THEMATIC PLAN
LABORATORY CLASSES on the course of MEDICAL CHEMISTRY

for the 1st year international students of FIS
in the 1st semester of the 2026-2027 academic year

No. of class	Date of class	Topic of the class	Number of hours
1	***07.09-12.09***	Chemistry and medicine. The doctrine of the chemical equivalent. Methods of expressing the composition of solutions	***2***
2	***14.09-19.09***	Introduction into volumetric analysis	***2***
3	***21.09-26.09***	Acid-base titration	***2***
4	***28.09-03.10***	Theory of redox reactions	***2***
5	***05.10-10.10***	Redox titration. Permanganatometric titration	***2***
6	***12.10-17.10***	Chemical thermodynamics and bioenergetics	***2***
7	***19.10-24.10***	Electrode and reduction potentials	***2***
8	***26.10-31.10***	General characteristics of solutions. Heterogeneous equilibria	***2***
9	***02.11-07.11***	Colligative properties of solutions	***2***
10	***09.11-14.11***	Theories of solutions of weak and strong electrolytes	***2***
11	***16.11-21.11***	Acid-base equilibrium. Buffer solutions	***2***
12	***23.11-28.11***	Chemical kinetics and catalysis	***2***
13	***30.11-05.12***	Coordination compounds	***2***
14	***07.12-12.12***	Physico-chemistry of surface phenomena	***2***
15	***14.12-19.12***	Physico-chemistry of dispersed systems	***2***
16	***21.12-26.12***	Stability of colloidal-dispersed systems	***2***
17	***28.12-02.01***	Physico-chemistry of biopolymers and their solutions	***2***
18	***04.01-09.01***	The final class "Fundamentals of medical chemistry"	***2***
		That will be	**36**

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

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