

Course Listing for Laboratory Classes on Medicinal Chemistry
Fall 2025 (all 03/09/2025 -19/11/2025)
Medical Faculty for International Students, 1st course, 4th batch (specialty 7-07-0911- 01
"Dentistry")

№ n/n	Date	Theme
1.	03.09	Chemical thermodynamics as the basis of medical chemistry. The usage of the apparatus of thermodynamics of chemical equilibrium in molecular and macromolecular docking.
2.	01.10	Elements of chemical kinetics: the order of the reaction, the half-elimination period, kinetic method for the determination of enzyme activity in blood serum. Theory of active collisions. Theory of transition state complex.
3.	29.10	Heterogeneous equilibria in human organism during its normal functioning and in pathology.
4.	19.11	Theories of adsorption, the usage of chromatographic methods of analysis in medicine and dentistry
5.*		Dispersed systems, basics of colloid chemistry
6.*		Physical chemistry of biopolymer solutions

*** 3 hours of supervised student independent work**

The course schedule was approved at a department meeting № 1, 29.08.2025

Head of the Department of General Chemistry



M.M.Kauhanka