#### «MANAGEMENT AND ECONOMICS OF PHARMACY»

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-2, UC-9);

- general professional competencies (GPC-3 (3.1-3.2), GPC-6 (6.1, 6.2, 6.4);

- professional competencies (PC-2 (2.1-2.6), PC-4 (4.4), PC-5 (5.1-5.7), PC-8 (8.1-8.5), PC-9 (9.1-9.3), PC-10 (10.1-10.2)).

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

**2.1.** The discipline refers to the core part of Block 1 of GEP HE (B1.C.34).

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

Mastering the discipline aims at acquiring the following universal (UC), general professional (GPC) and professional (PC) competencies

	Compe-	The content	Code and name of the	As a result of mas	tering the discipline, th	ne students should:
№	tence code	of the competence (or its part)	competence acquisition metric	know	be able to	possess
1.	UC-2	Able to manage the project at all stages of its life cycle	UC-2.1. Formulates a project task on the basis of the set problems and a method of its solutions through the implementation of the project management UC-2.2. Develops a project concept within the framework of the designated problem: formulates the purpose, tasks, justifies the relevance, significance, expected results and possible areas of their application UC-2.3. Plans necessary resources, including taking into account their replaceability UC-2.4. Develops a project implementation plan using planning tools UC-2.5. Monitors the progress of the project, corrects deviations,	<ul> <li>theoretical foundations and basic concepts and definitions in the field of project management;</li> <li>basic legislative and regulatory documents, basic ethical constraints accepted in society, basic concepts, methods of developing and justifying task solutions within the framework of the set goal, based on the current legal regulations, available resources and limitations, methods of selecting the optimal task solution;</li> <li>the most important principles, functions and</li> </ul>	<ul> <li>formulate project goals, formulate requirements for the project;</li> <li>define the expected results of the tasks and develop different types of plans to implement projects taking into account the current legal norms, available resources and limitations, to search for the best ways to solve the tasks, taking into account the current legal norms, available resources and limitations;</li> <li>participate in the exchange of information, knowledge and experience in the interests of the team task, presenting</li> </ul>	<ul> <li>the skills of designing the solution of the problem, choosing the best way to solve it, assessing the likely risks and limitations in the choice of solutions to the problems set;</li> <li>special terminology in the field of project management;</li> <li>skills of applying different tools in project activities.</li> </ul>

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			makes additional changes to the project	methods of project management;	professional tasks;	
			implementation plan,	– methods of	<ul> <li>organize and supervise the</li> </ul>	
			clarifies zones of	achieving the set	implementation of	
			responsibilities of	goal, including the	the project.	
			project participants	use of service	the project.	
			project participants	capabilities of the		
				relevant		
2.	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. UC-9.3. Finds effective organizational and	information (legal reference) systems. - legal, legislative and administrative procedures and policies relating to all aspects of pharmaceuticals - understanding of the use value and consumer properties of drugs and other pharmaceutical products and the factors that affect them - record keeping by pharmaceutical wholesalers and retailers - basic principles of state regulation and the process of pricing of pharmaceutical products at all stages of the movement of goods - methods of determining the	<ul> <li>make reasonable</li> <li>economic decisions</li> <li>when carrying out</li> <li>activities in the</li> <li>field of circulation</li> <li>of medicines;</li> <li>determine the</li> <li>demand and need</li> <li>for various groups</li> <li>of pharmaceutical</li> <li>products</li> <li>create prices for</li> <li>the goods of</li> <li>pharmaceutical</li> <li>assortment at all</li> <li>stages of</li> <li>commodity</li> <li>circulation,</li> <li>including intra-</li> <li>pharmacy</li> <li>manufacturing</li> <li>to analyze the</li> <li>financial and</li> <li>economic situation</li> <li>of the pharmacy</li> <li>and develop</li> <li>measures to</li> <li>improve the</li> <li>efficiency of</li> </ul>	<ul> <li>methods of financial and economic analysis, analysis of the main indicators of pharmacy activities</li> <li>skills in analyzing the state of property and liabilities of a pharmacy</li> <li>skills in assessing the degree of entrepreneurial risk</li> <li>skills to make sound economic decisions in carrying out activities in the field of circulation of medicines;</li> <li>methods of studying demand, forming an assortment and forecasting requirements for drugs and other</li> </ul>
			managerial solutions, independently masters applied economic knowledge, necessary for work in the professional field.	determining the needs and demand for various groups of drugs and other pharmaceutical products – basic accounting principles of inventory, cash and settlements – taxation systems of pharmaceutical companies – methods of financial analysis of the main indicators of pharmaceutical organizations activities – principles of audit and management of business processes	efficiency of pharmaceutical organizations – to forecast the economic performance of pharmaceutical organizations and their structural subdivisions	drugs and other pharmaceutical products – how to form prices for medicines and other pharmaceutical products

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				in pharmaceutical		
				organizations		
				<ul> <li>principles of</li> </ul>		
				developing a		
				business plan for		
				pharmaceutical		
				organizations		
3.	GPC-3	Able to carry	GPC-3.1. Complies	– the structure of	– to perform the	<ul> <li>regulatory and</li> </ul>
		out	with norms and rules	the modern health	types of work or	legal
		professional	established by the	care system of the	services	documentation
		activities	authorized state	Russian Federation,	constituting	regulating the
		taking into	authorities when	- the basics of the	pharmaceutical	procedure for
		account	solving the tasks of	legislation of the	activities and	pharmaceutical
		specific .	professional activity in	Russian Federation	activities in the	activities and
		economic,	the field of medicine	on the protection of	field of drug	activities in the
		environmenta	circulation	citizens' health,	circulation in	field of drug
		l, social	GPC-3.2. Takes into	<ul> <li>basic regulatory</li> </ul>	compliance with	circulation
		factors within	account economic and	and legal	the requirements of	
		the	social factors	documents	the legislation of	
		framework of	influencing the	governing relations	the Russian	
		the system of	financial and economic	in the field of	Federation in the	
		regulations of	activities of	circulation of	field of health	
		the medicine	pharmaceutical	medicines	protection	
		circulation	organizations when	– the state		
		sphere	making management	guarantees the		
			decisions	availability of		
				medicines, the		
				basics of the		
				organization of		
				drug supply for		
				outpatients and		
				inpatients drugs at		
				full cost, as well as		
				citizens eligible for		
				social assistance		
				– the procedure		
				and requirements		
				for the		
				implementation of		
				pharmaceutical		
				activities		
				<ul> <li>legal norms</li> </ul>		
				relating to state control and		
				supervision, as well		
				as liability for		
				offenses in the field		
				of pharmaceutical		
				activities		
				– the norms of		
				legislation relating		
				to state regulation		
				of labor relations		
				between		
				pharmaceutical		
				professionals and		
				organizations		
4.	GPC-6	Able to	GPC-6.1. Applies	- modern	– apply modern	– skills in applying
		understand	modern information	information	information	modern
		the principles	technologies in the	technologies in	technologies for	information
		of modern	interaction with parties	interaction with the	solving	technologies to
		information	to the circulation of	subjects of drug	professional tasks	solve professional
L	l			- acjeetto or arug	r crossional tubito	- sive professional

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		technologies and use them	medicinal products	circulation, taking into account	- search for	problems – skills in
		to solve the	taking into account the requirements of	information	information,	
		to solve the	-		necessary for	searching for
			information security GPC-6.2. Performs an	security	solving problems	information,
		professional		requirements	of professional	necessary for
		activity	effective search for		activity, using legal	solving problems
			information necessary		reference systems	of professional
			to solve the tasks of		and professional	activity, using legal
			professional activity		pharmaceutical	reference systems
			using legal reference		databases	and professional
			systems and		<ul> <li>use automated</li> </ul>	pharmaceutical
			professional		information	databases
			pharmaceutical		systems in the	<ul> <li>skills in using</li> </ul>
			databases		internal processes	automated
			GPC-6.4. Applies		of a pharmaceutical	information
			automated information		organization, as	systems in internal
			systems in the internal		well as for	processes of
			processes of the		interaction with	pharmaceutical
			pharmaceutical		customers and	organization and
			organization, as well as		suppliers	for interaction with
			for interactions with			clients and
			customers and			suppliers
F	DC 2	A h la ( 1	suppliers	1 6		
5.	PC-2	Able to solve	PC-2.1. Conducts	- rules of	- carry out	- methods,
		the tasks of	pharmaceutical	pharmaceutical	pharmaceutical	techniques of
		professional	examination of	expertise of	expertise of	organizing work in
		activity in the	prescriptions and	prescriptions and	prescriptions and	the main links of
		implementati on of the	requisition notes, as	claims of medical	requirements of	the distribution
		release and	well as their	and other	medical and other	system of the
		sale of	registration and rating in accordance with the	organizations	organizations	pharmaceutical
		medicines		– procedure for	– sell	market, the
		and other	established procedure PC-2.2. Sells and	dispensing	pharmaceuticals	organization of
		products of	releases medicines for	pharmaceuticals	and other	pharmaceutical activities
		the pharmacy	medical use and other	and other pharmaceutical	pharmaceutical	
		range through	pharmacy assortment	products from the	products	<ul> <li>normative-legal documentation</li> </ul>
		pharmaceutic	products to individuals,	1	– prepare	
		al and	as well as releases	pharmacy to the public, medical and	organizational and	regulating the procedure of work
		medical	them to divisions of	-	administrative	of the pharmacy
		organizations,	medical organizations,	other organizations – maintenance of	documentation in	organization for
		incl. with the	monitoring compliance		accordance with	e
		use of	with the procedure for	accounting records	state standards	receipt of prescriptions and
		modern	the release of	by pharmaceutical	- choose	requirements of
		technical	medicines for medical	enterprises of wholesale and	accounting	medical and other
		means and	use and other pharmacy	retail levels	methods and	organizations
		digital	assortment products	– methods of	prepare documents	– regulatory and
		technologies	PC-2.3. Performs	– methods of preparing reports	on accounting	legal
			office work on the	for internal and	policies	documentation
			management of cash,	external users of	- draw up standard	governing the work
			organizational and	accounting	documentation for	of pharmacy
			administrative,	information	manufacturing,	organizations on
			accounting documents	– basics of record	storage, registration	release of drugs
			for retail sales		and delivery of medicines and	and other
			PC-2.4. Performs	keeping in pharmaceutical	other	pharmaceutical
			office work on the	organizations	pharmaceutical	products to the
			management of		products from	public, medical and
			organizational and	- techniques for	pharmacy	other organizations
			administrative,	generating external	organizations	- regulatory,
			payment accounting	(accounting, statistical, tax)	– use	reference and
			documents for retail		– use merchandising	scientific literature
			sales	reporting for pharmaceutical		for solving
			PC-2.5. Carries out	1	principles and methods of sales	professional
			pre-sale preparation,	organizations	memous of sales	Protossional
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			organizes and carries out the display of	<ul> <li>the procedure for pre-sale</li> </ul>	promotion of pharmacy goods	problems – skills of
			medicines and	pre-sale preparation,	– use in practice	– skills of pharmaceutical
			pharmacy assortment	organization and	the methods and	expertise of
			goods in the sales hall	lay-out of	techniques of	prescriptions and
			and (or) showcases of	medicines and	marketing analysis	claims of medical
			departments of the	pharmacy goods in	in the system of	and other
			pharmacy organization	the sales area	drug supply to the	organizations,
			PC-2.6. Uses modern	and/or in the shop	population, medical	dispensing drugs
			technical means and	windows of the	and other	and other
			digital technologies to	pharmacy	organizations	pharmaceutical
			solve the tasks of	departments	– provide the	goods on
			professional activity in	– basics of	population entitled	prescriptions and
			the implementation of	organizing	to state social	claims
			the release and sale of	pharmaceutical	assistance	- skills in
			medicines and other	care (outpatient and	– use modern	preparing reports
			products of the	inpatient) to	technical means	for internal and
			pharmacy assortment	different groups of	and digital	external users of
			through pharmaceutical	population	technologies, used	accounting
			and medical	– basics of drug	in professional	information
			organizations	supply organization	activities by	<ul> <li>skills in</li> </ul>
				for outpatients and	pharmaceutical	administrative
				inpatients with	professionals at all	record keeping
				medicines and	stages of	- the skills of using
				other	circulation of	modern technical
				pharmaceutical	medicines	means and digital
				products at full		technologies, used
				cost, as well as for		in professional
				citizens eligible for		practice by
				social assistance		pharmaceutical
				– basics of		specialists at all
				organizing the		stages of
				procurement of		circulation of
				medical equipment		medicines
				for state and municipal needs		
				– modern technical		
				means and digital		
				technologies used		
				in professional		
				activities by		
				pharmaceutical		
				specialists at all		
				stages of drug		
				circulation		
6.	PC-4	Able to	PC-4.4. Informs in	<ul> <li>legislative basis</li> </ul>	– determine	– skills in
		participate in	accordance with the	for the procedure	whether a	determining
		monitoring	procedure established	for determining the	medicinal product	whether a
		the quality,	by law about the non-	non-compliance of	for medical use	medicinal product
		effectiveness	compliance of the	a medicinal product	does not comply	for medical use
		and safety of	medicinal product for	for medical use	with established	does not meet
		medicines	medical use with the	with the established	requirements or	established
		and medicinal	established	requirements or	whether the data on	requirements, or
		plant raw	requirements or about	non-compliance of	the efficacy and	whether the data on
		materials	the non-compliance of	the data on the	safety of a	the efficacy and
			the data on the	effectiveness and	medicinal product	safety of a
			effectiveness and	safety of a	do not comply with	medicinal product
			safety of the medicinal	medicinal product	the data on the	do not match the
			product with the data on the medicinal	with the data on the	medicinal product	data on the
			product contained in	medicinal product contained in the	contained in the instructions for its	medicinal product contained in the
			the instructions for its	instructions for its		instructions for its
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7. F	PC-5	Able to take part in planning and organizing the resource provision of a pharmaceutic al 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 PC-5.4. Conducts acceptance control of incoming medicines and other pharmacy products, checking and issuing accompanying documents in accordance with the established procedure PC-5.5. Carries out the withdrawal from circulation of medicines and pharmacy assortment goods that have fallen into disrepair, expired, falsified, counterfeit and substandard products PC-5.6. Performs strict record keeping and storage of medicines in accordance with the established procedure PC-5.7. Organizes control over the availability and storage conditions of medicines for medical use and other products of the pharmacy assortment	<ul> <li>– peculiarities of the pharmacist's</li> <li>work in concluding contracts with enterprises, institutions in accordance with the law</li> <li>– notion of consumer value, consumer</li> <li>properties of drugs and other</li> <li>pharmaceutical goods and the factors affecting them</li> <li>– methods of drug and other</li> <li>pharmaceutical goods assortment analysis</li> <li>– requirements for</li> <li>labeling, packaging and storage of drugs and other</li> <li>pharmaceutical products</li> <li>– basics of team management</li> <li>– work</li> <li>organization of average</li> <li>pharmaceutical and auxiliary personnel</li> <li>in pharmaceutical goods on all stages</li> <li>of state regulation and pricing process</li> <li>of pharmaceutical goods on all stages</li> <li>of the movement of goods</li> <li>– methods of</li> <li>determining the needs and demand</li> <li>for different groups</li> <li>of drugs and other</li> <li>pharmaceutical products</li> <li>– technology for</li> <li>storing drugs and other</li> <li>pharmaceutical</li> <li>products</li> <li>– technology for</li> <li>storing drugs and other</li> <li>pharmaceutical</li> <li>products</li> <li>– technology for</li> <li>storing drugs and other</li> <li>pharmaceutical</li> <li>products</li> <li>– technology for</li> <li>storing drugs and</li> <li>other</li> <li>pharmaceutical</li> <li>products</li> <li>– technology for</li> <li>storing drugs and</li> <li>other</li> <li>pharmaceutical</li> <li>products</li> <li>– organization of</li> <li>manufacturing of</li> <li>extemporaneous</li> <li>dosage forms on</li> </ul>	<ul> <li>determine the demand and need for various groups</li> <li>of pharmaceutical products</li> <li>analyze the state</li> <li>of inventory and</li> <li>identify sources of financing</li> <li>select a supplier,</li> <li>conclude supply</li> <li>contracts and</li> <li>prepare</li> <li>documentation in</li> <li>claim form</li> <li>place purchase</li> <li>orders</li> <li>establish prices</li> <li>for pharmaceutical</li> <li>products at all</li> <li>stages of the</li> <li>commodity</li> <li>circulation,</li> <li>including intra-</li> <li>pharmacy</li> <li>manufacturing</li> <li>provide the</li> <li>necessary</li> <li>conditions for</li> <li>storage of drugs</li> <li>and other</li> <li>pharmaceutical</li> <li>products during</li> <li>transportation and</li> <li>in the institutions</li> <li>of the distribution</li> <li>network</li> <li>account for cash</li> <li>flow in the cash</li> <li>register of the</li> <li>pharmacy and on</li> <li>the current account</li> <li>take inventory of</li> <li>inventory, cash and</li> <li>settlements</li> <li>to conduct</li> <li>accounting of</li> <li>business</li> <li>transactions</li> <li>to analyze the</li> <li>financial and</li> <li>economic situation</li> <li>of the pharmacy</li> <li>and develop</li> <li>measures to</li> <li>improve the</li> <li>efficiency of</li> <li>pharmaceutical</li> <li>organizations</li> <li>to forecast the</li> </ul>	<ul> <li>– methods of financial and economic analysis, analysis of the main indicators of pharmacy activities</li> <li>– skills in analyzing the state of property and liabilities of a pharmacy</li> <li>– skills of assessing the degree of entrepreneurial risk</li> <li>– skills of segmentation of the pharmaceutical market and selecting target segments</li> <li>– methods of studying demand, forming an assortment and for drugs and other pharmaceutical goods</li> <li>– how to formulate prices for drugs and other pharmaceutical goods</li> <li>– how to formulate prices for drugs and other</li> <li>pharmaceutical organizations, compliance with labor safety rules and safety and labor legislation, ensuring safe</li> <li>working conditions for staff</li> <li>– skills in developing accounting of inventories: cash and settlements</li> </ul>

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				requirements of	performance of	
				medical and other	pharmaceutical	
				organizations	organizations and	
				- basic accounting	their subdivisions	
				principles of	-	
				inventory, cash and	<ul> <li>to carry out</li> </ul>	
				settlements	certification of	
				<ul> <li>principles and</li> </ul>	workplaces,	
				rules for	instructions on	
				settlements with	health and safety of	
				personnel	pharmaceutical	
				-	workers and	
				– basic forms of		
				cashless payments	auxiliary personnel,	
				for goods and	measures to	
				services	prevent	
				<ul> <li>taxation system</li> </ul>	environmental	
				in pharmaceutical	violations and	
1				companies	violations of health	
1				– methods of	and safety	
				financial analysis	- determine the	
1				of the main	cost of finished	
1				indicators of	drugs and	
1				pharmaceutical	pharmaceutical	
				organizations	forms of	
1				activities	extemporaneous	
					manufacturing	
1				<ul> <li>principles of</li> </ul>	– record	
1				audit and		
				management of	prescriptions in the	
				business processes	relevant	
				in pharmaceutical	documentation	
				organizations	<ul> <li>perform quantity</li> </ul>	
				<ul> <li>principles of</li> </ul>	and object	
				developing a	accounting of drugs	
				business plan for	and other	
				pharmaceutical	pharmaceutical	
				organizations	products in	
				– methods of	pharmaceutical	
				recruitment,	institutions	
				placement and	– to manage the	
				+	staff of	
				accounting of		
1				personnel	pharmaceutical	
1				movement	organizations, to	
1					implement an	
1					effective personnel	
					policy with the use	
					of motivational	
					guidelines	
					<ul> <li>to manage the</li> </ul>	
1					social and	
1					psychological	
1					processes, prevent	
1					conflict situations	
1					in the team and in	
1					interaction with	
1					consumers of	
1						
1					pharmaceutical	
-	DC 0	A 1-1 1			goods and services	1.11 1 1
8.	PC-8	Able to solve	PC-8.1. Participates in	– the legislative	– select the best	– skills in selecting
		the tasks of	the selection of optimal	basis for the	suppliers and	the best suppliers
1		professional	suppliers and	selection of optimal	procurement	and procurement
1		activity	purchasing processes,	suppliers and	processes taking	processes taking
		within the	taking into account	procurement	into account the	into account the

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		framework of	previously conducted market research of	processes, taking	previously conducted studies	previously conducted market
		pharmaceutic al activity in	market research of medicines for	into account the previously	of the veterinary	research of
		the field of	veterinary	conducted studies	drugs market	medicines for
		circulation of	applications	of the market of	- sale and	veterinary use
		medicines for	PC-8.2. Sells and	drugs for veterinary	dispensing of	<ul> <li>– skills in selling</li> </ul>
		veterinary use	releases medicinal	use	veterinary drugs to	and dispensing
		veterinary ase	products for veterinary	– the legislative	individuals and	veterinary drugs to
			use to individuals, as	basis for the sale	veterinary clinics	individuals and
			well as veterinary	and dispensing of	by following the	veterinary clinics
			clinics following the	veterinary drugs to	proper dispensing	by following the
			appropriate procedure	individuals and	procedure	proper dispensing
			for release	veterinary clinics	– preparing for the	procedure
			PC-8.3. Carries out	by following the	sale of veterinary	– the skills of
			preparation for the sale	proper dispensing	drugs by laying	preparing
			of veterinary	procedure	them out in the	veterinary drugs for
			medicines, carrying out	<ul> <li>the legislative</li> </ul>	sales area and in	sale by laying them
			their display in the	basis for the	showcases of	out in the sales area
			sales hall and	preparation for the	veterinary	and in showcases
			showcases of	sale of veterinary	drugstores and	of veterinary
			veterinary pharmacies	drugs, carrying out	veterinary	drugstores and
			and veterinary	their deposition in	departments	veterinary
			departments	the sales area and	– informing	departments
			PC-8.4. Informs individuals and	in showcases of	individuals and	– the skills of
				veterinary	veterinary staff	informing
			employees of the veterinary service	pharmacies and	about veterinary	individuals and
			about veterinary	veterinary departments	medicines: their	veterinary staff
			medicines: their	<u> </u>	rational use, possible side	about veterinary medicines: their
			rational use, possible	<ul> <li>the legislative</li> <li>basis for informing</li> </ul>	effects, providing	rational use,
			side effects, providing	individuals and	the necessary	possible side
			at the same time, the	veterinary staff	advice	effects and
			necessary consulting	about drugs for	– exercise the	providing
			assistance	veterinary use:	necessary	necessary advice
			PC-8.5. Performs the	their rational use,	intrapharmacy	– the skills of
			necessary	possible side	control of the	carrying out the
			intrapharmacy control	effects, providing	conditions and	necessary intra-
			of the conditions and	the necessary	terms of storage of	pharmacy control
			terms of storage of	advice	veterinary drugs	of the conditions
			medicines for	<ul> <li>the legislative</li> </ul>		and terms of
			veterinary use	basis for the		storage of
				necessary intra-		veterinary
				pharmacy control		medicines
				of the conditions		
				and terms of		
				storage of		
				medicines for		
0	PC-9	Able to galars	PC-9.1. Sells and	veterinary use	hadias of	
9.	ru-9	Able to solve tasks of	PC-9.1. Sells and releases medicines for	- basics of	- basics of	– methods,
		professional	medical use through	organizing pharmaceutical	organizing pharmaceutical	techniques of organizing work in
		activities in	pharmaceutical and	care (outpatient and	care (outpatient and	the main links of
		the transfer of	medical organizations	inpatient) to	inpatient) to	the pharmaceutical
		medicines	following the required	different groups of	different groups of	market distribution
				• •		
			and transfer			
		al and	PC-9.2. Performs			
		medical	pharmaceutical			activities
			information and			
			consulting during the			
			sale, release and	medicines and	medicines and	
1			transfer of medicines	other	other	prescriptions and
		through pharmaceutic al and	procedure of release and transfer PC-9.2. Performs pharmaceutical information and consulting during the sale, release and	population – basics of the organization of drug supply for outpatients and inpatients with medicines and	population – basics of the organization of drug supply for outpatients and inpatients with medicines and	system, organization of pharmaceutical activities – skills of pharmaceutical expertise of

		Γ		1		
			for medical use PC-9.3. Conducts	pharmaceutical	pharmaceutical	requirements of medical and other
			pharmaceutical	products at full cost, as well as	products at full cost, as well as	organizations,
			examination of	citizens who are	citizens who are	dispensing
			documents, as well as	eligible for social	eligible for social	medicines and
			their registration and	assistance	assistance	other
			rating in accordance	– basics of the	– basics of the	pharmaceutical
			with the established	organization of	organization of	products according
			procedure during the	procurement of	procurement of	to prescriptions and
			release, sale and	medical supplies	medical supplies	requirements
			transfer of medicines	for state and	for state and	– skills of
			for medical use through	municipal needs	municipal needs	information and
			pharmaceutical and	– rules for	– rules for	consulting
			medical organizations	pharmaceutical	pharmaceutical	assistance to
			C	reviews of	reviews of	visitors of
				prescriptions and	prescriptions and	pharmaceutical
				claims by medical	claims by medical	organization in the
				and other	and other	choice of drugs and
				organizations	organizations	other pharmacy
				<ul> <li>legislative basis</li> </ul>	<ul> <li>legislative basis</li> </ul>	assortment
				for informational	for informational	products, as well as
				and advisory	and advisory	informing medical
				assistance to	assistance to	professionals about
				pharmaceutical	pharmaceutical	drugs, their
				organization	organization	synonyms and
				visitors in the	visitors in the	analogues, possible
				choice of drugs and	choice of drugs and	side effects and
				other pharmacy	other pharmacy	interactions
				assortment	assortment	
				products, as well as	products, as well as	
				informing medical	informing medical	
				professionals about	professionals about	
				drugs, their synonyms and	drugs, their	
				analogues, possible	synonyms and analogues, possible	
				side effects and	side effects and	
				interactions	interactions	
10.	PC-10	Able to carry	PC-10.1. Supervises	– legal, legislative	- carry out the	- regulatory and
		out measures	the activities of legal	and administrative	types of work or	legal
		to control	entities and individuals	procedures and	services	documentation
		(supervise)	who have licenses for	strategies	constituting	regulating the
		the activities	pharmaceutical activity	concerning all	pharmaceutical	procedure for
		of legal	PC-10.2. Monitors the	aspects of	activities and	pharmaceutical
		entities and	procedure established	pharmaceutical	activities in the	activities and
		individuals	by law regarding the	activities	field of drug	activities in the
		licensed for	compliance of	- the structure of	circulation in	field of drug
		pharmaceutic	available medicines for	the modern health	compliance with	circulation
		al activities,	medical use,	care system of the	the requirements of	
		to comply	instructions and data on	Russian Federation,	the legislation of	
		with	its safety and	the basics of the	the Russian	
		mandatory	effectiveness	legislation of the	Federation in the	
		requirements		Russian Federation	field of health	
				on the protection of	protection	
				citizens' health, the		
				basic regulatory and legal		
				documents		
				governing relations		
				in the field of drug		
				circulation		
				<ul> <li>procedures and</li> </ul>		
				requirements for		
		1		requirements 101		

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	pharmaceutical
	activities
	– legislation norms
	relating to state
	control and
	supervision, as well
	as responsibility for
	offenses in the field
	of pharmaceutical
	activities
	– the norms of
	legislation relating
	to state regulation
	of labor relations
	between
	pharmaceutical
	professionals and
	organizations

#### 4. Volume of the academic discipline and types of academic work

<b>^</b>	Labor i	ntensity		or intens	ity (AH)	in
	volume in	volume in		seme	sters	
Type of educational work	credit	academic	5	6	7	8
	units	hours				
	(CU)	(AH)				
Classroom work, including	17	612	66	66	108	108
Lectures (L)	2,33	84	14	14	28	28
Laboratory practicum (LP)*	Lab	oratory pract	icums ar	e not stip	oulated	
Practicals (P)	7,33	264	52	52	80	80
Seminars (S)		Seminars	are not s	tipulated		
Student's individual work (SIW)	6,33	228	42	42	72	72
Mid-term assessment				credit	credit	
credit/exam (specify the type)						36
TOTAL LABOR INTENSITY	17	612	108	108	180	216

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

N⁰	Compete nce code	Section name of the discipline	The content of the section in teaching units
	UC-2	Basics of state	State regulation of pharmaceutical activities as an element of the
	GPC-3	regulation of drug	health care system in the Russian Federation
	GPC-6	circulation	System of state regulation of drug circulation
	PC-2		Basics of state regulation of drugs production
1	PC-4		Basics of state regulation of pharmaceutical activities
	PC-5		Standards of good practice in the system of pharmaceutical
	PC-8		regulation
	PC-9		
	PC-10		
	UC-2	Fundamentals of	The action of basic economic laws in the pharmaceutical market
	UC-9	Pharmaceutical	Theory of consumer behavior and pharmacy assortment products
2	GPC-3	Economics	competitiveness
	PC-5		
	PC-8		

	UC-2	Accounting and	Basic concepts of accounting theory. Classification of economic
3	UC-2 UC-9	-	
	GPC-3	planning	assets of the pharmacy organization.
		procedures in	Elements of the method of accounting. Accounting policy.
	PC-5	pharmaceutical	Accounting for fixed assets and intangible assets.
	PC-8	organizations	Accounting for inventories: materials, low-value and quickly-
			moving items, auxiliary materials, containers, medicinal plant
			raw materials, finished products and goods.
			Accounting for cash and settlements.
			Accounting for payments to personnel.
			Inventory of inventory, cash and settlements in the pharmacy.
			Accounting reports.
			Analysis of the results of financial and economic activity.
			Tax accounting in a pharmacy organization.
			Pharmaceutical organization's commodity policy.
			Pricing policy of pharmaceutical organization.
			Fundamentals of planning economic indicators. Planning of
			goods turnover.
			Planning resources of goods.
			Planning costs of circulation
			Revenue and profit planning
	UC-2	The procedure for	General principles of the organization of acceptance and storage
4	GPC-3	circulation of	of goods in a pharmaceutical organization.
	GPC-6	drugs in wholesale	General principles of the organization of acceptance and storage
	PC-2	and retail	of goods in the pharmaceutical organization.
	PC-4	pharmaceutical	Organization and implementation of pharmaceutical information
	PC-5	organizations	and counseling.
	PC-8		Organization of the production function of the pharmacy. In-
	PC-9		pharmacy quality control.
	PC-10		Sanitary and hygienic requirements in the activities of
			pharmaceutical organizations.
			Quality management system in pharmaceutical organization.
			State regulation of the circulation of controlled groups of drugs.
			State policy of the Russian Federation in the field of circulation
			of narcotic drugs and psychotropic substances.
			Features of the circulation of medical devices, dietary
			supplements and other pharmacy assortment products.
			The procedure for destroying medicines and other pharmacy
			assortment products.