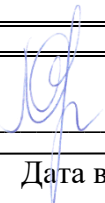




**CALENDAR-THEMATIC PLAN
PRACTICAL CLASSES**

on Pharmaceutical Botany Module 2
for higher education students of the 2nd course
specialty 226 «Pharmacy, industrial pharmacy»
ΦΜ20(4.10)ΑΗΓΛ 01-11
(autumn semester, 2021-2022 academic years)

№ з/п	Date	The topic of the lesson	Volume in hours, type of occupation	Evaluation system knowledge, marks	
				min	max
Content module 4. Structure and function of generative organs of plants, their taxonomic and diagnostic signs. Sexual propagation of plants.					
1.	1.09-10.09	Morphological structure of the inflorescence and flower. Themes for independent studying: Methods of pollination. Double fertilization of the flower, the formation of the fruits.	4 pr.cl.	3	5
2.	13.09-24.09	Morphological structure of the fruits and multiple fruits. Themes for independent studying: Structure and classification of seeds and multiple fruits. Distribution of plants. Independent educational-research work	4 pr.cl.	3	5
		Control of content module 4 (Morphology of the generative organs) Computer test for the "Krok 1" exam (topics 1-2)		3	5
Content module 5. Plant taxonomy. Review of some families of Angiosperms and their medicinal representatives (Plant systematics part 1)					
3.	27.09-8.10	<i>The Brassicaceae (Mustard) Family; Fabaceae (Legume or Bean) Family, The Polygonaceae (Knotweed) Family</i> Themes for independent studying: <i>The Polygonaceae (Knotweed) Family</i> Test control	4 pr.cl.	3	5
4.	11.10- 22.10	<i>The Rosaceae (Rose) Family, the Ericaceae (Heath) Family, the Poaceae (Grass) Family, the Alliaceae (Onion) Family</i> Themes for independent studying: <i>the Poaceae (Grass) Family, the Alliaceae (Onion) Family</i> Test control	4 pr.cl.	3	5
5.	25.10 - 5.11	<i>The Apiaceae (Carrot) Family</i> Control knowledge of herbarium	4 pr.cl.		
		Control of content module 5 (<i>Plant systematics part 1</i>) Computer test for the "Krok 1" exam (topics 3-5)		3	5
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)					
6.	8.11-19.11	<i>The Solanaceae (Potato) Family, the Lamiaceae (Mint) Family. Gymnosperm plants</i> Themes for independent studying: An overview of the medicinal representatives of gymnosperms Test control	4 pr.cl.	3	5
7.	22.11-3.12	<i>The Asteraceae (Sunflower) Family</i> Themes for independent studying: 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>). Test control	4 pr.cl.	3	5
8.	6.12-17.12	Medicinal plants of the different families. Themes for independent studying: 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>) Control knowledge of herbarium	4 pr.cl.		
		Control of content module 6 (<i>Plant systematics part 2</i>) Computer test for the "Krok 1" exam (topics 6-8)		3	5
9.	20.12 - 24.12 10.01-14.01	Final test of Module 2 «Morphology of generative organs. Plant systematics»	4 pr.cl.	24	40
Summary				60	100

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