

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution "Belarusian State Medical University"

Department of Pharmaceutical Chemistry with the course of advanced training and retraining

Discussed at the department meeting
Protocol No. 1 of
"31" August 2025

CALENDAR-THEMATIC PLAN
lectures on the academic discipline "Pharmaceutical Chemistry"
for 3rd year students of
Medical Faculty for Foreign Students
(with English language of instruction) in the specialty "Pharmacy"
for the 5th term of the 2026/2027 academic year.

No.	LECTURE TOPIC	DATE
1.	Introduction to the academic discipline «Pharmaceutical Chemistry». Methods and sources of obtaining medicines	07.09.2026
2.	Ensuring the quality of pharmaceutical substances and drugs. General characteristics of pharmaceutical analysis. Pharmacopoeial analysis	SSIW*
3.	Stability, shelf life and modern approaches to degradation, neutralization and disposal of medicines	SSIW *
4.	Reagents used in pharmacopoeial analysis. Properties of pharmaceutical substances	14.09.2026
5.	Spectrometric and thermal methods used in pharmaceutical analysis	21.09.2026
6.	Chromatographic and biological methods used in pharmaceutical analysis	28.09.2026
7.	Methods for identifying organic ions and functional groups used in pharmacopoeial analysis. Instrumental identification methods	05.10.2026
8.	Pharmacopoeial tests of pharmaceutical substances	12.10.2026
9.	Pharmacopoeial tests of pharmaceutical substances and electrochemical methods used in pharmaceutical analysis	19.10.2026

10.	Impurities in pharmaceutical substances	26.10.2026
11.	Statistical processing of chemical experiment results, validation of methods and the principle of choosing a quantitative determination method. Pharmacopoeial water quality control	02.11.2026
12.	Pharmacopoeial analysis of pharmaceutical substances of inorganic nature: s-elements	09.11.2026

*SSIW – students’ supervised independent work

Lecturer – S.G. Khaminets

Associate Professor of the Department of Pharmaceutical Chemistry with the course of advanced training and retraining,

PhD, Associate Professor



V.N. Belyatsky