

The syllabus has been approved by the
University senate
Report No. 6 of 27.04.20

WORKING SYLLABUS

FOR SPECIALISTS' TRAINING



APPROVED BY

Re: Rector
for Academic

Bogomolova E.S.

20__

33.05.01

Specialty 33.05.01 Pharmacy

Chair: _____

Faculty: Pharmacy

Qualification: Pharmacist

Mode of study: full-time

Term of studies: 5 years

Forms of professional functions

- Education and Science

- Healthcare

- Administrative, management and office functions

Year of Launching the Program

2019

Educational Standard

219

27.03.2018

APPROVED BY

Head of Academic Department

Dean

[Signature]
[Signature]

1. Calendar Training Schedule

Month	September				October			27 - 2	November				December				29 - 4	January				26 - 1	February				23 - 1	March				30 - 5	April				27 - 3	May				June				29 - 5	July				August			
Day	1 - 7	8 - 14	15 - 21	22 - 28	29 - 5	6 - 12	13 - 19		20 - 26	3 - 9	10 - 16	17 - 23	24 - 30	1 - 7	8 - 14	15 - 21		22 - 28	5 - 11	12 - 18	19 - 25		2 - 8	9 - 15	16 - 22	2 - 8		9 - 15	16 - 22	23 - 29	6 - 12		13 - 19	20 - 26	4 - 10	11 - 17		18 - 24	25 - 31	1 - 7	8 - 14	15 - 21	22 - 28	6 - 12	13 - 19		20 - 26	27 - 2	3 - 9	10 - 16	17 - 23	24 - 31		
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52		
I																			V			ES																AP		AP	ES	ES		ES	V	V	V	V	V	V	V			
																			V		ES	ES	V																															
																			V		ES	AP																																
																			V		ES	AP																																
																			V		ES	AP																																
																			V		ES	AP																																
II																			V			ES	ES	V																														
																			V																																			
																			V			ES	ES	V																														
																			V																																			
																			V			ES	ES	V																														
																			V			ES	ES	V																														
III																			V			ES	ES	V																														
																			V			ES	ES	V																														
																			V		ES	AP		V																														
																			V		ES	AP		V																														
																			V		ES	AP		V																														
																			V		ES	AP		V																														
IV																			V			AP	ES	ES	V																													
																			V			AP																																
																			V				ES	ES	V																													
																			V	AP																																		
																			V	AP																																		
V																			ES	V	ES		TP	TP	V	ES																												
																			ES	V	ES																																	
																			V		TP																																	
																			V		TP																																	
																			V	ES	TP																																	
																			V	ES	TP																																	

2. Data Summary

		Year 1			Year 2			Year 3			Year 4			Year 5			Total
		Semester	Sem. 2	Total	Sem. 1	Sem. 2	Total	Sem. 1	Sem. 2	Total	Sem. 1	Sem. 2	Total	Sem. 1	Sem. 2	Total	
	Theoretical Classes	18 2/6	17	35 2/6	19	18	37	18 2/6	18 4/6	37	17 4/6	17	34 4/6	15 2/6	1 2/6	16 4/6	160 4/6
ES	Exam Sessions	2	3	5	2	4	6	2	1	3	2	3	5	3	1	4	23
AP	Academic Practice	4/6	2	2 4/6				4/6	3 2/6	4	1 2/6	1 2/6	2 4/6				9 2/6
TP	Training Practice													2 4/6	16 4/6	19 2/6	19 2/6
SE	State Examinations and/or presentation of the graduation thesis														2	2	2
V	Vacations	2	7	9	2	7	9	2	6	8	2	7 4/6	9 4/6	2	8	10	45 4/6
Total		23	29	52	23	29	52	23	29	52	23	29	52	23	29	52	260
Students																	
Groups																	

ID	Name	Type	Status	Project Information										Financial Data										Operational Data										Performance Metrics										Compliance & Audit									
				Start Date	End Date	Manager	Budget	Actual	Variance	Forecast	Revenue	Cost	Profit	Units	Hours	Material	Energy	Water	Waste	Quality	Safety	Health	Environment	Legal	Tax	Other	Score	Rating	Comments																								
1	Project Alpha	Construction	Active	2023-01-01	2023-12-31	John Doe	\$1,000,000	\$950,000	\$50,000	\$1,050,000	\$1,000,000	\$900,000	\$100,000	10,000	1,000	500	100	50	10	5	2	1	0	0	0	95	A	On schedule, budget under control.																									
2	Project Beta	Software	Completed	2022-06-01	2022-11-30	Jane Smith	\$500,000	\$520,000	-\$20,000	\$500,000	\$500,000	\$480,000	\$20,000	5,000	500	200	50	20	10	5	2	1	0	0	0	98	A+	Exceeded expectations, minor budget overrun.																									
3	Project Gamma	Research	On Hold	2023-03-01	2023-09-30	Dr. Chen	\$200,000	\$180,000	\$20,000	\$200,000	\$200,000	\$190,000	\$10,000	2,000	200	100	20	10	5	2	1	0	0	0	0	90	B	Research paused due to funding issues.																									
4	Project Delta	Manufacturing	Active	2023-02-01	2024-01-31	Mr. Lee	\$800,000	\$820,000	-\$20,000	\$800,000	\$800,000	\$780,000	\$20,000	8,000	800	400	80	40	20	10	5	2	1	0	0	92	B+	Production ramping up, quality concerns being addressed.																									
5	Project Epsilon	Marketing	Completed	2022-09-01	2022-12-31	Ms. Garcia	\$150,000	\$160,000	-\$10,000	\$150,000	\$150,000	\$140,000	\$10,000	1,500	150	75	15	7	3	1	0	0	0	0	0	96	A-	Campaign successful, brand awareness increased.																									

[illegible]

Distribution of Credit Units: Year and Semester-Wise																
Credit Units	Year 1		Year 2		Year 3		Year 4		Year 5		Sem A					
	Sem 1		Sem 2		Sem 3		Sem 6		Sem 7		Sem 8					
	Title	Credit	Title	Credit	Title	Credit	Title	Credit	Title	Credit	Title	Credit				
	State final examination															
Total	60		60		60		60		60		60					
	30	30	29	31	30	30	30	30	30	30	30	30				
1	61.B.3 History [Credit]	2			61.B.1 Philosophy	2	61.B.21 Law [Credit]	2								
2											61.B.Q1.18 Protection of WBC (GE) [Exam]	2				
3			61.B.4 History of Pharmacy [Credit]	3			61.B.21 Pharmacology	3	61.B.21 Pharmacology [Exam]	3	61.B.22 Clinical pharmacology with basic pharmacotherapy [Exam]	4				
4	61.B.5 Economic theory [Exam]	4	61.B.6 Foreign language	1	61.B.6 Foreign language [Exam]	4	61.B.19 Pathology [Exam]	4				61.B.22 Clinical pharmacology with basic pharmacotherapy [Exam]	5			
5			61.B.7 Latin [Exam]	2.5	61.B.10 Computer science [Credit]	1	61.B.23 Life safety, Emergency Medicine [Pro]	3	61.B.25 Pharmaceutical technology [Exam]	4						
6					61.B.12 Physical and colloidal chemistry [Exam]	3					61.B.26 Biotechnology [Exam]	4				
7	61.B.6 Foreign language	2					61.B.20 Biological chemistry [Exam]	3	61.B.25 Pharmaceutical technology	4						
eight			61.B.9 Physics [Credit]	3			61.B.25 Pharmaceutical technology	4								
nine	61.B.7 Latin	1.5			61.B.13 Analytical chemistry [Exam]	6			61.B.27 Pharmacognosy [Exam]	4						
ten			61.B.10 Maths [Credit]	2	61.B.13 Analytical chemistry	5	61.B.21 Pharmacology	3			61.B.28 Pharmaceutical chemistry [Exam]	4				
eleven							61.B.27 Pharmacognosy	3								
12			61.B.12 Physical and colloidal chemistry	3			61.B.23 Life safety, Emergency medicine	3	61.B.28 Pharmaceutical chemistry	4	61.B.29 Toxicological chemistry [Exam]	3				
13	61.B.11 General and inorganic chemistry [Exam]	6			61.B.14 Organic chemistry	5	61.B.24 General hygiene [Credit]	3	61.B.29 Toxicological chemistry	3	61.B.30 Medical and pharmaceutical merchandising [Exam]	3				
14			61.B.15 Botany [Exam]	4					61.B.31 Pharmacy management and economics	2						
15					61.B.18 Microbiology [Exam]	3	61.B.19 Pathology	2	61.B.31 Pharmacy management and economics	2	61.B.30 Medical and pharmaceutical merchandising	2				
16									61.B.Q1.3 Psychology and Pedagogy [Credit]	2	61.B.Q1.12 Emergency aid [Credit]	2				
17					61.B.Q1.6 Thermodynamics of chemical equilibrium of various systems [Credit]	2	61.B.20 Biological chemistry	4			61.B.Q1.21 Quality management system of pharmaceutical organizations [Credit] (Drug supply of a medical)	1				
18			61.B.18 Microbiology	3			61.B.26 Pharmaceutical chemistry	4	61.B.31 Management and economics of pharmacy [Credit]	5						
19					61.B.Q1.7 Information support of the life cycle of medicinal products [Credit]	2			61.B.31 Management and economics of pharmacy [Credit]	5						
20			61.B.17 Physiology with basic anatomy [Exam]	3.5			61.B.Q1.7 Information support of the life cycle of medicines	2								
21					61.B.Q1.10 First aid [Credit]	2			61.B.Q1.4 Pharmaceutical ecology [Credit]	2	61.B.31 Industrial technology	3				
22																
23	61.B.16 Biology [Credit]	3			61.B.Q1.13 Special anatomy of systems and organs [Credit]	3			61.B.Q1.16 Fundamentals of research and project management	1	61.B.Q1.17 Communicative bases of pharmaceutical activity [Credit]	1				
24					Educational practice	2			61.B.Q1.11 Organization of pharmaceutical activity [Credit] (Business activity in pharmacy)	1						
25	61.B.17 Physiology with basic anatomy	2.5					61.B.Q1.2 Bioethics [Credit]	2								
26			61.B.22 Physical education and sports [Credit]	1												
27	61.B.22 Physical education and sports	1	61.B.Q1.1 Cultural [Credit]	2												
28	61.B.Q1.5 Biophysics	1														
29	61.B.Q1.14 Adaptation to studying at a medical university [Credit]	1	61.B.Q1.5 Biophysics [Credit]	1												
30	61.B.Q1.15 Introduction to the specialty [Credit]	1	Academic practice	1	61.B.2B.1.1 Modern problems of medical chemistry [Credit] (Surface chemistry / Instrumental methods in analytical chemistry)	2	61.B.Q1.11 Information technology in pharmacy [Credit]	1								
									Educational practice	2	61.B.2B.5.1 Pharmaceutical Marketing [Credit] (Pharmaceutical Logistics)	1				
												State final examination	3			

Code	Chair
1	Philosophy and history
2	Machinery and equipment for household and housing and communal purposes
3	Radioelectronic systems
4	Information systems and radio engineering
5	Energy and life safety
6	Applied mechanics and machine design
7	Organization and traffic safety
8	Technical maintenance of cars
9	Technology of sewing ware and material engineering
10	Leather products technology, standardization and certification
11	Maths
12	Natural science disciplines
14	Commercial and financial law
15	Economy
16	Management
18	Organization of production and management
19	Computer science
20	Foreign languages
21	Physical education and sports
22	Modelling, engineering and design
23	Social technology
25	Tourism and hospitality industry
26	Civil law and process
28	Theory of state and law
29	Service
30	Marketing and advertising
31	Psychology and pedagogy
32	Reserve
33	Labor and social security law
34	Constitutional and municipal law
35	Bataysk syllabus
36	Belaya Kalitva syllabus
37	Criminal law disciplines
38	College of economics and service