CALENDAR-THEMED PLAN OF LABORATORY CLASSES

in **Pharmacognosy with the basics of resource science** for 3rd year students 22 «Public health» 226 «Pharmacy, industrial pharmacy», educational program «Pharmacy»

Фм20*(4,10д)English 1 groups

(autumn semester, 2022-2023)

№	Date	Topic of the class	Amount of hours, type of class	System of knowledge evaluation, points	
				min	max
SUBSTANTIAL MODULE 3. METHODS OF PHARMACOGNOSTIC ANALYSIS. MEDICINAL PLANTS, RAW MATERIAL OF HERBAL AND ANIMAL ORIGIN CONTAINING PHENOLIC COMPOUNDS					
1.	02.09	Chemical, morphological and anatomical analysis of MPM containing simple phenolics and their glycosides, lignans, xanthones.	*4 Lab*	1	2
2.	09.09	Chemical, morphological and anatomical analysis of MPM containing coumarins and chromones.	*4 Lab*	1	2
3.	16.09	Chemical, morphological and anatomical analysis of MPM containing flavonoids – I.	*4 Lab*	1	2
4.	23.09	Chemical, morphological and anatomical analysis of MPM containing flavonoids – II.	*4 Lab*	1	2
5.	30.09	Chemical, morphological and anatomical analysis of MPM containing anthracene derivatives.	*4 Lab*	1	2
6.	07.10	Chemical, morphological and anatomical analysis of MPM containing anthracene derivatives.	*4 Lab*	1	2
7.	14.10	Chemical, morphological and anatomical analysis of MPM containing tannins.	*4 Lab*	1	2
8.	21.10	Chemical, morphological and anatomical analysis of MPM containing tannins.	*4 Lab*	1	2
9.	28.10	*Control of the SM 3*	*4 Lab*	*22*	*34*
			Total on the SM 3	**30**	**50**
SUBSTANTIAL MODULE 4. MEDICINAL PLANTS, RAW MATERIAL OF HERBAL AND ANIMAL ORIGIN CONTAINING ALKALOIDS. MP AND MPM, CONTAINING DIFFERENT GROUPS OF BAC. ANIMAL-DERIVED RAW MATERIAL. DETERMINATION OF IDENTITY AND QUALITY OF MPM					
10.	04.11	General characteristic of alkaloids. Chemical analysis of MPM, which contains alkaloids.	*4 Lab*	1	2
11.	11.11	Chemical and morphological analysis of MPM containing protoalkaloids and pseudoalkaloids.	*4 Lab*	1	2
12.	18.11	Chemical, morphological and anatomical analysis of MPM containing typical alkaloids.	*4 Lab*	1	2
13.	25.11	MP and MPM, containing different groups of BAC. Animal-derived raw material. Determination of identity and quality of MPM.	*4 Lab*	1	2
14.	02.12	Purpose and tasks of resource science of medicinal plants. Search for industrial arrays of medicinal plants. Geobotanical bases of resource science of medicinal plants.	*4 Lab*	1	2
		Estimation of the amount of stocks of medicinal raw materials in specific thickets by the methods of accounting plots, model specimens and projective coverage.		1	2
15.	09.12	*Control of the SM 4*	*4 Lab*	*24*	*38*
			Total on the SM 4	**30**	**50**
16.	16.12	*Semester credit from module 2: « Methods of pharmacognostic analysis. Medicinal plants, raw material of herbal and animal origin containing phenolic compounds, alkaloids. MP and MPM, containing different groups of BAC. Animal-derived raw material. determination of identity and quality of MPM.»*	*4 Lab*		
		TOTAL FOR MODULE 2	**Lab-68**	**60**	**100**

Head of the Department of Chemistry of
Natural Compounds and Nutritiology,

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)

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 **SM # 3**, **# 4** is carried out by the sum of the current rating and control works from the modules.

% SM № 3	Points
90-100	31-34
74-89	26-32
60-73	22-25
0-59	0-21

% SM № 4	Points
90-100	34-38
74-89	28-33
60-73	24-27
0-59	0-23

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