



**CALENDAR-THEMED PLAN OF LABORATORY CLASSES**

from the educational component «Pharmacognosy with the basics of resource science» for 3<sup>rd</sup> year students 22 «Healthcare»

226 «Pharmacy, industrial pharmacy», educational program «Pharmacy»

**ФМ21\*(4,10д)English 1 – 2 groups**

(autumn semester, 2023-2024)

№	Date	Lesson Name	Volume in hours Type of activity	Knowledge Assessment System, points	
				min	max
<b>CONTENT MODULE 3. METHODS OF PHARMACOGNOSTIC ANALYSIS. MEDICINAL PLANTS, RAW MATERIAL OF HERBAL AND ANIMAL ORIGIN CONTAINING PHENOLIC COMPOUNDS</b>					
1.	25.10	Chemical, morphological and anatomical analysis of MPM containing simple phenolics and their glycosides, lignans, xanthenes.	4 Lab	1	2
2.	01.11	Chemical, morphological and anatomical analysis of MPM containing coumarins and chromones.	4 Lab	1	2
3.	03.11	Chemical, morphological and anatomical analysis of MPM containing flavonoids – I.	4 Lab	1	2
4.	08.11	Chemical, morphological and anatomical analysis of MPM containing flavonoids – II.	4 Lab	1	2
5.	10.11	Chemical, morphological and anatomical analysis of MPM containing anthracene derivatives.	4 Lab	1	2
6.	15.11	Chemical, morphological and anatomical analysis of MPM containing anthracene derivatives.	4 Lab	1	2
7.	17.11	Chemical, morphological and anatomical analysis of MPM containing tannins.	4 Lab	1	2
8.	22.11	Chemical, morphological and anatomical analysis of MPM containing tannins.	4 Lab	1	2
9.	24.11	<i>Final test of CM 3 assimilation</i>	4 Lab	22	34
<b>Total from CM 3:</b>				<b>30</b>	<b>50</b>
<b>CONTENT MODULE 4. MEDICINAL PLANTS AND PLANT MATERIAL CONTAINING ALKALOIDS AND DIFFERENT GROUPS OF BAC. MERCHANDISING ANALYSIS OF MPM. MEDICAL FEES AND TEAS. RESOURCE SCIENCE OF MEDICINAL PLANTS.</b>					
10.	29.11	General characteristic of alkaloids. Chemical analysis of MPM, which contains alkaloids.	4 Lab	1	2
11.	01.12	Chemical and morphological analysis of MPM containing protoalkaloids and pseudoalkaloids.	4 Lab	1	2
12.	06.12	Chemical, morphological and anatomical analysis of MPM containing typical alkaloids.	4 Lab	1	2
13.	08.12	MP and MPM, containing different groups of BAC. Animal-derived raw material. Determination of identity and quality of MPM.	4 Lab	1	2
14.	13.12	Medicinal plants and raw material containing different biologically active compounds. Tissue cultures. Merchandising analysis of MPM. Ways of processing medicinal plant raw materials. Analysis of medicinal fees and teas.	4 Lab	1	2
15.	15.12	Resource science of medicinal plants.	4 Lab	1	2
16.	20.12	<i>Final test of CM 4 assimilation</i>	4 Lab	24	38
<b>Total from CM 4:</b>				<b>30</b>	<b>50</b>
17.	22.12	<i>Semester credit from module 2</i>	4 Lab		
<b>THE WHOLE AMOUNT OF HOURS FOR THE MODULE 2</b>			<b>Lab-68</b>	<b>60</b>	<b>100</b>

Head of the Pharmacognosy and Nutriciology,  
Professor

Viktoriia KYSLYCHENKO

**STUDENT WORKLOAD IN HOURS**

Total	Credit	Lectures	Laboratory	Independent work	National scale
127,5	4,25	8	68	51,5	Credit For example (90-passed-A)

**SEMESTER EXAM**

Total	Credit	Lectures	Laboratory	Independent work	National scale
22,5	0,75	-	-	-	Mark (90-5-A)

**Note.** Assessment of **current rating (CR)** of students **at each class** is carried out according to the scale: 0-59% - 0 points, 60-73% - 1 point, 74-100% - 2 points. Evaluation of the **CM № 3, CM № 4** is carried out by the sum of the current rating and control works from the modules.

%	Points
<i>Final test of CM 3 assimilation</i>	
90-100	31-34
74-89	26-32
60-73	22-25
0-59	0-21

%	Points
<i>Final test of CM 4 assimilation</i>	
90-100	34-38
74-89	28-33
60-73	24-27
0-59	0-23

**Rating from module 2 (per semester) = CM №3 + CM № 4**