

**Thematic plan of seminars
in the discipline "Botany"
for students of the educational program
specialist
in the specialty 33.05.01 Pharmacy,
form of study full-time education
for the 2023-2024 academic year**

№	Thematic blocks	Hours (academic)
1.	Fundamentals of botanical microtechnology. Structure of a plant cell	9
2.	Final thematic unit: "Plant cell".	3
3.	Plant tissues	9
4.	Final thematic block: "Plant tissues".	3
5.	Vegetative organs of plants	15
6.	Final thematic block: "Vegetative organs of higher plants"	3
7.	Generative organs of plants	6
8.	Final thematic block: "Morphology of generative organs. Ontogenesis of plants"	4
9.	Spore plants	6
10.	Division of Gymnosperms	3
11.	Final thematic block: "Fungi. Algae. Higher spore plants. Seed plants"	3
12.	Systematics of flowering plants 1	12
13.	Final thematic unit: "Systematics of flowering plants 1".	3
14.	Systematics of Flowering Plants 2	15
15.	Final thematic unit: "Systematics of flowering plants 2".	3
16.	Intermediate certification	4
	Total	101

Considered at the meeting of the department of Pharmacognosy and Botany "26" May 2023, protocol No10

Head of the Department
of Pharmacognosy
and Botany, Associate Professor



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