



## CALENDAR-THEMATIC PLAN OF PRACTICAL LESSONS

in Medical and Analytical Toxicology for the 4 year

In specialty **226 Pharmacy, industrial pharmacy**

in specialization 226.01 «Pharmacy» Phm20 (4.10 full-time)eng

(autumn semester, 2023\2024)

№	Date	Lesson Name	Volume in hours Type of activity	Knowledge Assessment System, points	
				min	max
<b>CONTENT MODULE 1. MEDICAL TOXICOLOGY</b>					
1	04.09-08.09.2023	The content of drug toxicology, its purpose and place among other pharmacological disciplines. Toxicology of narcotic analgesics (NA), non-narcotic analgesics and non-steroidal anti-inflammatory drugs (NSAIDs).	4, pract. 1.	3	5
2	11.09-15.09.2023	Toxicology of neuroleptics, tranquilizers, hypnotic and other drugs that suppress the central nervous system. Toxicology of local anesthetics, psychostimulants, analeptics and other medicines stimulating CNS.	4, pract. 1.	3	5
<i>Final test of CM 1 assimilation</i>				6	10
<b>Total from CM 1:</b>				<b>12</b>	<b>20</b>
<b>CONTENT MODULE 2. ANALYTICAL TOXICOLOGY. CHEMICOTOXICOLOGICAL ANALYSIS OF DRUGS</b>					
3	18.09-22.09.2023	Tasks and main directions of Analytical Toxicology. General scheme of chemicotoxicological analysis of drugs. Sample preparation. TLC-screening of drugs.	4, pract. 1.	2	3
4	25.09-29.09.2023	Chemicotoxicological analysis of acidic, neutral and weak basic drugs.	4, pract. 1.	2	4
5	02.10-06.10.2023	Chemicotoxicological analysis of alkaloids.	4, pract. 1.	2	3
6	09.10-13.10.2023	Chemicotoxicological analysis of alkaloids.	4, pract. 1.	2	4
7	16.10-20.10.2023	Chemicotoxicological analysis of 1,4-benzodiazepines, phenothiasines, derivatives of <i>p</i> -aminobenzoic acid and some other groups of basic drugs.	4, pract. 1.	2	3
8	23.10-27.10.2023	Quantitative determination of drugs in biological samples. Examination of body fluids for the presence of drugs in diagnostics of acute poisonings.	4, pract. 1.	2	3
<i>Final test of CM 2 assimilation</i>				12	20
<b>Total from CM 2:</b>				<b>24</b>	<b>40</b>

<b>CONTENT MODULE 3. CHEMICOTOXICOLOGICAL ANALYSIS OF VOLATILE SUBSTANCES AND HEAVY METAL COMPOUNDS. ANALYTICAL DIAGNOSTICS OF TOXIC GAS POISONINGS</b>					
9	30.10-03.11.2023	Chemicotoxicological analysis of volatile substances.	4, pract. 1.	3	4
10	06.11-10.11.2023	Chemicotoxicological analysis of volatile substances. Analytical diagnostics of toxic gas poisonings	4, pract. 1.	2	4
11	13.11-17.11.2023	Chemicotoxicological analysis of heavy metal compounds.	4, pract. 1.	2	4
12	20.11-24.11.2023	Chemicotoxicological analysis of heavy metal compounds.	4, pract. 1.	3	4
13	27.11-01.12.2023	Biochemical and analytical aspects of pesticide toxicology.	4, pract. 1.	2	4
		<i>Final test of CM 3 assimilation</i>		12	20
<b>Total from CM 3:</b>				<b>24</b>	<b>40</b>
14	04.12-08.12.2023	<b>Semester credit: "Medical and Analytical Toxicology"</b>	2, pract. 1.		
<b>THE WHOLE AMOUNT OF HOURS FOR THE MODULE 1</b>			54	<b>60</b>	<b>100</b>

Head of the Department,  
Professor



(signature)

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