

Summary of the working program of the academic discipline

«PHARMACEUTICAL LOGISTICS»

General Educational Program of higher education (specialist's degree programs): 33.05.01
Pharmacy

Department: *Management and Economics of Pharmacy and Pharmaceutical Technology*

1. The purpose of mastering the discipline – participation in forming the following competencies:

- universal competencies (UC-9 (9.1-9.2));
- professional competencies (PC-5 (5.1-5.3)).

2. Position of the academic discipline in the structure of the General Educational Program (GEP)

2.1. The discipline refers to the part formed by the participants of educational relations of Block 1 of GEP HE (B1.PER.E.3).

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) and professional (PC) competencies:

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	UC-9	Able to make informed economic decisions in various areas of life	UC-9.1. Knows the main points and methods of economic science and management, their legal reflection and provision in the Russian legislation; the current state of the world economy and the peculiarities of the functioning of Russian markets; the role of the state in coordinating long-term and short-term economic interests of societies. UC-9.2. Uses economic knowledge to understand the driving forces and patterns of the historical process, to analyze socially significant problems and solve social and professional tasks.	<ul style="list-style-type: none"> – basic concepts of logistics, principles, functions and methods of logistics management – features of organization and management of logistics systems of various types – the main provisions of modern concepts of pharmaceutical logistics – modern approaches to the management of material flows – commodity distribution system in the pharmaceutical market – supply chain of pharmaceutical 	<ul style="list-style-type: none"> – apply theoretical knowledge in practice in the field of improving the efficiency of logistics systems – analyze the problems of material flow management at pharmaceutical enterprises and find possible solutions to them in relation to a specific situation – analyze the factors affecting the work of an economic entity and determine the prospects for development – carry out the selection of premises for 	<ul style="list-style-type: none"> – skills in identifying problems in the field of organization and management of material flows of pharmaceutical organizations – skills in the formation of a reliable supply chain, identifying ways to improve the efficiency of the functioning of pharmaceutical micrologistic systems – the ability to determine the strategy and tactics of the development of a pharmaceutical organization, taking into account the influence of

				organizations	operation and their equipment, taking into account the type, volume of pharmaceutical activity and hygienic standards; supply pharmaceutical organizations with medicines allowed for release from pharmacy organizations; – use the methods and principles of logistics in the promotion of goods in the pharmaceutical market	external factors – methods of forming logistics channels, managing channels of commodity distribution, for supplying medical and pharmaceutical organizations with medicines, medical devices and other goods allowed for release from pharmacy organizations
2.	PC-5	Able to take part in planning and organizing the resource provision of a pharmaceutical organization	PC-5.1. Determines the economic indicators of inventories of medicines and other pharmacy products PC-5.2. Selects optimal suppliers and organizes purchasing processes based on the results of market research of suppliers of medicines for medical use and other pharmacy products PC-5.3. Controls the execution of contracts for the supply of medicines for medical use and other goods of pharmacy assortment	– basic concepts of logistics, principles, functions and methods of logistics management – features of organization and management of logistics systems of various types – the main provisions of modern concepts of pharmaceutical logistics – modern approaches to the management of material flows – commodity distribution system in the pharmaceutical market – supply chain of pharmaceutical organizations	– apply theoretical knowledge in practice in the field of improving the efficiency of logistics systems – analyze the problems of material flow management at pharmaceutical enterprises and find possible solutions to them in relation to a specific situation – analyze the factors affecting the work of an economic entity and determine the prospects for development – carry out the selection of premises for operation and their equipment, taking into account the type, volume of	– skills in identifying problems in the field of organization and management of material flows of pharmaceutical organizations – skills in the formation of a reliable supply chain, identifying ways to improve the efficiency of the functioning of pharmaceutical micrologistic systems – the ability to determine the strategy and tactics of the development of a pharmaceutical organization, taking into account the influence of external factors – methods of forming logistics channels,

					pharmaceutical activity and hygienic standards; supply pharmaceutical organizations with medicines allowed for release from pharmacy organizations; – use the methods and principles of logistics in the promotion of goods in the pharmaceutical market	managing channels of commodity distribution, for supplying medical and pharmaceutical organizations with medicines, medical devices and other goods allowed for release from pharmacy organizations
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4. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	
Classroom work, including			8
Lectures (L)	0,61	22	22
Lectures (L)	0,17	6	6
Laboratory practicum (LP)*	Laboratory practicums are not stipulated		
Practicals (P)	0,5	18	18
Seminars (S)	Seminars are not stipulated		
Student's individual work (SIW)	0,33	12	12
Mid-term assessment			
credit/exam (<i>specify the type</i>)			credit
TOTAL LABOR INTENSITY	1	36	1

5. Sections of the academic discipline and competencies that are formed when mastering them

№	Competence code	Section name of the discipline	The content of the section in teaching units
1	UC-9 PC-5	Pharmaceutical Logistics	Theoretical foundations of logistics. Evolution of logistics and the relevance of logistics management in the modern economy. Basic concepts of logistics. Business logistics. Pharmaceutical logistics. Objects of logistics management: material, information, financial, service and other flows. Logistics system, link of logistics system, logistics channel, logistics chain, logistics network. Properties of logistic systems. Logistics rule "7R". Procurement logistics. Transport logistics. Warehousing logistics. Production logistics. Inventory logistics. Distribution (sales) logistics. Development of a logistics strategy.