

**Thematic plan for independent work of a student  
in discipline « General pharmaceutical chemistry »  
for students of 2024 year of admission  
under the educational programme  
33.05.01 Pharmacy,  
specialisation (profile) Pharmacy  
(Specialist's degree),  
form of study full-time  
for the 2025-2026 academic year**

№	Topic of independent work	Hours (academic)
<b>4 term</b>		
1.	Tests for authenticity and goodness of medicines of various origin 1. Identification of medicinal products of inorganic and organic nature. Determination of inorganic ion impurities <sup>2</sup> .	30
	Control of independent work	2
<b>5 term</b>		
1.	Methods of quantitative determination in pharmaceutical analysis <sup>1</sup> . Electrochemical methods of analysis. Potentiometric titration. The essence of the method. Advantages and disadvantages. Amperometric titration. The essence of the method. Advantages and disadvantages. Coulometry. The essence of the method. Advantages and disadvantages. Conductometry. The essence of the method. Advantages and disadvantages <sup>2</sup> .	44
	Control of independent work	2
<b>6 term</b>		
1.	Prevention of viral diseases. Pharmacopoeia analysis of antiviral vaccines <sup>1</sup> . Influenza virus. Structural features. Pathology. General pharmaceutical analysis of anti-influenza drugs. Hepatitis B and C virus. Structure. Pathology. General pharmaceutical analysis of hepatitis B and C drugs <sup>2</sup> .	17
	Control of independent work	2
	<b>TOTAL</b>	<b>97</b>

<sup>1</sup> - Subject

<sup>2</sup> - Essential content

Considered at the department meeting Pharmaceutical, Toxicological Chemistry, Pharmacognosy and Botany, protocol of «30»    may    2025 г. № 10 .

Head of the Department



A. Ozerov