

**Thematic plan for lecture-type classes
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**

№	Topics of lecture-type classes	Hours (academic)
4 term		
1.	Subject and tasks of pharmaceutical chemistry ¹ . Basics of legislation. Terminology in pharmaceutical chemistry, nomenclature. Classification of medicines ² .	2
2.	Prerequisites for the creation of new medicines ¹ . Search and methods of drug design ² .	2
3.	State principles of rationing of medicines ¹ . Professional duties of a pharmacist-analyst of a pharmacy ² .	2
5 term		
1.	Quality assurance system of medicines ¹ . Standardization and validation of medicines ² .	2
2.	Metrology ¹ . Basic concepts. Metrological characteristics of the analysis results ² .	2
3.	Quality control of medicines in pharmacies ¹ . Types of intra-pharmacy drug control ² .	2
6 term		
1.	Viruses ¹ . General characteristics of viruses. Classification. Features of chemotherapy for viral infections. Targets for antiviral agents ² .	2
2.	HIV. General pharmaceutical analysis of drugs for the treatment of HIV infection ¹ . Reverse transcriptase inhibitors. Protease and integrase inhibitors ² .	2
3.	Coronavirus ¹ . Structure. Pathology. General pharmaceutical analysis of anticoronavirus drugs ² .	2
Total		18

¹ - Subject

² - 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

