

**Thematic plan for independent work of a student
in discipline «Applied chemistry in dentistry»
for students of 2025 year of admission
under the educational programme
31.05.03 Dentistry,
specialisation (profile) Dentistry
(Specialist's degree),
form of study full-time
for the 2025 -2026 academic year**

№	Topic of independent work	Hours (academic)
2 semester		
1.	The mechanism of charge formation in colloidal particles. The structure of the double electric layer. The theory of coagulation of DLFO. Slow and fast coagulation. Coagulation by electrolyte mixtures and mutual coagulation.	10
2.	Sephadexes. Structure and mechanism of action. The use of sephadex in medicine. The use of sephadex for purification and fractionation of biopolymers. Cytochromes and their involvement in electron transport	9
	Total	19
	Independent work control	2

Considered at the meeting of the department of Chemistry "30" May 2025 y, protocol №10

Head of the Department of Chemistry



A.K. Brel