

## THEMATIC PLAN

**LABORATORY CLASSES** on the course of **MEDICAL CHEMISTRY**  
for the students of the 1<sup>st</sup> course of FIS  
in the 1<sup>st</sup> semester of the 2025 – 2026 academic year

No. of class	Date of class	Topic of the class	Number of hours
1	09.02-14.02	Chemistry and medicine. The doctrine of the chemical equivalent. Methods of expressing the composition of solutions	2
2	16.02-21.02	Introduction into volumetric analysis	2
3	23.02-28.02	Acid-base titration	2
4	02.03-07.03	Theory of redox reactions	2
5	09.03-14.03	Redox titration. Permanganatometric titration	2
6	16.03-21.03	Chemical thermodynamics and bioenergetics	2
7	23.03-28.03	Electrode and reduction potentials	2
8	30.03-04.04	General characteristics of solutions. Heterogeneous equilibria	2
9	06.04-11.04	Colligative properties of solutions	2
10	13.04-18.04	Theories of solutions of weak and strong electrolytes	2
11	20.04-25.04	Acid-base equilibrium. Buffer solutions	2
12	27.04-02.05	Chemical kinetics and catalysis	2
13	04.05-09.05	Coordination compounds	2
14	11.05-16.05	Physico-chemistry of surface phenomena	2
15	18.05-23.05	Physico-chemistry of dispersed systems	2
16	25.05-30.05	Stability of colloidal-dispersed systems	2
17	01.06-06.06	Physico-chemistry of biopolymers and their solutions	2
18	08.06-13.06	The final class "Fundamentals of medical chemistry"	2
		<b>That will be</b>	<b>36</b>

Laboratory classes are held in classrooms 41, 39, 44 of the academic building No. 2 (Biletskogo street, 11a).

Head of the Department

E.G. Tyulkova