



CALENDAR-THEMED PLAN OF LABORATORY CLASSES

from the educational component «Pharmacognosy with the basics of resource science» for 3rd year students 22 «Health care» 226 «Pharmacy, industrial pharmacy», educational program «Pharmacy»
ФМ21(4,10Д) English 02 group
(autumn semester, 2023-2024)

№	Date	Lesson Name	Volume in hours Type of activity	Knowledge Assessment System, points	
				min	max
CONTENT MODULE 1. GENERAL PART OF PHARMACOGNOSY. MEDICINAL PLANTS AND NATURAL RAW MATERIALS CONTAINING CARBOHYDRATES, THIO- AND CYANOGLYCOSIDES, LIPIDS, PROTEINS, VITAMINS, ORGANIC ACIDS.					
1.	31.10	Chemical, morphological and anatomical analysis of MPM containing carbohydrates.	4 Lab	1	2
2.	07.11	Chemical, morphological and anatomical analysis of MPM containing lipids and lipoids.	4 Lab	1	2
3.	09.11	Chemical, morphological and anatomical analysis of MPM containing vitamins.	4 Lab	1	2
4.	14.11	Chemical, morphological and anatomical analysis of MPM containing organic acids and compounds of silicon.	4 Lab	1	2
5.	21.11	<i>Final test of CM 1 assimilation</i>	4 Lab	26	42
Total from CM 1:				30	50
CONTENT MODULE 2. MEDICINAL PLANTS AND NATURAL RAW MATERIALS THAT CONTAIN ISOPRENOIDS (MONOTERPENE GLYCOSIDES, BITTERS, ESSENTIAL OILS, TRITERPENOID, STEROIDS, SAPONINS AND CARDIAC GLYCOSIDES).					
6.	23.11	Chemical, morphological and anatomical analysis of MPM containing iridoids and other bitters. Chemical analysis of MPM containing essential oils.	4 Lab	1	2
7.	28.11	Chemical, morphological and anatomical analysis of MPM containing monoterpenoids, sesquiterpenoids	4 Lab	1	2
8.	05.12	Chemical, morphological and anatomical analysis of MPM containing aromatic compounds. Chemical and morphological analysis of MPM containing resins and balsams.	4 Lab	1	2
9.	07.12	Chemical, morphological and anatomical analysis of MPM containing steroids, triterpenoids, saponins.	4 Lab	1	2
10.	12.12	Chemical, morphological and anatomical analysis of MPM containing steroids, triterpenoids, saponins.	4 Lab	1	2
11.	19.12	Chemical, morphological and anatomical analysis of MPM containing cardiac glycosides.	4 Lab	1	2
12.	21.12	Chemical, morphological and anatomical analysis of MPM containing cardiac glycosides.	4 Lab	1	2
13.	09.10	<i>Final test of CM 2 assimilation</i>	4 Lab	23	36
Total from CM 2:				30	50
14	16.01	<i>Semester credit from module 1</i>	2 Lab		
THE WHOLE AMOUNT OF HOURS FOR THE MODULE 1			Lab-54	60	100

Head of the Department of
Pharmacognosy
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STUDENT WORKLOAD IN HOURS

Total	Credit	Lectures	Classes	Independent work	National scale
120	4,0	16	54	50	Credit For example (91-credit-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 № 1, CM № 2** is carried out by the sum of the current rating and control works from the modules.

%, <i>Final test of CM 1 assimilation</i>	Points
90-100	38-42
74-89	31-37
60-73	26-30
0-59	0-25

%, <i>Final test of CM 2 assimilation</i>	Points
90-100	33-36
74-89	27-32
60-73	23-26
0-59	0-22

Rating from module 1 (per semester) = CM №1 + CM № 2