

THE PLAN
of medical chemistry course laboratory practical classes
for foreign students faculty
in the I semester of 2021-2022 - academic year.
(practical class duration — 2 hours)

№	Topic
1	Introduction in practical. Introductory lesson.
2	The theory of aqueous solutions.
3	Chemical equivalent. Equivalents law.
4	Basics of titrimetric analysis.
5	Acid-base titration.
6	The theory of redox reactions. Methods of redox reaction balancing. Bases of redoximetric titration.
7	Colligative properties of diluted solutions of nonelectrolytes and electrolytes.
8	Equilibrium biochemical processes. Buffer solutions.
9	Complex compounds.
10	Basics of chemical kinetics.
11	The theory of the origin of electrical potentials.
12	Redoxpotentials. Galvanic elements.
13	Physico-chemistry of surface phenomena. Adsorption on the mobile phase border of partition.
14	Physico-chemistry of surface phenomena. Adsorption on the stationary phase border of partition. Chromatography.
15	Physico-chemistry of disperse systems. Properties of colloidal systems.
16	Stability and coagulation of sols.
17	Physico-chemistry of biopolymers solutions. Protective action of HMC.
18	Elements of chemical thermodynamics and bioenergy. Test lesson.

Head of General and Bioorganic
 Chemistry Department,

associate professor (docent)



V.V. Boltromeyuk