



**THE COURSE SCHEDULE OF PRACTICAL CLASSES**  
**in Pharmaceutical Botany Module 2**  
 for higher education students for the 2nd course  
 specialty 226 «Pharmacy, industrial pharmacy» ФМ23(4.10Д)АНГЛ-01  
 (autumn semester, 2024-2025 academic years)

№ з/п	Date	Topic of the lesson	Volume per hours, type of classes	The system of Knowledge assessment, points	
				min	max
<b>CONTENT MODULE 4. STRUCTURE AND FUNCTION OF GENERATIVE ORGANS OF PLANTS, THEIR TAXONOMIC AND DIAGNOSTIC SIGNS</b>					
1.	5.09.2024	Morphological structure of the inflorescence and flower. <b>Themes for independent studying:</b> Methods of pollination. Double fertilization of the flower, the formation of the fruits.	4 pr.cl.	3	5
2.	12.09.2024	Morphological structure of the fruits and multiple fruits. <b>Themes for independent studying:</b> Structure and classification of seeds and multiple fruits. Distribution of plants. <b>Independent educational-research work</b> <b>Computer test for the "Krok 1" exam (topics 1-2)</b> <i>Control of CM 4 acquisition (Morphology of the generative organs)</i>	4 pr.cl.	3 6	5 10
<b>Total for CM 4</b>				<b>18</b>	<b>30</b>
<b>CONTENT MODULE 5. PLANT TAXONOMY. REVIEW OF SOME FAMILIES OF ANGIOSPERMS AND THEIR MEDICINAL REPRESENTATIVES (PLANT SYSTEMATICS PART 1)</b>					
3.	19.09.2024	<i>The Brassicaceae (Mustard) Family; Fabaceae (Legume or Bean) Family, The Polygonaceae (Knotweed) Family</i> <b>Themes for independent studying:</b> <i>The Polygonaceae (Knotweed) Family</i> <b>Test control</b>	4 pr.cl.	3	5
4.	26.09.2024	<i>The Rosaceae (Rose) Family, the Ericaceae (Heath) Family, the Poaceae (Grass) Family, the Alliaceae (Onion) Family</i> <b>Themes for independent studying:</b> <i>the Poaceae (Grass) Family, the Alliaceae (Onion) Family</i> <b>Test control</b>	4 pr.cl.	3	5
5.	3.10.2024	<i>The Apiaceae (Carrot) Family</i> <b>Control knowledge of herbarium</b> <b>Computer test for the "Krok 1" exam (topics 3-5)</b> <i>Control of CM 5 acquisition (Plant systematics part 1)</i>	4 pr.cl.	6 6	10 10
<b>Total for CM 5</b>				<b>18</b>	<b>30</b>
<b>CONTENT MODULE 6. System of plant world. Systematic position; morphological features; ecology and use of medicinal plant and fungi. Elements of ecology, phytocenology and geography of plants (Plant systematics part 2)</b>					
6.	10.10.2024	<i>The Solanaceae (Potato) Family, the Lamiaceae (Mint) Family. Gymnosperm plants</i> <b>Themes for independent studying:</b> An overview of the medicinal representatives of gymnosperms <b>Test control</b>	4 pr.cl.	3	5
7.	17.10.2024	<i>The Asteraceae (Sunflower) Family</i> <b>Themes for independent studying:</b> Signs of the spore plants. Medicinal species of the <i>Equisetophyta</i> – horsetails (representative <i>Equisetum arvense</i> ) and <i>Polypodiophyta</i> – ferns (representative <i>Dryopteris filix-mas</i> ). <b>Test control</b>	4 pr.cl.	3	5
8.	24-31.10.2024	Medicinal plants of the different families. <b>Themes for independent studying:</b> Algae, mushrooms and lichens - diagnostic features, classification. Medicinal species of blue-green algae ( <i>spirogir</i> ), brown algae ( <i>laminaria, fucus</i> ), mushrooms ( <i>mushroom, chaga</i> ), lichens ( <i>citraria</i> ) <b>Control knowledge of herbarium</b> <b>Control of content module 6 (Plant systematics part 2)</b> <b>Computer test for the "Krok 1" exam (topics 6-8)</b>	4 pr.cl.	6 6	10 10
9.	7.11.2024	Analysis of Krok-1 tests to prepare for the licensing exam on the topic «Morphology of generative organs. Plant systematics» <i>Control of CM 5 acquisition (Plant systematics part 2)</i>	3 pr.cl.	6	10
<b>Total for CM 6</b>				<b>24</b>	<b>40</b>
	7.11.2024	<b>Semester credit test in module 2: "Morphology of generative organs. Plant systematics"</b>	1 pr.cl.		
<b>THE WHOLE AMOUNT OF HOURS FOR THE MODULE 2</b>			<b>36</b>	<b>60</b>	<b>100</b>

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**STUDENT WORKLOAD IN HOURS**

<b>Total</b>	<b>Credit</b>	<b>Lectures</b>	<b>Classes</b>	<b>Independent work</b>	<b>National scale</b>
90	3,0	16	38	36	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 № 4, CM № 5, CM № 6** is carried out by the sum of the current rating and control works from the modules.

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

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

Rating from module 2 (per semester) = CM №4 + CM № 5+ CM № 6