

**The thematic plan of independent work of a student
in the discipline "General pharmaceutical chemistry"
for students enrolled
in the educational program in 2023
33.05.01 Pharmacy,
profile Pharmacy
(specialty),
the form of study is full-time
for the 2024 – 2025 academic year**

№	The topic of independent work	Hours (academic)
4 term		
1.	The development of world and Russian pharmaceutical chemistry ¹ . The period of the origin of the first chemical theories. The origins of Russian pharmacy. The first chemical schools and the creation of new chemical theories in Russia. Formation and development of the control and analytical service in Russia ² .	14
	Control of independent work	2
5 term		
2.	Potentiometric titration. Amperometric titration ¹ . The essence of the methods. Advantages and disadvantages of methods ² .	14
	Control of independent work	2
6 term		
3.	Prevention of viral diseases ¹ . Pharmacopoeia analysis of antiviral vaccines (vaccines against influenza, coronavirus, hepatitis B and C, etc.) ² .	14
	Control of independent work	2
	Total	48

¹ - Subject

² - Essential content

Reviewed at the meeting of the department of Pharmaceutical and Toxicological Chemistry, Pharmacognosy and Botany on «28» august, 2024, protocol № 1.

Head of the Department



A. Ozerov