

**Thematic lesson plan of lectures  
in the discipline "Medicines from natural raw materials"  
for students of the educational program  
specialist in the specialty 33.05.01 Pharmacy,  
direction (profile) Pharmacy,  
form of study full-time  
for the 2023-2024 academic year**

№	Topics of lectures	Hours (academic)
1.	Nomenclature of medicines of natural source. Medicinal tea collections osage form. <sup>1</sup> Classification and characterisation of natural sources of medicines. Nomenclature and classification of collections. Main stages of making medicinal collections. <sup>2</sup>	2
2.	Extraction of medicinal forms from medicinal plant raw materials. <sup>1</sup> Extraction. Cell. Plant cell. Plant tissues. Influence of anatomical (histological) structure of plant raw materials on the extraction process. Characteristics of the main physico-chemical processes of extraction (diffusion, osmosis, dialysis). <sup>2</sup>	2
3.	Medicinal herbal raw materials and phytopreparations influencing the secretion of digestive glands and biliary tract. <sup>1</sup> Digestion. Secretion of digestive glands. Biologically active substances of medicinal plants affecting the secretion of digestive glands. Nomenclature and characteristics of phytopreparations stimulating the secretion of digestive glands. <sup>2</sup>	2
4.	Medicinal plant raw materials and phytopreparations of diuretic action. <sup>1</sup> Biologically active substances of medicinal plants, determining diuretic action of medicinal plant raw materials. Nomenclature and characteristics of phytopreparations of diuretic action. <sup>2</sup>	2
5.	Medicinal plant raw materials and phytopreparations of haemostatic action. <sup>1</sup> Biologically active substances of medicinal plants, determining hemostatic action of medicinal plant raw materials. Nomenclature and characteristics of phytopreparations of haemostatic action. <sup>2</sup>	2
6.	Medicinal plant raw materials of antitumour action. <sup>1</sup> Biologically active substances of medicinal plants, determining antitumour action of medicinal plant raw materials. Nomenclature and characteristics of phytopreparations of antitumour action. <sup>2</sup>	2
7.	Medicines from raw materials of animal origin. <sup>1</sup> Nomenclature and characteristics of raw materials of animal origin. Features of preparation, storage of raw materials of animal origin. Methods of preservation. <sup>2</sup>	2
	Total	14

<sup>1</sup> -Subject

<sup>2</sup> - essential content (if necessary)

Considered at the meeting of the department of Pharmacognosy and Botany "26" May 2023, protocol No 10.

Head of the Department

A.V. Yanitskaya