

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 2026

CALENDAR-THEMATIC PLAN

laboratory lessons on the academic discipline "Pharmaceutical Chemistry"
for 4th year students of
Medical Faculty for Foreign Students
(with English language of instruction) in the specialty "Pharmacy"
for the 7th semester of the 2026/2027 academic year.

No.	LESSON TOPIC	DATE
1.	Modern methodology of original medicines creation. Determination of drugs and their metabolites in biological objects	09.09.2026
2.	Pharmaceutical chemistry of drugs for anesthesia and sleeping pills.	16.09.2026
3.	Pharmaceutical chemistry of anticonvulsant and antiparkinsonian drugs.	23.09.2026
4.	Pharmaceutical chemistry of neuroleptics and anxiolytics.	30.09.2026
5.	Pharmaceutical chemistry of antidepressants, psychostimulants and nootropic drugs.	07.10.2026
6.	Pharmaceutical chemistry of narcotic analgesics, agonists and antagonists of opioid receptors.	14.10.2026
7.	Final lesson «Creation, pharmacokinetics and pharmacodynamics, as well as pharmaceutical chemistry of drugs affecting the nervous system»	21.10.2026
8.	Pharmaceutical chemistry of non-steroidal anti-inflammatory drugs (NSAIDs), prostaglandins and their derivatives.	28.10.2026
9.	Pharmaceutical chemistry of cholinergic drugs and muscle relaxants.	04.11.2026
10.	Pharmaceutical chemistry of adrenergic drugs (adrenergic agonists and sympathomimetics)	11.11.2026
11.	Pharmaceutical chemistry of adrenergic drugs (adrenergic receptor antagonists and sympatholytics).	18.11.2026
12.	Pharmaceutical chemistry of H ₁ -histamine receptor antagonists, mast cell membrane stabilizers and leukotriene receptor antagonists.	25.11.2026
13.	Pharmaceutical chemistry of H ₂ -histamine receptor antagonists, proton pump inhibitors and serotonergic drugs.	02.12.2026

14.	Final lesson on the topics «Pharmaceutical chemistry of drugs affecting specific receptors, NSAIDs, prostaglandins, proton pump inhibitors»	09.12.2026
15	Final lesson "Pharmaceutical chemistry of drugs affecting the nervous system, specific receptors, NSAIDs, prostaglandins, proton pump inhibitors, phosphodiesterase inhibitors, antitussives, expectorants and mucolytics, drugs for the treatment of heart disease and antiarrhythmic drugs"	16.12.2026
16	Pharmaceutical chemistry of phosphodiesterase inhibitors, antitussive, expectorant and mucolytic drugs.	23.12.2026
17	Pharmaceutical chemistry of drugs for the treatment of heart diseases and antiarrhythmic drugs.	30.12.2026

Submission of course work by 01.12.2026.

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

PhD, Associate Professor



V.N. Belyatsky