

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

THEME PLAN

of lectures on the academic discipline "Analytical Chemistry" for 2nd year students of the Faculty of Pharmacy full-time higher education in the specialty "Pharmacy" for the IV semester 2025/2026 academic year.

№	THEME	Date
1	Methods of redox titration. general characteristics of redox titration methods. Iodometric, chloriodometric titration	13.02.2026
2	Iodatometric titration. Nitritometric titration. Dichromatometric titration. Permanganometric titration. Bromatometric titration. Cerimetric titration	SSW
3	General characteristics of instrumental methods of analysis. The basic law of absorption of electromagnetic radiation. Methods for calculating the concentration of a substance based on the value of the analytical signal.	20.02.2026
4	Absorption spectrometric methods of analysis. AAS, MAS	27.02.2026
5	Molecular methods of analysis. IR spectroscopy.	SSW
6	Atomic and molecular emission spectrometric methods of analysis.	06.03.2026
7	Optical methods not involving absorption or emission of radiation.	SSW
8	Electrochemical methods of analysis. Conductometry. Coulometry. Polarography	13.03.2026
9	Potentiometry. Voltammetry.	SSW
10	Radiometric methods of analysis.	20.03.2026

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