



CALENDAR-THEMED PLAN OF LABORATORY CLASSES

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

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

ΦM21(4,10Д)English 01 – 07 groups

(spring semester, 2023-2024)

№	Date	Lesson Name	Volume in hours Type of activity	Knowledge Assessment System, points	
				min	max
CONTENT MODULE 3. METHODS OF PHARMACOGNOSTIC ANALYSIS. MEDICINAL PLANTS, RAW MATERIAL OF HERBAL AND ANIMAL ORIGIN CONTAINING PHENOLIC COMPOUNDS					
1.	05.02-08.02	Chemical, morphological and anatomical analysis of MPM containing simple phenolics and their glycosides, lignans, xanthones.	4 Lab	1	2
2.	12.02-15.02	Chemical, morphological and anatomical analysis of MPM containing coumarins and chromones.	4 Lab	1	2
3.	19.02-22.02	General characteristic of flavonoids. Chemical, morphological and anatomical analysis of MPM containing flavonoids – I.	4 Lab	1	2
4.	26.02-29.02	Chemical, morphological and anatomical analysis of MPM containing flavonoids – II.	4 Lab	1	2
5.	04.03-07.03	General characteristic of anthracene derivatives.	4 Lab	1	2
6.	11.03-14.03	Chemical, morphological and anatomical analysis of MPM containing anthracene derivatives.	4 Lab	1	2
7.	18.03-21.03	General characteristic of tannins.	4 Lab	1	2
8.	25.03-28.03	Chemical, morphological and anatomical analysis of MPM containing tannins.	4 Lab	1	2
9.	01.04-04.04	<i>Final test of CM 3 assimilation</i>	4 Lab	22	34
Total from CM 3:				30	50
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.					
10.	08.04-11.04	General characteristic of alkaloids. Chemical analysis of MPM, which contains alkaloids.	4 Lab	1	2
11.	15.04-18.04	Chemical and morphological analysis of MPM containing protoalkaloids and pseudoalkaloids.	4 Lab	1	2
12.	22.04-25.04	Chemical, morphological and anatomical analysis of MPM containing typical alkaloids.	4 Lab	1	2
13.	29.04-02.05	MP and MPM, containing different groups of BAC. Animal-derived raw material. Determination of identity and quality of MPM.	4 Lab	1	2
14.	06.05-09.05	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.	13.05-16.05	Resource science of medicinal plants.	4 Lab	1	2
16.	20.05-23.05	<i>Final test of CM 4 assimilation</i>	4 Lab	24	38
Total from CM 4:				30	50
17.	27.05-30.05	<i>Semester credit from module 2</i>	4 Lab		
THE WHOLE AMOUNT OF HOURS FOR THE MODULE 2			Lab-68	60	100

Head of the Pharmacognosy
and Nutriology,
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