

Федеральное государственное бюджетное образовательное учреждение высшего образования  
«Приволжский исследовательский медицинский университет»  
Министерства здравоохранения Российской Федерации  
г. Нижний Новгород

## УЧЕБНЫЙ ПЛАН

План одобрен ЦМС  
Протокол от 13.05.2024 г. № 3

по специальности 33.05.01 Фармация  
Направленность (профиль) Фармация



УТВЕРЖДАЮ

Ректор

Карякин Н.Н.

2024 г.

Квалификация: Провизор  
Форма обучения: очная  
Срок обучения: 5 лет

Год начала подготовки  
Федеральный государственный образовательный стандарт

2024  
219  
27.03.2018

Согласовано

Проректор по учебной работе

Богомолова Е.С.

**federal state budgetary educational institution of higher education  
Privolzhsky Research Medical University  
Ministry of Health of the Russian Federation  
Nizhny Novgorod**

## **CURRICULUM**

**APPROVED**

*Approved by the Academic Council  
Protocol no. \_\_\_\_\_ from \_\_\_\_\_ 20\_\_*

specialty 33.05.01 Pharmacy  
Direction (profile) Pharmacy

*Rector* \_\_\_\_\_ *N.N. Karyakin*  
"\_\_" \_\_\_\_\_ 20\_\_

*Qualification: Pharmacist  
Form of study: Full-time  
Duration of study: 5 years*

*Year of the training start* 2024  
*FSES HE* 219  
27.03.18

**AGREED**

Vice-Rector for Academic Affairs

\_\_\_\_\_/Bogomolova E.S./





Specialty: 33.05.01 Pharmacy (FSES 3++)

Curriculum: 33.05.01\_04\_2024

Year of admission: 2024

Index	EP structure	Department	Forms of control				Total hours						Distribution of CU in years and semesters												
			Credit	Credit with assessment	Exam	Course paper	Checking medical history	Total	Contact work	incl.			Indep. work	Control	Total	Year 1		Year 2		Year 3		Year 4		Year 5	
										among them						CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
										Lect.	Sem.	Pract.													
			CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU									
	<b>Total for the EP HE (without optionals)</b>		<b>48</b>		<b>25</b>	<b>7</b>		<b>10800</b>	<b>6774</b>	<b>1156</b>	<b>332</b>	<b>5286</b>	<b>3342</b>	<b>684</b>	<b>300</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>32</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>34</b>	<b>26</b>
B1	Disciplines (modules)		44		19	7		9144	5226	1156	332	3738	3234	684	254	30	29	27	32	30	27	28	30	21	
B1.O	Mandatory part of Block 1		25		19	5		7740	4362	976	280	3106	2694	684	215	26	23	25	28	27	22	27	26	11	
B1.O.1	Philosophy	HumSciences	4					144	86	18	68	0	58	0	4			2	2						
B1.O.2	Law	PubHealth	5					72	44	10	34	0	28	0	2					2					
B1.O.3	Bioethics	Psychiatry	5					72	44	10	34	0	28	0	2					2					
B1.O.4	History of Russia	HumSciences	2					144	118	26	92	0	26	0	4	2	2								
B1.O.5	Economic Theory	PubHealth	1					108	66	14	52	0	42	0	3	3									
B1.O.6	Foreign language (Russian)	ForeignLang.	2					252	252	0	0	252	0	0	7	1	2	2	2						
B1.O.7	Information technology in pharmacy	anagPharm&PharmTech	5					36	20	6	0	14	16	0	1					1					
B1.O.8	Information Support of the Life Cycle of Medicines	anagPharm&PharmTech	3		4			180	88	20	0	68	56	36	5			2	3						
B1.O.9	Mathematics	MedBiophysics	1					72	44	10	0	34	28	0	2	2									
B1.O.10	Physics	MedBiophysics	2					108	66	14	0	52	42	0	3		3								
B1.O.11	Informatics	IT	3					108	66	14	0	52	42	0	3		2	1							
B1.O.12	General and Inorganic Chemistry	GenChemistry			1			216	108	24	0	84	72	36	6	6									
B1.O.13	First aid	End&ID	3					72	44	10	0	34	28	0	2			2							
B1.O.14	Physical and Colloidal Chemistry	GenChemistry			3			216	110	28	0	82	70	36	6		3	3							
B1.O.15	Analytical Chemistry	GenChemistry			4			396	216	48	0	168	144	36	11			5	6						
B1.O.16	Emergency Care	ARes.&T	9					72	44	10	0	34	28	0	2								2		
B1.O.17	Organic Chemistry	GenChemistry			4			396	202	60	0	142	158	36	11			5	6						
B1.O.18	Botany	Biology			2			252	130	28	0	102	86	36	7	3	4								
B1.O.19	Biology	Biology	1					108	66	14	0	52	42	0	3	3									
B1.O.20	Physiology with the Basics of Anatomy	NormPhysiology			2			216	110	24	0	86	70	36	6	3	3								
B1.O.21	Microbiology	EpidM&EM			3			216	110	32	0	78	70	36	6		3	3							
B1.O.22	Pathology	PathPhysiol.			5			216	110	34	0	76	70	36	6				2	4					
B1.O.23	Biological Chemistry	Biochemistry			5			252	130	38	0	92	86	36	7			4	3						
B1.O.24	Pharmacology	G&CPharm			7			324	174	40	0	134	114	36	9					3	3	3			
B1.O.25	Life safety Emergency Medicine	MedDisasters			6			144	64	14	0	50	44	36	4						4				
B1.O.26	Special Anatomy of Systems and Organs	NormAnatomy	4					108	66	14	0	52	42	0	3			3							
B1.O.27	General Pharmaceutical Technology	ManagPhar&PharTechn.			7	7		288	142	34	0	108	110	36	8						4	4			
B1.O.28	Biotechnology	PharChem&Pharmacog.	8					144	66	14	0	52	78	0	4								4		
B1.O.29	Pharmacognosy	PharChem&Pharmacog.			7	6		396	214	46	0	168	146	36	11					3	4	4			
B1.O.30	Pharmaceutical Chemistry	PharChem&Pharmacog.	6		8	7		648	368	82	0	286	244	36	18					4	4	5	5		
B1.O.31	Toxicological Chemistry	PharChem&Pharmacog.			8			216	108	24	0	84	72	36	6							2	4		
B1.O.32	Medical and Pharmaceutical Merchandising	ManagPhar&PharTechn.	8					180	110	30	0	80	70	0	5							2	3		
B1.O.33	Pharmacy Management and Economics	ManagPhar&PharTechn.	6,7		8	6		612	348	84	0	264	228	36	17					3	3	5	6		
B1.O.34	Physical Education and Sports	PhysCulture	2					72	44	8	0	36	28	0	2	1	1								
B1.O.35	Clinical Pharmacology with the Basics of Pharmacotherapy	G&CPharm			9	8		324	176	40	0	136	112	36	9							4	5		
B1.O.36	Pharmaceutical Ecology	Hygiene	7					72	44	10	0	34	28	0	2						2				
B1.O.37	Legal Basis of the Pharmacist's Activity	ManagPhar&PharTechn.			9			108	44	10	0	34	28	36	3									3	
B1.O.38	Pharmaceutical Consulting and Information	anagPharm&PharmTech	9					36	22	6	0	16	14	0	1									1	
B1.O.39	Basics of Military Training	MedDisasters	5					72	44	10	0	34	28	0	2					2					
B1.O.40	Foundations of Russian Statehood	HumSciences	1					72	54	18	0	36	18	0	2	2									
B1.Y00	Part formed by the participants of educational relations		19		2			1404	864	180	52	632	540	0	39	4	6	2	4	3	5	1	4	10	
B1.Y00	Mandatory part		12		2			1080	660	140	52	468	420	0	30	4	6	2		3	4	1	3	7	
B1.Y00.1	Industrial Pharmaceutical Technology	PharChem&Pharmacog.	9		9			252	152	40	0	112	100	0	7								3	4	
B1.Y00.2	Psychology and Pedagogy	Psychiatry	6					72	44	10	0	34	28	0	2							2			

B1.Y00.3	Pharmaceutical Management	ManagPhar&PharTechn	9		9	108	66	14	0	52	42	0	3										3		
B1.Y00.4	History of Pharmacy	HumSciences	2			108	66	14	52	0	42	0	3		3										
B1.Y00.5	Biophysics	MedBiophysics	1			72	44	10	0	34	28	0	2	2											
B1.Y00.6	Thermodynamics of Chemical equilibrium of Various Systems	GenChemistry	3			72	44	10	0	34	28	0	2		2										
B1.Y00.7	Latin	ForeignLang.	2			108	66	0	0	66	42	0	3	1	2										
B1.Y00.8	Modern Methods of Pharmaceutical Analysis	harmChem&Pharmacog	6			72	44	10	0	34	28	0	2							2					
B1.Y00.9	Communicative Foundations of Pharmaceutical Activity	EconM&ML	7			36	24	8	0	16	12	0	1									1			
B1.Y00.10	General Hygiene	Hygiene	5			108	66	14	0	52	42	0	3									3			
B1.Y00.11	Adaptation to Study at a Medical University	EconM&ML	1			36	22	4	0	18	14	0	1	1											
B1.Y00.12	Introduction to the Specialty	anagPharm&PharmTech	2			36	22	6	0	16	14	0	1		1										
B1.Y00.Э	Elective disciplines		7			324	204	40	0	164	120	0	9							4		1	1	3	
B1.Y00.Э.1	Elective disciplines 1																								
B1.Y00.Э.1.1	Modern Problems of Medical Chemistry	GenChemistry	4			72	44	10	0	34	28	0	2							2					
B1.Y00.Э.1.2	Chemistry of Surface Phenomena	GenChemistry	4			72	44	10	0	34	28	0	2							2					
B1.Y00.Э.1.3	Instrumental Methods in Analytical Chemistry	GenChemistry	4			72	44	10	0	34	28	0	2							2					
B1.Y00.Э.2	Elective disciplines 3																								
B1.Y00.Э.2.1	Fundamentals of Pharmacogenetics	G&CI Pharm	6			36	22	6	0	16	14	0	1									1			
B1.Y00.Э.2.2	Chronopharmacology	G&CI Pharm	6			36	22	6	0	16	14	0	1									1			
B1.Y00.Э.3	Elective disciplines 4																								
B1.Y00.Э.3.1	Pharmaceutical Marketing	ManagPhar&PharTechn	8			36	24	6	0	18	12	0	1									1			
B1.Y00.Э.3.2	Pharmaceutical Logistics	ManagPhar&PharTechn	8			36	24	6	0	18	12	0	1									1			
B1.Y00.Э.4	Elective disciplines 7																								
B1.Y00.Э.4.1	Promotion of Products on the Pharmaceutical Market	ManagPhar&PharTechn	9			36	22	6	0	16	14	0	1										1		
B1.Y00.Э.4.2	Project Management in Pharmacy	ManagPhar&PharTechn	9			36	22	6	0	16	14	0	1										1		
B1.Y00.Э.5	Elective disciplines 5																								
B1.Y00.Э.5.1	Organization of Drug Supply to the Population	ManagPhar&PharTechn	9			36	22	6	0	16	14	0	1										1		
B1.Y00.Э.5.2	Fundamentals of Business Activity in Pharmacy	ManagPhar&PharTechn	9			36	22	6	0	16	14	0	1										1		
B1.Y00.Э.6	Elective disciplines 6																								
B1.Y00.Э.6.1	State Registration and Examination of Medicines	ManagPhar&PharTechn	9			36	22	6	0	16	14	0	1										1		
B1.Y00.Э.6.2	State Control and Supervision in the Field of Circulation of Medicines	ManagPhar&PharTechn	9			36	22	6	0	16	14	0	1										1		
B1.Y00.Э.7	Elective disciplines 2																								
B1.Y00.Э.7.1	Basics of Scientific Translation in Pharmacy	ForeignLang.	4			72	48	0	0	48	24	0	2							2					
B1.Y00.Э.7.2	Basics of Translation of professional Texts in Pharmacy	ForeignLang.	4			72	48	0	0	48	24	0	2							2					
B2	Elective disciplines in physical education and sports	PhysCulture	4,6			328	328	0	0	328	0	0	9.12	1	1	2	2	1.56	1.56						
B2	Practical training, including research work		4	5		1548	1548	0	0	1548	0	0	43		1	1						3	2	13	23
B2.Y	Mandatory part		4	5		1548	1548	0	0	1548	0	0	43		1	1						3	2	13	23
B2.Y	Educational practice		4			252	252	0	0	252	0	0	7		1	1						3	2		
B2.Y.1	Pharmaceutical Propaedeutic Practice	ManagPhar&PharTechn	2			36	36	0	0	36	0	0	1		1										
B2.Y.2	Practice in Pharmacognosy	PharChem&Pharmacog.	6			108	108	0	0	108	0	0	3									3			
B2.Y.3	Practice in General Pharmaceutical Technology	ManagPhar&PharTechn	7			72	72	0	0	72	0	0	2										2		
B2.Y.4	Practice in First Aid	End&ID	3			36	36	0	0	36	0	0	1			1									
B2.П	Practice			5		1296	1296	0	0	1296	0	0	36										13	23	
B2.П.1	Practice in Quality Control of Medicines	harmChem&Pharmacog.	9			180	180	0	0	180	0	0	5										5		
B2.П.2	Practice in Industrial Pharmaceutical Technology	harmChem&Pharmacog.	10			180	180	0	0	180	0	0	5											5	
B2.П.3	Practice in Management and Economics of Pharmaceutical Organizations	anagPharm&PharmTechn.	10			648	648	0	0	648	0	0	18											18	
B2.П.4	Practice in Pharmaceutical Consulting and Information	anagPharm&PharmTechn.	9			180	180	0	0	180	0	0	5											5	
B2.П.5	Practice in Pharmaceutical Technology	anagPharm&PharmTechn.	9			108	108	0	0	108	0	0	3											3	
B3	State Final Attestation			1		108	0	0	0	0	108	0	3											3	
B3.Г	State Exam	ManagPhar&PharTechn.		10		108	0	0	0	0	108	0	3											3	
ФТД	Optionals																								
	Part formed by the participants of educational relations																								
ФТД.1	Pharmaceutical Development	ManagPhar&PharTechn	9			72	72	0	0	72	0	0	2											2	
ФТД.2	Drug Provision of a Medical Organization	ManagPhar&PharTechn	9			72	72	0	0	72	0	0	2											2	
ФТД.3	Legal Aspects of the Organization of Pharmaceutical Activities	ManagPhar&PharTechn	8			72	72	0	0	72	0	0	2										2		
ФТД.4	Introduction to the Terminology of the Specialty "Pharmacy"	ForeignLang.				72	72	0	0	72	0	0	2	1	1										
ФТД.5	Russian language as a Means of Communication	ForeignLang.	4			144	144	0	0	144	0	0	4			2	2								
ФТД.6	Foreign language (Russian)	ForeignLang.				36	36	0	0	36	0	0	1	1											
ФТД.7	Russian Language in the Professional Field	ForeignLang.		6		180	144	0	0	144	0	36	5									2	3		

Index	EP structure	Fixed Department	Forms of control				Total hours						Distribution of CU in years and semesters										Competencies			
			Credit	Credit with assessment	Exam	Course paper Checking medical history	Total	Contact work (no. yueg. zash.)	incl. among them			indep. work	Control	Total	Year 1											
									Lect.	Sem.	Pract.				1 sem. (19)					2 sem. (17)						
															Lect.	Sem.	Pract.	IndW	Control	CU	Lect.	Sem.		Pract.	IndW	Control
<b>Total for the EP HE (without optionals)</b>			<b>14</b>	<b>3</b>			<b>2160</b>	<b>1346</b>	<b>258</b>	<b>196</b>	<b>856</b>	<b>706</b>	<b>108</b>	<b>60</b>	<b>142</b>	<b>92</b>	<b>441</b>	<b>369</b>	<b>36</b>	<b>30</b>	<b>116</b>	<b>104</b>	<b>451</b>	<b>337</b>	<b>72</b>	<b>30</b>
Number of hours per week (classroom and independent work)														41.2			19.4			43.7			19.8			
Number of hours per week (total)														60.6						63.5						
B1	Disciplines (modules)		13	3			2124	1310	258	196	856	706	108	59	142	92	441	369	36	30	116	104	415	337	72	29
B1.O	Mandatory part of Block 1		8	3			1764	1090	224	144	722	566	108	49	128	92	362	318	36	26	96	52	360	248	72	23
B1.O.4	History of Russia	HumSciences	2				144	118	26	92	0	26	0	4	14	40	18	2	12	52			8			2
B1.O.5	Economic Theory	PubHealth	1				108	66	14	52	0	42	0	3	14	52		42		3						
B1.O.6	Foreign language (Russian)	ForeignLang.	2				108	108	0	0	108	0	0	3			36			1			72			2
B1.O.9	Mathematics	MedBiophysics	1				72	44	10	0	34	28	0	2	10		34	28	2							
B1.O.10	Physics	MedBiophysics	2				108	66	14	0	52	42	0	3							14		52	42		3
B1.O.11	Informatics	IT					72	44	10	0	34	28	0	2							10		34	28		2
B1.O.12	General and Inorganic Chemistry	GenChemistry		1			216	108	24	0	84	72	36	6	24		84	72	36	6						
B1.O.14	Physical and Colloidal Chemistry	GenChemistry					108	66	16	0	50	42	0	3							16		50	42		3
B1.O.18	Botany	Biology		2			252	130	28	0	102	86	36	7	16		50	42	3	12	52	44	36	4		
B1.O.19	Biology	Biology	1				108	66	14	0	52	42	0	3	14		52	42	3							
B1.O.20	Physiology with the Basics of Anatomy	NormPhysiology		2			216	110	24	0	86	70	36	6	14		52	42	3	10		34	28	36	3	
B1.O.21	Microbiology	EpidM&EM					108	66	18	0	48	42	0	3						18		48	42			3
B1.O.34	Physical Education and Sports	PhysCulture	2				72	44	8	0	36	28	0	2	4		18	14	1	4		18	14			1
B1.O.40	Foundations of Russian Statehood	HumSciences	1				72	54	18	0	36	18	0	2	18		36	18	2							
B1.Y00	Part formed by the participants of educational relations		5				360	220	34	52	134	140	0	10	14		79	51		4	20	52	55	89		6
B1.Y00	Mandatory part		5				360	220	34	52	134	140	0	10	14		79	51		4	20	52	55	89		6
B1.Y00.4	History of Pharmacy	HumSciences	2				108	66	14	52	0	42	0	3							14	52		42		3
B1.Y00.5	Biophysics	MedBiophysics	1				72	44	10	0	34	28	0	2	10		34	28		2						
B1.Y00.7	Latin	ForeignLang.	2				108	66	0	0	66	42	0	3			27	9		1			39	33		2
B1.Y00.11	Adaptation to Study at a Medical University	EconM&ML	1				36	22	4	0	18	14	0	1	4		18	14		1						
B1.Y00.12	Introduction to the Specialty	IanagPhar&PharTech	2				36	22	6	0	16	14	0	1						6		16	14			1
B1.Y00.3	Elective disciplines																									
	Elective disciplines in physical education and sports	PhysCulture					72	72	0	0	72	0	0	2			36			1			36			1
B2	Practical training, including research work		1				36	36	0	0	36	0	0	1									36			1
	Mandatory part		1				36	36	0	0	36	0	0	1									36			1
B2.Y	Educational practice		1				36	36	0	0	36	0	0	1									36			1
B2.Y.1	Pharmaceutical Propaedeutic Practice	IanagPhar&PharTech	2				36	36	0	0	36	0	0	1									36			1
ФТД	Optionals																									
	Part formed by the participants of educational relations																									
ФТД.4	Introduction to the Terminology of the Specialty "Pharmacy"	ForeignLang.					72	72	0	0	72	0	0	2			36			1			36			1
ФТД.6	Foreign language (Russian)	ForeignLang.					36	36	0	0	36	0	0	1			36			1						





Index	EP structure	Закрепленная Department	Forms of control				Total hours						Distribution of CU in years and semesters										Competencies			
			Credit	Credit with assessment	Exam	Course paper	Checking medical history	Total	incl.			Indep. work	Control	Total	Year 3											
									Contact work (по учеб. зан.)	among them					5 sem. (19)					6 sem. (19)						
										Lect.	Sem.				Pract.	Lect.	Sem.	Pract.	IndW	Control	CU	Lect.		Sem.	Pract.	IndW
<b>Total for the EP HE (without optionals)</b>			<b>11</b>		<b>3</b>	<b>2</b>		<b>2160</b>	<b>1282</b>	<b>266</b>	<b>68</b>	<b>948</b>	<b>770</b>	<b>108</b>	<b>60</b>	<b>148</b>	<b>68</b>	<b>402</b>	<b>390</b>	<b>72</b>	<b>30</b>	<b>118</b>	<b>546</b>	<b>380</b>	<b>36</b>	<b>30</b>
Number of hours per week (classroom and independent work)																39.3						41.7			20	
Number of hours per week (total)																59.8						61.7				
B1	Disciplines (modules)		10		3	2		2052	1174	266	68	840	770	108	57	148	68	402	390	72	30	118	546	380	36	27
B1.O	Mandatory part of Block 1		6		3	2		1764	998	226	68	704	658	108	49	134	68	350	348	72	27	92	438	310	36	22
B1.O.2	Law	PubHealth	5					72	44	10	34	0	28	0	2	10	34		28		2					
B1.O.3	Bioethics	Psychiatry	5					72	44	10	34	0	28	0	2	10	34		28		2					
B1.O.7	Information technology in pharmacy	anagPhar&PharTech	5					36	20	6	0	14	16	0	1	6		14	16		1					
B1.O.22	Pathology	PathPhysiol.			5			144	66	20	0	46	42	36	4	20	46	42	36	4						
B1.O.23	Biological Chemistry	Biochemistry			5			108	44	12	0	32	28	36	3	12		32	28	36	3					
B1.O.24	Pharmacology	G&CIPharm						216	130	30	0	100	86	0	6	16		50	42		3	14	50	44		3
B1.O.25	Life safety Emergency Medicine	MedDisasters			6			144	64	14	0	50	44	36	4						14	50	44	36	4	
B1.O.27	General Pharmaceutical Technology	agPharm&PharmTechn.						144	84	18	0	66	60	0	4						18	66	60		4	
B1.O.29	Pharmacognosy	rmChem&Pharmacogn.			6			252	150	32	0	118	102	0	7	14		52	42		3	18	66	60		4
B1.O.30	Pharmaceutical Chemistry	rmChem&Pharmacogn.	6					288	176	36	0	140	112	0	8	22		70	52		4	14	70	60		4
B1.O.33	Pharmacy Management and Economics	agPharm&PharmTech	6			6		216	132	28	0	104	84	0	6	14		52	42		3	14	52	42		3
B1.O.39	Basics of Military Training	MedDisasters	5					72	44	10	0	34	28	0	2	10	34	28		2						
B1.Y00	Part formed by the participants of educational relations		4					288	176	40	0	136	112	0	8	14		52	42		3	26	84	70		5
B1.Y00	Mandatory part		3					252	154	34	0	120	98	0	7	14		52	42		3	20	68	56		4
B1.Y00.2	Psychology and Pedagogy	Psychiatry	6					72	44	10	0	34	28	0	2						10	34	28		2	
B1.Y00.8	Modern Methods of Pharmaceutical Analysis	arChem&Pharmacogn.	6					72	44	10	0	34	28	0	2						10	34	28		2	
B1.Y00.10	General Hygiene	Hygiene	5					108	66	14	0	52	42	0	3	14		52	42		3					
B1.Y00.3	Elective disciplines		1					36	22	6	0	16	14	0	1						6	16	14		1	
B1.Y00.3.2	Elective disciplines 3																									
B1.Y00.3.2.1	Fundamentals of Pharmacogenetics	G&CIPharm	6					36	22	6	0	16	14	0	1						6	16	14		1	
B1.Y00.3.2.2	Chronopharmacology	G&CIPharm	6					36	22	6	0	16	14	0	1						6	16	14		1	
	Elective disciplines in physical education and sports	PhysCulture						112	112	0	0	112	0	0	3.12		56				1.56		56			1.56
B2	Practical training, including research work		1					108	108	0	0	108	0	0	3							108				3
	Mandatory part		1					108	108	0	0	108	0	0	3							108				3
B2.Y	Educational practice		1					108	108	0	0	108	0	0	3							108				3
B2.Y.2	Practice in Pharmacognosy	arChem&Pharmacogn.	6					108	108	0	0	108	0	0	3							108				3
ФТД	Optionals																									
	Part formed by the participants of educational relations																									
ФТД.7	Russian Language in the Professional Field	ForeignLang.			6			180	144	0	0	144	0	36	5			72			2		72		36	3

Index	EP structure	Закрепленная Department	Forms of control				Total hours						Distribution of CU in years and semesters										Competencies		
			Credit	Credit with assessment	Exam	Course paper	Checking medical history	Total	incl.			Indep. work	Control	Total	Year 4										
									among them						7 sem. (18)					8 sem. (17)					
									Contact work (по учеб. зан.)	Lect.	Sem.				Pract.	Lect.	Sem.	Pract.	IndW	Control	CU	Lect.		Sem.	Pract.
<b>Total for the EP HE (without optionals)</b>			<b>7</b>	<b>6</b>	<b>3</b>		<b>2160</b>	<b>1176</b>	<b>274</b>	<b>0</b>	<b>902</b>	<b>768</b>	<b>216</b>	<b>60</b>	<b>134</b>	<b>476</b>	<b>362</b>	<b>108</b>	<b>30</b>	<b>140</b>	<b>426</b>	<b>406</b>	<b>108</b>	<b>30</b>	
Number of hours per week (classroom and independent work)															33.9		20.1			37.5		23.9			
Number of hours per week (total)															54					61.4					
B1	Disciplines (modules)		6	6	3		2088	1104	274	0	830	768	216	58	134	404	362	108	28	140	426	406	108	30	
B1.O	Mandatory part of Block 1		4	6	3		1908	990	240	0	750	702	216	53	126	388	350	108	27	114	362	352	108	26	
B1.O.24	Pharmacology	G&C/Pharm		7			108	44	10	0	34	28	36	3	10	34	28	36	3						
B1.O.27	General Pharmaceutical Technology	gPhar&PharTechn.		7	7		144	58	16	0	42	50	36	4	16	42	50	36	4						
	Biotechnology	nChem&Pharma	8				144	66	14	0	52	78	0	4					14		52	78		4	
B1.O.29	Pharmacognosy	arChem&Pharmac.		7			144	64	14	0	50	44	36	4	14	50	44	36	4						
B1.O.30	Pharmaceutical Chemistry	arChem&Pharma.		8	7		360	192	46	0	146	132	36	10	28	80	72		5	18	66	60	36	5	
B1.O.31	Toxicological Chemistry	arChem&Pharmac.		8			216	108	24	0	84	72	36	6	10	34	28		2	14	50	44	36	4	
B1.O.32	Medical and Pharmaceutical Merchandising	gPharm&Pharm	8				180	110	30	0	80	70	0	5	10	34	28		2	20	46	42		3	
B1.O.33	Pharmacy Management and Economics	gPharm&Pharm	7	8			396	216	56	0	160	144	36	11	28	80	72		5	28	80	72	36	6	
B1.O.35	Clinical Pharmacology with the Basics of Pharmacotherapy	G&C/Pharm			8		144	88	20	0	68	56	0	4					20		68	56		4	
B1.O.36	Pharmaceutical Ecology	Hygiene	7				72	44	10	0	34	28	0	2	10	34	28		2						
B1.Y00	Part formed by the participants of educational relations		2				180	114	34	0	80	66	0	5	8	16	12		1	26	64	54		4	
B1.Y00	Mandatory part		1				144	90	28	0	62	54	0	4	8	16	12		1	20	46	42		3	
B1.Y00.1	Industrial Pharmaceutical Technology	Chem&Pharmacog.					108	66	20	0	46	42	0	3					20		46	42		3	
B1.Y00.9	Communicative Foundations of Pharmaceutical Activity	EconM&ML	7				36	24	8	0	16	12	0	1	8	16	12		1						
B1.Y00.9	Elective disciplines		1				36	24	6	0	18	12	0	1					6		18	12		1	
B1.Y00.9.3	Elective disciplines 4																								
B1.Y00.9.3.1	Pharmaceutical Marketing	gPharm&Pharm	8				36	24	6	0	18	12	0	1					6		18	12		1	
B1.Y00.9.3.2	Pharmaceutical Logistics	gPharm&Pharm	8				36	24	6	0	18	12	0	1					6		18	12		1	
B2	Practical training, including research work		1				72	72	0	0	72	0	0	2		72			2						
	Mandatory part		1				72	72	0	0	72	0	0	2		72			2						
B2.Y	Educational practice		1				72	72	0	0	72	0	0	2		72			2						
B2.Y.3	Practice in General Pharmaceutical Technology	gPharm&Pharm	7				72	72	0	0	72	0	0	2		72			2						
ФТД	Optionals																								
	Part formed by the participants of educational relations																								
ФТД.3	Legal Aspects of the Organization of Pharmaceutical Activities	gPharm&Pharm	8				72	72	0	0	72	0	0	2						72				2	

Index	EP structure	Закрепленная Department	Forms of control					Total hours							Distribution of CU in years and semesters										Competencies			
			Credit	Credit with assessment	Exam	Course paper	Checking medical history	Total	incl.			Indep. work	Control	Total	Year 5													
									Contact work (по учеб. зан.)	among them					Lect.	Sem.	Pract.	9 sem. (16)					10 sem. (2)					
										Lect.	Sem.							Pract.	Lect.	Sem.	Pract.	IndW	Control	CU		Lect.	Sem.	Pract.
	<b>Total for the EP HE (without optionals)</b>		<b>7</b>	<b>8</b>	<b>2</b>		<b>2160</b>	<b>1712</b>	<b>98</b>	<b>0</b>	<b>1614</b>	<b>376</b>	<b>72</b>	<b>60</b>	<b>98</b>	<b>786</b>	<b>268</b>	<b>72</b>	<b>34</b>			<b>828</b>	<b>108</b>	<b>26</b>				
	Number of hours per week (classroom and independent work)														64.3		16.8				414		54					
	Number of hours per week (total)														81						468							
B1	Disciplines (modules)		7	2	2		756	416	98	0	318	268	72	21	98	318	268	72	21									
B1.O	Mandatory part of Block 1		2	2		396	198	46	0	152	126	72	11	46	152	126	72	11										
B1.O.16	Emergency Care	ARes.&T	9			72	44	10	0	34	28	0	2	10	34	28	2											
B1.O.35	Clinical Pharmacology with the Basics of Pharmacotherapy	G&C/Pharm		9		180	88	20	0	68	56	36	5	20	68	56	36	5										
B1.O.37	Legal Basis of the Pharmacist's Activity	gPharm&PharmTechn.		9		108	44	10	0	34	28	36	3	10	34	28	36	3										
B1.O.38	Pharmaceutical Consulting and Information	gPharm&Pharm				36	22	6	0	16	14	0	1	6	16	14	1											
B1.YOO	Part formed by the participants of educational relations		5		2	360	218	52	0	166	142	0	10	52	166	142		10										
B1.YOO	Mandatory part		2		2	252	152	34	0	118	100	0	7	34	118	100		7										
B1.YOO.1	Industrial Pharmaceutical Technology	nChem&Pharma	9		9	144	86	20	0	66	58	0	4	20	66	58		4										
B1.YOO.3	Pharmaceutical Management	gPharm&Pharm	9		9	108	66	14	0	52	42	0	3	14	52	42		3										
B1.YOO.3	Elective disciplines		3			108	66	18	0	48	42	0	3	18	48	42		3										
B1.YOO.3.4	Elective disciplines 7																											
B1.YOO.3.4.1	Promotion of Products on the Pharmaceutical Market	gPharm&Pharm	9			36	22	6	0	16	14	0	1	6	16	14		1										
B1.YOO.3.4.2	Project Management in Pharmacy	gPharm&Pharm	9			36	22	6	0	16	14	0	1	6	16	14		1										
B1.YOO.3.5	Elective disciplines 5																											
B1.YOO.3.5.1	Organization of Drug Supply to the Population	gPharm&Pharm	9			36	22	6	0	16	14	0	1	6	16	14		1										
B1.YOO.3.5.2	Fundamentals of Business Activity in Pharmacy	gPharm&Pharm	9			36	22	6	0	16	14	0	1	6	16	14		1										
B1.YOO.3.6	Elective disciplines 6																											
B1.YOO.3.6.1	State Registration and Examination of Medicines	gPharm&Pharm	9			36	22	6	0	16	14	0	1	6	16	14		1										
B1.YOO.3.6.2	State Control and Supervision in the Field of Circulation of Medicines	gPharm&Pharm	9			36	22	6	0	16	14	0	1	6	16	14		1										
B2	Practical training, including research work			5		1296	1296	0	0	1296	0	0	36		468			13			828			23				
	Mandatory part			5		1296	1296	0	0	1296	0	0	36		468			13			828			23				
B2.П	Practice			5		1296	1296	0	0	1296	0	0	36		468			13			828			23				
B2.П.1	Practice in Quality Control of Medicines	arChem&Pharmac.		9		180	180	0	0	180	0	0	5		180			5										
B2.П.2	Practice in Industrial Pharmaceutical Technology	arChem&Pharmac.		10		180	180	0	0	180	0	0	5								180			5				
B2.П.3	Practice in Management and Economics of Pharmaceutical Organizations	lPhar&PharTech.		10		648	648	0	0	648	0	0	18								648			18				
B2.П.4	Practice in Pharmaceutical Consulting and Information	nagPhar&PharTech.		9		180	180	0	0	180	0	0	5		180			5										
B2.П.5	Practice in Pharmaceutical Technology	nagPhar&PharTech.		9		108	108	0	0	108	0	0	3		108			3										
B3	State Final Attestation			1		108	0	0	0	0	108	0	3									108		3				
B3.Г	State Exam	lPhar&PharTech.		10		108	0	0	0	0	108	0	3									108		3				
ФТД	Optionals																											
	Part formed by the participants of educational relations																											
ФТД.1	Pharmaceutical Development	gPharm&Pharm	9			72	72	0	0	72	0	0	2		72			2										
ФТД.2	Drug Provision of a Medical Organization	gPharm&Pharm	9			72	72	0	0	72	0	0	2		72			2										

Specialty: 33.05.01 Pharmacy (FSES 3++)

Curriculum: 33.05.01\_04\_2024

Year of admission: 2024

Index	EP structure	Component	distrib.	Weeks	Days	CU	Total, hours	Contact work	Indep. work	Number of weeks											
										Year 1		Year 2		Year 3		Year 4		Year 5			
										1 sem.	2 sem.	3 sem.	4 sem.	5 sem.	6 sem.	7 sem.	8 sem.	9 sem.	10 sem.		
Б2.У.1	Pharmaceutical Propaedeutic Practice	base		0.67	4	1	36	36	0		0.67										
Б2.У.2	Practice in Pharmacognosy	base		2	12	3	108	108	0						2						
Б2.У.3	Practice in General Pharmaceutical Technology	base		1.33	8	2	72	72	0							1.33					
Б2.У.4	Practice in First Aid	base		0.67	4	1	36	36	0			0.67									
Б2.П.1	Practice in Quality Control of Medicines	base		3.33	20	5	180	180	0											3.33	
Б2.П.2	Practice in Industrial Pharmaceutical Technology	base		3.33	20	5	180	180	0												3.33
Б2.П.3	Practice in Management and Economics of Pharmaceutical Organizations	base		12	72	18	648	648	0												12
Б2.П.4	Practice in Pharmaceutical Consulting and Information	base		3.33	20	5	180	180	0												3.33
Б2.П.5	Practice in Pharmaceutical Technology	base		2	12	3	108	108	0												2
				28.67	172	43	1548	1548	0		0.67	0.67			2	1.33				8.67	15.3





33.05.01\_04\_2024

N	Index	Name
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		Total					Year 1			Year 2			Year 3			Year 4			Year 5			
		Base. %	Elec. %	Elect. (from Var.) %	CU			Total	Sem. 1	Sem. 2	Total	Sem. 3	Sem. 4	Total	Sem. 5	Sem. 6	Total	Sem. 7	Sem. 8	Total	Sem. 9	Sem. 10
	Total for the EP HE (with optionals)				0	0	318	63	32	31	64	30	34	65	32	33	62	30	32	64	38	26
	Total for the EP HE (without optionals)				0	0	300	60	30	30	60	28	32	60	30	30	60	30	30	60	34	26
Block 1	Disciplines (modules)	89 %	11 %	30 %	0	0	254	59	30	29	59	27	32	57	30	27	58	28	30	21	21	
	Part formed by the participants of educational relations				0	0	39	10	4	6	6	2	4	8	3	5	5	1	4	10	10	
	Mandatory part of Block 1				0	0	215	49	26	23	53	25	28	49	27	22	53	27	26	11	11	
Block 2	Practical training, including research work				0	0	43	1		1	1	1		3		3	2	2		36	13	23
	Mandatory part				0	0	43	1		1	1	1		3		3	2	2		36	13	23
Block 3	State Final Attestation				0	0	3													3		3
	State Final Attestation				0	0	3													3		3
Block 4	Optionals				0	0	18	3	2	1	4	2	2	5	2	3	2		2	4	4	
	Part formed by the participants of educational relations				0	0	18	3	2	1	4	2	2	5	2	3	2		2	4	4	
	Volume of the mandatory part of the total volume of the program						87%															
	part of ... classes from the classroom						17.1%															
							lectures															
							EP HE, optionals	-	34	47	-	57	52	-	91	85	-	98	78	-	16	0
							EP HE, electives (in the period of exams)	-	180	180	-	168	192	-	180	180	-	180	180	-	204	156
	Academic workload (hour/week)						Classroom (BEP - elect.physical culture)	-	35	39	-	32	36	-	32	34	-	33	33	-	55	414
							electives in physical education) with distributed practice	-	35	39	-	32	36	-	32	34	-	33	33	-	55	414
							Classroom (electives in physical culture)	-	1	2	-	3	4	-	2	2	-	0	0	-	0	0
	Mandatory forms of control						Credit	14	6	8	9	5	4	11	5	6	7	4	3	7	7	
							Exam	3	1	2	5	2	3	3	2	1	6	3	3	8	5	3