

MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS  
Educational Institution "Belarusian State Medical University"  
Department of Pharmaceutical Chemistry

Discussed at the meeting  
of the Pharmaceutical Chemistry department  
№ 1 from «30» august 2023

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 2023/2024 academic year.

№	THEME	Date
1	Methods of redox titration.	16.02.2024
2	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. Absorption spectrometric methods of analysis.	23.02.2024
3	Emission spectrometric methods of analysis.	01.03.2024
4	Optical methods not involving absorption or emission of radiation.	15.03.2024
5	General characteristics and theoretical foundations of chromatographic methods of analysis. Gas chromatography.	22.03.2024
6	Liquid chromatography. Chromatography-mass spectrometry	29.03.2024
7	Thin layer chromatography. Application of chromatographic methods of analysis in pharmaceutical analysis.	05.04.2024
8	General characteristics and classification of electrochemical methods of analysis. Conductometry. Coulometry.	12.04.2024
9	Potentiometric method of analysis. Voltammetry.	19.04.2024
10	Radiometric methods of analysis.	26.04.2024

Head of the department, Associate Professor



R.I.Lukashou