements of the blood with polysulfone fibers; – Changes in the level of interleukins 4 and 9 in patients with allergic rhinitis; – The effect of mometasone and nortriptyline on the production of TNF-α by mononuclear blood cells in patients with allergic rhinitis; – Changes in the level of proteins and enzyme activity of blood plasma in patients with traumatic brain injury. 3. The content of the topic "Intracellular metabolism of amino acids. Pathways of ammonia neutralization" was completed with data about the mechanisms of development of type 2 hyperammonemia (using a clinical case as an example). 4. The content of the topic "Biochemistry of nutrition. Essential nutritional factors" was completed with data about the content of vitamin D in patients with connective tissue diseases. 5. The content of the topic "Urine biochemistry" has been supplemented with data on changes in urine parameters in athletes compared to untrained people.	Department meeting (protocol # 10 of 22.06.2025) The acts of introduction of the research results to educational process

The curriculum is revised and approved at the department of biological chemistry meeting (protocol # 10 of 22.06.2025)

Head of the Department of Biological Chemistry

APPROVED

Dean of the Faculty of International Students

A.D.Taganovich

O.S.Ishutin