

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

Department of Pharmaceutical Chemistry with a course
for advanced training and retraining

Discussed at the department meeting
Protocol No. 6 of January 23, 2026

CALENDAR AND THEMATIC PLAN

of laboratory classes lectures for the academic discipline "Toxicological Chemistry" for 4th-year students of the Medical Faculty for Foreign Students (with English language of instruction) in the specialty "Pharmacy" for the 8th semester of the 2025/2026 academic year

No	Topic	Date
1	Goals and Objectives of the Academic Discipline "Toxicological Chemistry". Organization of Medical Forensic Examination in the Republic of Belarus	09.02.2026– 13.02.2026
2	Introduction to Clinical Toxicology	16.02.2026– 20.02.2026
3	Methodology of Chemical–Toxicological Analysis	23.02.2026– 27.02.2026
4	Absorption, Distribution, and Elimination of Toxic Substances from the Human Body	02.03.2026– 06.03.2026
5	Biotransformation of Xenobiotics in the Human Body	09.03.2026– 13.03.2026
6	Substances Isolated from Biological Material by Mineralization: Prevalence of Poisonings and General Characteristics of "Metallic" Poisons	16.03.2026– 20.03.2026
7	Substances Isolated from Biological Material by Mineralization: Methods of Mineralization and Removal of Oxidizing Agents	23.03.2026– 27.03.2026
8	Substances Isolated from Biological Material by Mineralization: Methods for Detecting "Metallic" Poisons	30.03.2026– 03.04.2026
9	Substances Isolated from Biological Material by Mineralization: Methods for Quantitative Determination of "Metallic" Poisons	06.04.2026– 10.04.2026
10	Substances Isolated from Biological Material by Distillation: Scheme of Chemical–Toxicological Investigation of "Volatile" Poisons. Chemical Analysis of the Distillate	13.04.2026– 17.04.2026
11	Substances Isolated from Biological Material by Distillation: Toxicological Significance, Identification, and Quantitative Determination of "Volatile" Poisons	20.04.2026– 24.04.2026
12	Substances Isolated from Biological Material by Distillation: Gas Chromatographic Determination of "Volatile" Poisons. Forensic Examination of Alcohol Intoxication	27.04.2026– 01.05.2026

13	Substances Determined Directly in Biological Material	04.05.2026– 08.05.2026
14	Substances Isolated from Biological Material by Aqueous Extraction	11.05.2026– 15.05.2026
15	Substances Requiring Specific Isolation Methods	18.05.2026– 22.05.2026
16	Final lesson (Colloquium), test	25.05.2026– 29.05.2026

Associate Professor of Department
of Pharmaceutical Chemistry with a
course for advanced training and retraining

PhD, Associate Professor



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