

Approve

Vice-Rector for Academic Work

prof. Guminsky Y.Y.

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National Pirogov Memorial Medical University, Vinnytsya
(національний медичний університет імені Михайла Пирогова)

Curriculum for 2019/2020 acad. Year
Specialty 22 Public Health Care 226 "Pharmacy"
(specialty)

FIRST YEAR (FOREIGN STUDENTS)

according to MPH on 26.07.2016

Year	September				October				November				December				January				February				March				April				May				June				July				August						
	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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T			

Definitions: T – theoretical study; C – examinations; П – practice; K – holidays;

№ п/п	Titles of Subjects	ECTS credits	Amount of hours																				Department													
			I semester 20 academic weeks										II semester 20 academic weeks																							
			according curriculum	actually allocated	total	among them class						individual work	course works, projects	calculation work	forms of control		total	among them class						individual work	course work, project	calculation work	forms of control									
						всього	в тому числі				всього				в тому числі				екзамен	ЗЗЛК	всього	в тому числі					екзамен	ЗЗЛК								
лекції	лабораторії	практичні					індивідуальні	лекції	лабораторії	практичні					індивідуальні																					
1	Latin Language	3.00	90	90	45	30			30	15					c	45	30			30	15														dc	Foreign Languages
2	Higher mathematics and Statistics	3.50	105	105	45	38	18		20	7					c	60	32	0		32	28														dc	Biophysics
3	General and Inorganic Chemistry	6.00	180	180	90	60	20		40	30					c	90	50	10		40	40													E	Pharmaceutical Chemistry	
4	Human Anatomy and Physiology	5.00	150	150	75	54	18		36	21					dc	75	54	18		36	21													dc	Human Anatomy Physiology	
5	Biology with Bases of Genetics	4.00	120	120	120	80	20		60	40					dc	0	0																		Pharmacy	
6	History of Ukraine and Ukrainian Culture	3.00	90	90												90	30	10		20	60													dc	Social Sciences	
7	Biologic Physics with Physical Methods of Analysis	4.50	135	135												135	80	20		60	55													dc	Biophysics	
8	Introduction to Pharmacy	3.00	90	90												90	60	20		40	30													dc	Pharmacy	
9	Bases of Bioethics and Biosafety	1.00	30	30												30	20	10		10	10													c	Hygiene	
10	Philosophy	3.00	90	90												90	40	20		20	50													dc	Philosophy	
11	Life Safety	3.00	90	90												90	28	10		18	62													c	Emergency Medicine	
12	Elective Course: Law	3.00	90	90	90	26	8		18	64						0	0																		Pathologic Anatomy	
13	Elective Course: Sociology, Medical Sociology	3.00	90	90												90	28	10		18	62													c	Philosophy Social Sciences	
14	Elective Course: Cellular Biology	3.50	105	105	105	30	10		20	75																									Pharmacy	
15	Elective Course: Bioactivity of Inorganic Compounds	3.50	105	105												105	30	10		20	75													c	Pharm. Chemistry	
16	Introductory Practice in OEP (summer)	2.00	60	60																																
17	Ukrainian Language	12.00	360	360	210				136	74						150	102			102	48													дз	Ukrainian Studies	
Total		66.00	1560	1560	570	318	94	0	224	252	0	0	0	0	c	990	482	138	0	344	508	0	0													

№ п/п	Practice		Number of weeks	Amount of hours	Form of control
	Practice	Educative			
	Introductory Practice in OEP		1	60	дз

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Head of Academic Department _____ prof. Fomina L.V.

Approve

Vice-

_____, prof. Guminsky Y.Y.

_____, 20__ року

National Pirogov Memorial Medical University, Vinnytsya
full title of the university

Curriculum for 2019/2020 acad. Year Specialty 22 Public Health Care 226 "Pharmacy"

(шифр і назва напрямку підготовки (спеціальності))

Курс 2 (ІНОЗЕМНІ СТУДЕНТИ)

according to order MPH on 26.07.2016

Year	September					October			November					December			January					February			March			April					May			June				July			August									
	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

Definitions: T – theoretical study; C – examinations; П – practice; K – holidays

№	Titles of Subjects	Amount ECTS credits	Amount of hours		III semester 20 academic weeks												IV semester 19 academic weeks												Departments																											
			according to curriculum	actually allocated	among them class including			individual work	course work, projects	calculation work	forms of control		total	among them class including			individual work	course work, projects	calculation work	forms of control																																				
			total	lectures	laboratory	practical	exam				credit	total		lectures	laboratory	practical				exam	credit																																			
			total	total	lectures	laboratory	practical	exam	credit	total	lectures	laboratory	practical	exam	credit																																									
1	Analytical Chemistry	8.00	240	240	120	80	20		60	40					c	120	66	8		58	54						E	Pharmaceutical Chemistry																												
2	Organic Chemistry	8.00	240	240	120	80	20		60	40					c	120	66	8		58	54						E	Pharmaceutical Chemistry																												
3	Physical and Colloidal Chemistry	2.00	60	60												60	46	8		38	14						c	Pharmaceutical Chemistry																												
4	Pharmaceutical Botany	5.00	150	150	75	70	10		60	5					c	75	66	8		58	9					E	Pharmacy																													
5	Microbiology with Bases of Immunology	2.50	75	75												75	46	8		38	29						c	Microbiology																												
6	First Premedical Aid with Introductory Medical Practice	3.00	90	90	90	45	4	6	20	21					dc																																									
																																							45	6	20	19	dc													
7	Informative Technologies in Pharmacy	5.00	150	150	60	40	10		30	20					c	90	30			30	60						dc	Biophysics																												
8	Hygiene in Pharmacy and Ecology	3.00	90	90												90	36	18		18	54						dc	Hygiene and Ecology																												
9	Biological Chemistry	6.00	180	180	90	60	20		40	30					c	90	40	10		30	50					E	Biochemistry																													
10	Bases of Bioethics and Biosafety	1.00	30	30	30	20	10		10	10					c	0	0																																							
11	Philosophy	3.00	90	90	90	40	20		20	50					dc	0	0																																							
12	Elective Course: Logic. Formal logic	2.00	60	60	60	20	10		10	40					c	0	0																																							
13	Elective Course: Economic Theory	2.00	60	60	60	22	2		20	38					c	0	0																																							
14	Elective Course: Theoretical Bases of Drug Technology	3.00	90	90	90	40	10		30	50					c	0	0																																							
15	Elective Course: Medicinal Plants Growing	2.00	60	60												60	26	8		18	34																																			
16	Elective Course: Applied Genetics	2.00	60	60												60	26	8		18	34																																			
17	Elective Course: Essential Problems of Cellular Biology	2.00	60	60												60	26	8		18	34																																			
																																											c													
18	Elective Course: Theoretical Bases of Synthesis	2.00	60	60												60	42	6		36	18																																			
19	Practice in Pharm. Botany (summer)	3.00	90	90																																																				
20	Ukrainian Language	6.5	195	195	105	68			68	37					c	90	68			68	22																																			
Total		71.00	1785	1785	885	562	142	0	380	363	0	0	0	0	0	900	474	92	0	382	426	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

№ з/п	Practice	educative	Practice in pharmaceutical Botany	1	90	dc
				Head of Academic Department		prof. Fominal L.V.

Approve

Vice-Rector for Academic Work

_____ prof. Guminsky Y.Y.

"__" _____ 20__

National Pirogov Memorial Medical University, Vinnytsya
(full title of the university)

Curriculum for 2019/2020 acad.year
Specialty 22 Hublic Health Care 226 "Pharmacy, Industrial Pharmacy"
(specialty)

THIRD YEAR (FOREIGN STUDENTS)

according to order of MPH on 26.07.2016

Year	September				October				November				December				January				February				March				April				May				June				July				August											
	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	53			
3	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C	K	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	C	C	SLE	K	K	K	K	K	K	K	K	K

Definitions: T – theoretical study; C – examinations; П – practice; K – holidays;

№	Titles of Subjects	Amount ECTS credits	Amount of hours		V semester 18 academic weeks										VI semester 18 academic weeks										Department												
			according to curriculum	actually allocated	total	among them class including			individual work course work, projects	calculation work	forms of control		total	among them class including			individual work course work, projects	calculation work	forms of control																		
						lectures	laboratory	practical			exam	credit		total	lectures	laboratory			practical	exam	credit																
																						total	lectures	laboratory		practical	exam	credit									
1	Drug Technology	9.00	270	270	135	90	18		72	45								c		135	72	18		54	63								E	Pharmacy			
2	Physical and Colloidal Chemistry	2.50	75	75	75	48	10		38	27								E																	I	Pharmaceutical Chemistry	
3	Pathologic Physiology	5.00	150	150	75	54	18		36	21								c		75	26	12		14	49								E	I	Pathologic Physiology		
4	Pharmaceutical Chemistry	6.00	180	180	90	66	10		56	24								c		90	46	8		38	44								E	I	Pharmaceutical Chemistry		
5	Microbiology with Bases of Immunology	2.50	75	75	75	44	10		34	31								E																	I	Microbiology	
6	Pharmacognosy	4.50	135	135																135	90	18		72	45									C	I	Pharmaceutical Chemistry	
7	Pharmacology	9.00	270	270	135	88	18		70	47									c		135	82	12		70	53							E	I	Pharmacy		
8	Emergency Medicine	3.00	90	90	90	26	8		18	64									dc																I	Emergency Medicine	
9	Civil Defense	0.50	15	15	15	8			8	7									c																I	Emergency Medicine	
10	Computer Modelling in Pharmacy	3.00	90	90																90	40	4		36	50									dc	I	Biophysics	
11	Pharmaceutical Law and Legislation	3.00	90	90	90	50	18		32	40									dc																	I	Social Medicine
12	Ethics and Deontology in Pharmacy	3.00	90	90	90	38	8		30	52									dc																	I	Philosophy and Social Sciences
13	Elective Course: Clinical Biochemistry	2.00	60	60	60	56	18		38	4									c																	I	Biochemistry
14	Elective Course: Clinical Microbiology and Immunology	2.00	60	60																60	30	30			30										c	I	Microbiology
15	Elective Course: Drugs Side Effects	2.00	60	60																60	30			30	30										c	I	Clinical Pharmacy
16	Elective Course: Modern Analytic Laboratory Practice	4.00	120	120	120	56	18		38	64									c	0	0															I	Pharmaceutical Chemistry
17	Elective Course: Physico-Chemical Analysis in Drug Creating	1.50	45	45																45	36			36	9										c	I	Pharmaceutical Chemistry
18	Educative Practice in Pharmacognosy	3.00	90	90																90	46	8		38	44										dc	I	Pharmaceutical Chemistry
19	Propedeutic Practice in PDT	2.00	60	60																60	36			36	24										dc	I	Pharmacy
20	Ukrainian Language	3.50	105	105	60				34	26									c	45	34			34	11										дз	I	Ukrainian Studies
Total		67.5	2025	2025	1050	624	154	0	470	426	0	0	0	0	0	0	0	0	975	534	110	0	424	441	0	0											

№	Title	Semester
	STEP-I	7

"__" _____ 20__ року

ідувач навчального відділу _____ проф. Фосіна Л.В.

Approve

Vice-Rector for Academic Work

prof. Guminsky Y.Y.

"__"_____" 20__

Natalia Pirogov Memorial Medical University, Vinnytsya
title of the university

Curriculum for 2019/2020 acad.year
Specialty 22 Public Health Care 226 "Pharmacy"
(specialty)

FOURTH YEAR (FOREIGN STUDENTS)

according to order of MPH on 26.07.2016

Year	September					October					November					December					January					February					March					April					May					June					July					August				
+	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	53	54	55					
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T					

Definitions: T – theoretical study; C – exams; П – practice; K – holidays;

№	Titles of Subjects	Amount ECTS credits	Amount of hours:			VII semester 20 academic weeks											VIII semester 18 academic weeks											Department								
			according to curriculum	actually allocated	total	among them class including			individual work	course work, projects	calculation work	forms of control		total	among them class including			individual work	course work, projects	calculation work	forms of control															
						lectures	laboratory	practical				exam	credit		lectures	laboratory	practical				exam	credit														
1	Pharmaceutical Chemistry	4.00	120	120	120	90	20		70	30				E	0	0																				Pharmaceutical Chemistry
2	Clinical Pharmacy and Pharmaceutical Care	6.00	180	180	90	60	20		40	30				c	90	36	0		36	54														c	Clinical Pharmacy	
3	Drug Technology	6.00	180	180	90	60	20		40	30				c	90	36	0		36	54														E	Pharmacy	
4	Pharmaceutical Management and Marketing	3.00	90	90											90	46	10		36	44														c	Social Medicine	
5	Pharmaceutical and Medical Commodity	4.00	120	120											120	50	18		32	70														c	Pharmacy	
6	Toxicologic and Forensic Chemistry	4.00	120	120										dc	120	90	18		72	30														c	Pharmaceutical Chemistry	
7	Pharmacotherapy with Pharmacokinetics	3.00	90	90	90	40	10		30	50				dc																					Clinical Pharmacy	
8	Organization and Economics of Pharmacy	6.00	180	180	180	100	30		70	80				E																					Pharmacy	
9	Pharmacoeconomics	3.00	90	90	90	30	6		24	60				dc	0	0																			Social Medicine	
10	Pharmacognosy	4.00	120	120	120	80	12		68	40				E	0	0																			Pharmaceutical Chemistry	
11	Labour Protection and Labour protection in Pharmacy	3.00	90	90	90	40	10		30	50				c																					Hygiene	
12	Medical Toxicology	3.00	90	90											90	40	10		30	50														dc	Clinical Pharmacy	
13	Elective Course: Pharm. Representative's Coaching	2.00	60	60	0	0									60	30			30	30														c	Pharmacy	
14	Elective Course: Parfums and Cosmetics	2.00	60	60	60	26	8		18	34				c																					Pharmacy	
15	Educational Practice in Drug Technology	3.00	90	90	0	0									90	30			30	60															dc	Pharmacy
16	Practice in Pharmaceutical Drug Technology (summer)	5.00	150	150																																
	Total	61.00	1680	1680	930	526	136	0	390	404	0	0	0	0	750	358	56	0	302	392	0	0														

№ 3/n	practice	Amount of weeks	Amount of hours	forms of control
	Practice in Pharmaceutical Drug Technology	3	150	dc

"__"_____" 20__ Head of Academic Department _____ prof. Fomina L.V.

Approve

Vice-Rector for Academic Work

_____ prof. Gaminsky Y.Y.
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National Pirogov Memorial Medical University
 (full title of university)

Curriculum for 2019/2020 academic year
 Specialty 1202 Pharmacy 7.12020101 "Pharmacy"
 (specialty)

FIFTH YEAR (FOREIGN STUDENTS)

according to order of MPH on 24.03 2015

Course	September	October	November	December	January	February	March	April	May	June	July	August
1	1	2	3	4	5	6	7	8	9	10	11	12
2	13	14	15	16	17	18	19	20	21	22	23	24
3	25	26	27	28	29	30	31	1	2	3	4	5
4	6	7	8	9	10	11	12	13	14	15	16	17
5	18	19	20	21	22	23	24	25	26	27	28	29
6	30	31	1	2	3	4	5	6	7	8	9	10
7	11	12	13	14	15	16	17	18	19	20	21	22
8	23	24	25	26	27	28	29	30	31	1	2	3
9	4	5	6	7	8	9	10	11	12	13	14	15
10	16	17	18	19	20	21	22	23	24	25	26	27
11	28	29	30	31	1	2	3	4	5	6	7	8
12	9	10	11	12	13	14	15	16	17	18	19	20
13	21	22	23	24	25	26	27	28	29	30	31	1

Definitions: T – theory; C – exams session; II – practice; K – holidays; JE – state examinations;

№	Names of subjects	Amount of ECTS credit	Amount of hours		IX semester 19 academic weeks										X semester 13 academic weeks					Department			
			According to the Curriculum	actually allocated	total	among them class including			individual work	course work, projects	calculation work	forms of control		total	among them class including			individual work	course work, projects		calculation work	forms of control	
						lectures	laboratory	practical				exam	credit		lectures	laboratory	practical					exam	credit
1	Biopharmacy	2.00	60	60	60	20	4	16	40					dc								Clinical Pharmacy	
2	Labour Protection in Pharmacy	1.50	45	45	45	16	8	8	29					c								Hygiene	
3	Manegement and Marketing in Pharmacy	4.00	120	120	120	54	18	36	66					E								Social Medicine	
4	Patent Science	1.50	45	45	45	16	8	8	29					dc								Hygiene	
5	Clinacal Pharmacy	6.00	180	180	180	120	30	90	60					E								Clinical Pharmacy	
6	Pharmaceutical Law	3.00	90	90										90	50	20	30	40				c	Pharmacy
7	Toxicologic Chemistry	4.00	120	120	120	46	8	38	74					E								Pharmaceutical Chemistry	
8	Medicinal Plants Resource Studies	3.00	90	90	90	40	8	32	50					dc								Pharmaceutical Chemistry	
9	Drug Standartization	2.00	60	60										60	40	10	30	20				dc	Pharmaceutical Chemistry
10	Medical and Pharmaceutical Commodity	2.00	60	60	60	40	16	24	20					dc								Pharmacy	
11	Medicinal Cosmetic Technology	3.00	90	90										90	60	20	40	30				dc	Pharmacy
12	Appropriate Practices in Pharmacy	3.00	90	90	90	60	24	36	30					dc									Pharmaceutical Chemistry
13	<u>Specialization:</u> Remedies	1.00	30	30										30	22	10	12	8				dc	Pharmacy
14	Clinical Drug Trials	1.00	30	30	30	18	8	10	12					dc									Clinical Pharmacy
15	Financial and Managing Activity Analysis of Pharmaceutical Enterprises	1.00	30	30										30	22	10	12	8				dc	Pharmacy
16	Homeopathic Drug Technology	1.00	30	30										30	22	10	12	8				dc	Pharmacy
17	Medicinal Plants and Phytotherapy	1.00	30	30										30	22	10	12	8				dc	Pharmaceutical Chemistry
18	Drugs' Quality Control	1.00	30	30	30	16	4	12	14					dc	0	0							Pharmaceutical Chemistry
19	<u>Elective Course</u> : Drug Toxicity and Pharmacokinetics	1.50	45	45	45	28	28		17					c	0	0							Clinical Pharmacy
20	Practical Training in Pharmaceutical Chemistry	4.50	135	135	120	42	4	38	78					15	10		10	5				dc	Pharmaceutical Chemistry
21	Practice in Organization and Economics of Pharmacy	4.50	135	135	0	0								135	40		40	95				dc	Pharmacy
22	Clinical Practice (Specialization)	2.50	75	75	45	36		36	9					c	30	24	24	6				dc	Pharmacy
23	<u>Elective Course</u> : Technology of Manufacturing Medicine in Field Conditions and Organization of Pharmaceutical Provision of Population in Emergency Situations	2.00	60	60										60	36	10	26	24				c	Pharmacy
Total		51.5	1545	1545	1035	516	168	0	348	528	0	0	0	510	288	90	0	248	252	0	0		

№	practise	Amount of weeks	Amount of hours	form of control
1	Practical Training in Clinical Pharmacy	1	60	dc
2	Practical Training in Management and Marketing	1	90	dc
3				

Title	Semester
SLE STEP-2	10
Pharmaceutical Chemistry	
Pharmacognosy	
Drug Technology	10
Clinical Pharmacy	
Management and Economics of Pharmacy	

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Head of Academic Department _____ prof. Fomina L.V.