ЗАТВЕРДЖЕНО
на засіданні кафедри, протокол №_1_
від "31" _серпня__2021 р.

CALENDAR-THEMATIC PLAN
laboratory classes in pharmaceutical chemistry for students
3 year of the Faculty of Pharmacy for the 5th semester of 2021/2022 academic year

№ п/п	Topic	Group / Date				
		1-2 (3)	3-4(3)	5-6(3)	7 (3)	8 (3)
	PHARMACEUTICAL ANALYSIS					
1	Subject and tasks of pharmaceutical chemistry. Drug quality assessment system. Consistency of the composition as a necessary condition for all stages of existence of the drug. Peculiarities of pharmaceutical analysis are related to the purpose of drugs and the professional responsibility of the pharmacist. Pharmacopoeial analysis	01.09	07.09	02.09	03.09	02.09
2	Analysis of physicochemical properties of drugs as one of the elements of drug quality assessment.	08.09	14.09	09.09	10.09	09.09
3	The use of spectroscopic and chromatographic methods in the identification of drugs; features of use of standard samples of medicinal substances and standard spectra.	15.09	21.09	16.09	17.09	16.09
4	Identification of medicinal substances of inorganic nature by cations.	22.09	28.09	23.09	24.09	23.09
5	Identification of medicinal substances of inorganic nature by anions.	29.09	05.10	30.09	01.10	30.09
6	Identification of drugs of organic nature by functional groups (functional analysis).	06.10	12.10	07.10	08.10	07.10
7	Causes that cause changes in the structure of the drug (exposure to light, moisture, temperature and other factors provided by the conditions and terms of storage). Nature and nature of impurities, methods of their detection.	13.10	19.10	14.10	15.10	14.10
8	Methods of quantitative analysis of drug content. Gravimetry.	20.10	26.10	21.10	22.10	21.10
9	Titrimetric methods of analysis, part 1	27.10	02.11	28.10	29.10	28.10
10	Titrimetric methods of analysis, part 2	03.11	09.11	04.11	05.11	04.11
11	Titrimetric methods of analysis, part 3	10.11	16.11	11.11	12.11	11.11
12	Optical methods in quantitative analysis of drugs	17.11	23.11	18.11	19.11	18.11
13	Chromatographic methods, electrophoresis. Methods based on thermodynamic properties of substances: Combination of extraction, chromatographic and optical methods in the analysis of dosage forms.	24.11	30.11	25.11	26.11	25.11
14	Express analysis of drugs. Current trends in the development of pharmaceutical analysis.	01.12	07.12	02.12	03.12	02.12
15	Express analysis of monocomponent drugs.	08.12	14.12	09.12	10.12	09.12

16	Express analysis of multicomponent drugs. Final control.	15.12	21.12	16.12	17.12	16.12
Total		**51**				