



„ A P R O V E ”

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CALENDAR AND THEMATIC PLAN
of lectures, laboratory and self-training works
of PHARMACOGNOSY for students of III year, Faculty of Pharmacy,
2025-2026 academic year (VIst semester)

N.	THEME	Number of hours			Data
		Lect ures	Lab oratory	Self- train ing	
1	Alkaloids. History. Classification. Herbal products containing pyrrolizidine alkaloids: <i>Senecionis platyphylloides herba</i> , <i>Symphyti radix</i> ; derivatives of coniine: <i>Conii fructus</i> ; derivatives of nicotine: <i>Nicotianae folium</i> ; tropane alkaloids: <i>Belladonnae folium</i> , <i>Belladonnae radix</i> , <i>Daturae innoxiae herba</i> , <i>Daturae innoxiae semen</i> , <i>Hyoscyami folium</i> , <i>Stramonii folium</i>	1	4	6	03.02
2	Herbal products containing quinolizidine alkaloids: <i>Nupharis lutei rhizoma</i> , <i>Sophorae pachycarpae herba</i> , <i>Thermopsidis lanceolatae herba</i> ; isoquinoline: <i>Berberidis folium</i> , <i>Berberidis radix</i> , <i>Chelidonii herba</i> , <i>Chelidonii radix</i> , <i>Glauci flavi herba</i> , <i>Macleayae herba</i> , <i>Papaveris immaturi fructus</i> , <i>Opium</i> ; indole: <i>Catharanthi rosei herba</i> , <i>Passiflorae incarnatae herba</i> , <i>Rauwolfiae radix</i> , <i>Secale cornutum</i> , <i>Strychni semen</i>	2	4	6	10.02
3	Herbal products containing purine alkaloids: <i>Theae folium</i> , <i>Coffeae semen</i> , <i>Cacao semen</i> , <i>Colae semen</i> ; terpenoids: <i>Aconiti tuber</i> , <i>Delphinii consolidae flos</i> ; steroidal: <i>Veratri rhizoma cum radix</i> ; acyclic alkaloids: <i>Capsici fructus</i> , <i>Colchici semen</i> , <i>Ephedrae herba</i>	2	4	6	17.02
4	Chemical analysis of herbal products with alkaloids	-	4	6	24.02
5	Phenolic compounds. Definition, classification, distribution, uses. Herbal products containing simple phenolic heterosides: <i>Uvae ursi folium</i> , <i>Vitis idaeae folium</i> , <i>Salicis cortex</i> , <i>Populi gemma</i> , <i>Rhodiola radix</i> . Herbal products containing phenolic acid derivatives: <i>Cichorii folium</i> , <i>Cynarae folium</i> . Lignans. Herbal products containing lignan derivatives: <i>Podophylli rhizoma</i> , <i>Schisandrae fructus</i> . Coumarins and chromones. Generality. herbal products containing coumarins and chromones: <i>Meliloti herba</i> , <i>Ammi majoris fructus</i> , <i>Ammi visnagae fructus</i> , <i>Angelicae radix</i> , <i>Anethi graveolens fructus</i> , <i>Pastinacae fructus</i>	2	4	8	03.03
6	I. Evaluation of knowledge (alkaloids, phenolic compounds, coumarins and chromones)	1	4	-	10.03
7	Anthracene derivatives and their heterosides. Generality. Classification. Herbal products containing anthracene derivatives: <i>Frangulae cortex</i> , <i>Rhamni catharticae fructus</i> , <i>Rhei rhizoma</i> , <i>Rubiae rhizoma et radi</i> , <i>Sennae folium</i> , <i>Sennae fructus</i> , <i>Aloe folium</i> , <i>Hyperici herba</i>	2	4	8	17.03
8	Chemical analysis of herbal products with anthracene derivatives	-	4	6	24.03



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N.	THEME	Number of hours			Data
		Lectures	Laboratory	Self-training	
9	Flavonoids. Generality. Classification. Herbal products containing flavonoids: <i>Sophorae flos</i> , <i>Crataegi folium</i> , <i>Crataegi flos</i> , <i>Crataegi fructus</i> , <i>Ginkgo bilobae folium</i> , <i>Silybi marianae fructus</i> , <i>Helichrysi flos</i> , <i>Passiflorae herba</i> , <i>Aroniae fructus</i> , <i>Leonuri herba</i> , <i>Calendulae flos</i> .	2	4	8	31.03
10	Chemical analysis of herbal products with flavonoids	1	4	6	07.04
11	Tannins. Classification. Herbal products containing tannins: <i>Gallae</i> , <i>Rhus coriariae folium</i> , <i>Cotini coggygiae foium</i> , <i>Agrimoniae herba</i> , <i>Bistortae rhizoma</i> , <i>Hamamelidis folium</i> , <i>Hamamelidis cortex</i> , <i>Quercus cortex</i> , <i>Gei rhizoma</i> , <i>Vaccinii macrocarpi fructus</i> , <i>Vitis viniferae folium</i> , <i>Vitis viniferae semen</i> , <i>Pelargonii radix</i>	2	4	2	21.04
12	Chemical analysis of herbal products with tannins	-	4	6	28.04
13	II. Evaluation of knowledge (anthracene derivatives, flavonoids, tannins)	-	4	-	05.05
14.	Other plant products with therapeutic importance: <i>Hippophae fructus</i> , <i>Myrtilli folium</i> , <i>Phaseoli pericarpium</i> , <i>Mori albae folium</i> , <i>Caricae folia</i> , <i>Caricae fructus</i> , <i>Cucurbitae semen</i> . Pharmacognostic analysis of plant products. Rational use of phytotherapeutic products.	1	4	3	12.05
15.	Evaluation of practical skills				19.05
Total: Ist semester 150 hours		15	60	75	

Discussed and and approved at the department meeting, Minutes Nr. 8 from 28.01.26

Responsible of didactic domain,
Responsible of subject,
Associate Professor, PhD

Maria Cojocaru-Toma