



CALENDAR-THEMATIC PLAN
PRACTICAL CLASSES
on Pharmaceutical Botany Module 2
 for higher education students of the 1st* course
 speciality 226 «Pharmacy, industrial pharmacy»
 ΦΜ21*(4.10Д)ΑΗΓЛ-01
 (spring 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. | 15.02.2022 | 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. | 1.03.2022 | 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 (systematics part 1) | | | | | |
| 3. | 15.03.2022 | The Brassicaceae (Mustard) Family; Fabaceae (Legume or Bean) Family, The Polygonaceae (Knotweed) Family Themes for independent studying: The Polygonaceae (Knotweed) Family Test control | 4 pr.cl. | 3 | 5 |
| 4. | 29.03.2022 | The Rosaceae (Rose) Family, the Ericaceae (Heath) Family, the Poaceae (Grass) Family, the Alliaceae (Onion) Family Themes for independent studying: the Poaceae (Grass) Family, the Alliaceae (Onion) Family Test control | 4 pr.cl. | 3 | 5 |
| 5. | 12.04.2022 | The Apiaceae (Carrot) Family Control knowledge of herbarium | 4 pr.cl. | 3 | 5 |
| | | Control of content module 5 (Plant systematics part 1) 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 (systematics part 2) | | | | | |
| 6. | 26.04.2022 | The Solanaceae (Potato) Family, the Lamiaceae (Mint) Family. Gymnosperm plants Themes for independent studying: An overview of the medicinal representatives of gymnosperms Test control | 4 pr.cl. | 3 | 5 |
| 7. | 10.05.2022 | The Asteraceae (Sunflower) Family Themes for independent studying: Signs of the spore plants. Medicinal species of the Equisetophyta – horsetails (representative <i>Equisetum arvense</i>) and Polypodiophyta – ferns (representative <i>Dryopteris filix-mas</i>). Test control | 4 pr.cl. | 3 | 5 |
| 8. | 24.05.2022 | 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. | 3 | 5 |
| | | Control of content module 6 (Plant systematics part 2) Computer test for the "Krok 1" exam (topics 6-8) | | 3 | 5 |
| 9. | 7.06.2022 | Module test | 4 pr.cl. | 24 | 40 |
| | | Summary | | 60 | 100 |

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