

**Thematic plan of seminars  
in the discipline "Pharmaceutical logistics"  
for students of the educational program  
specialist in the specialty 33.05.01 Pharmacy,  
direction (profile) Pharmacy,  
full-time of study  
for the 2023-2024 academic year**

№	Thematic blocks	Hours (academic)
<b>Module 1. Logistics. The main categories. Logistics management of material flows</b>		
1.	Basic concepts of pharmaceutical logistics. <sup>1</sup> Purpose, objects, directions of logistics development. The main provisions of the logistics concept. <sup>2</sup>	2
	Features of the logistics process. <sup>1</sup> The role of logistics in the economy. <sup>2</sup>	1
2.	The main logistics flows. <sup>1</sup> Functional areas of logistics. <sup>2</sup>	2
	Logistics systems. <sup>1</sup> The role of the logistics operator. <sup>2</sup>	1
3.	Factors and trends in the development of logistics. <sup>1</sup> Paradigms of logistics development and their content, stages of logistics development. <sup>2</sup>	2
	Strategy and planning in logistics systems. <sup>1</sup> Types of logistics strategies, planning features. Logistics controlling. <sup>2</sup>	1
4.	Methods of analysis in logistics. <sup>1</sup> Objective of the task, stages of logistic analysis.	2
	Methods and algorithms of logistics. <sup>1</sup> Modeling of processes in the logistics system. <sup>2</sup>	1
5.	Logistics audit. <sup>1</sup> The concept, types and procedure of logistics audit. <sup>2</sup>	2
	Logistics outsourcing. <sup>1</sup> The essence, advantages and disadvantages of outsourcing. <sup>2</sup>	1
6.	Logistics process as an object of management. <sup>1</sup> The structure of the logistics chain. The process of business logistics. <sup>2</sup>	2
	Logistics management. <sup>1</sup> Purpose, mission, object, tasks, functions of logistics management. Logistics management in the management system. <sup>2</sup>	1
7.	Logistics costs. <sup>1</sup> conception, classification and organization of accounting. <sup>2</sup>	2
	Supply chain management. <sup>1</sup> Tasks, supply chain monitoring. <sup>2</sup>	1
8.	Control of knowledge, skills, skills in thematic blocks 1-7 (part 1)	2
	Control of knowledge, skills, skills in thematic blocks 1-7 (part 2)	1
<b>Module 2. Interaction of participants in logistics chains. Risk management</b>		
9.	Logistics of supply. <sup>1</sup> Concept, functions, tasks of logistics of supply. <sup>2</sup>	1
	Specifics of procurement logistics in wholesale and retail trade. <sup>1</sup>	2
10.	Production logistics. <sup>1</sup> The concept of production logistics, types of production. <sup>2</sup>	1
	Concepts of production organization. <sup>1</sup>	2
11.	Sales logistics. <sup>1</sup> Essence, tasks of sales logistics. Logistics channels. <sup>2</sup>	1
	Logistics of refunds. <sup>1</sup>	2
12.	Inventory logistics. <sup>1</sup> Types of inventories and their standard. Inventory management systems. <sup>2</sup>	1
	Methods of inventory management <sup>1</sup> Basic and additional methods of inventory management <sup>2</sup>	2
13.	Information logistics. <sup>1</sup> Types of information technologies in logistics. <sup>2</sup>	1

	Ways to automate logistics process management. <sup>1</sup>	2
14.	Transport logistics. <sup>1</sup> The essence, the role of transport logistics, types of transport. <sup>2</sup>	1
	Preparation of traffic routes. <sup>1</sup>	2
15.	Warehouse logistics. <sup>1</sup> Goal, warehouse logistics strategy. <sup>2</sup>	1
	Indicators and methods of evaluation of warehouse logistics. <sup>1</sup>	2
16.	Pharmaceutical logistics of a pharmacy warehouse taking into account modern requirements. <sup>1</sup> Review of regulatory documents. Organization of warehouse work: design of warehouse areas, equipment and inventory. <sup>2</sup>	1
	Optimization of pharmacy warehouse logistics. <sup>1</sup> Risk assessment and management. <sup>2</sup>	2
17.	Control of knowledge, skills, skills in thematic blocks 9-16 (part 1)	1
	Control of knowledge, skills, skills in thematic blocks 9-16 (part 2)	2
18.	Protection of the abstract (part 1)	1
	Protection of the abstract (part 2)	2
	Interim certification	2
	<b>Total</b>	<b>56</b>

<sup>1</sup>-Subject

<sup>2</sup> - essential content

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Head of the Department,

Doctor of Pharmacy

L.M. Ganicheva