

Ministry of Health of Ukraine

Form № H-3.01

IVAN HORBACHEVSKY TERNOPIL NATIONAL MEDICAL UNIVERSITY OF THE MINISTRY OF HEALTH OF UKRAINE

Qualification Master of Pharmacy, Pharmacist

(title)

Term of study 4 years 10 months

(years and months)

based on complete general secondary education

(noted level of higher education)



A. Shulhai
(surname and initials)

20 20

EDUCATIONAL PLAN

Master

(title of higher education)

22 Health care

(code and title of the branch)

226 Pharmacy, industrial pharmacy

(code and title of specialty)

preparation
Branch of knowledge

specialty

specialization

(title of specialization)

Form of education

full-time

(full-time, evening time, correspondence (remote), externship)

I. SCHEDULE OF THE EDUCATIONAL PROCESS

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
I	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	E	E	H	H	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	E	E	E	H	H	H	H	H	H	H	H	H	H	
II	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	E	E	H	H	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	E	E	E	H	H	H	H	H	H	H	H	H	H	
III	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	E	E	H	H	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	E	A	E	H	H	H	H	H	H	H	H	H	H	
IV	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	E	E	H	H	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	E	E	H	H	H	H	H	H	H	H	H	H	H		
V	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	E	E	E	H	H	H	T	T	T	T	T	T	P	P	P	P	P	P	P	P	P	P	E	E	A	A	A	A								

Marking: T – theoretical education; E – examination session; P – practice; H – holidays; A – attestation

II. SUMMARY OF TIME BUDGET, weeks

Year	Theoretical education	Examination session	Practice	Execution of the diploma project	State attestation	Holidays	Total
I	35	5				12	52
II	34	5				13	52
III	35	4			1	12	52
IV	34	4				14	52
V	21	5	9		4	3	42
Total	159	23	9		5	54	250

III. PRACTICE

Title of practice	Semester	Weeks
First aid with introductory medical practice	3/4	3
Training practice in pharmaceutical Botany	4	2
Training practice in pharmacognosy	8	2
Internship from specialization, elective	10	9

IV. ATTESTATION

Назва навчальної дисципліни	Form of Attestation (examination, diploma project)	Semestr
USQE, Stage 1: Unified Test exam Krok 1; Professional English exam	Examination	6
USQE, Stage 2: Unified Test exam Krok 2	Attestation of graduates, master's thesis	10

V. PLAN OF THE EDUCATIONAL PROGRAM

Code from EP	NAME OF EDUCATIONAL DISCIPLINE	Distribution by semesters				Number of ECTS credits	Number of hours						Distribution of hours per week by years and semesters													
		examinations	credits/diff. credits	term/semester			The total amount	classroom			independent work	Year I	Year II	Year III	Year IV	Year 5										
				projects	papers			total	including			semesters														
									lectures	seminars		practical classes	1	2	3	4	5	6	7	8	9	10				
												number of weeks per semester														
										15	20	15	19	15	20	15	19	14	16							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
1. NORMATIVE EDUCATIONAL DISCIPLINES																										
1.1. Cycle of general training disciplines																										
RC 1.	Human Anatomy and Physiology		1 / 2			5,00	150	100	32		68	50	40	60												
RC 2.	Analytical Chemistry	4	3 /			8,00	240	150	30		120	90		70	80											
RC 3.	English language		1, 2 /			3,00	90	50			50	40	20	30												
RC 4.	English for Specific Purposes		/ 3			3,00	90	30			30	60			30											
RC 5.	Biology and Fundamentals of Genetics		/ 1			4,00	120	70	20		50	50	70													
RC 6.	Biological physics and physical methods of analysis		1 / 2			4,50	135	80	20		60	55	12	68												
RC 7.	Biological Chemistry	5				6,00	180	100	40		60	80					60	40								
RC 8.	Higher mathematics and statistics		/ 1			3,50	105	70	20		50	35	70													
RC 9.	General and Inorganic Chemistry	2	1 /			7,00	210	110	30		80	100	46	64												
RC 10.	Information Technology in Pharmacy		/ 3			5,00	150	70	10		60	80			30	40										
RC 11.	History of Ukraine and Ukrainian culture		1, 2 /			3,00	90	30	20	10		60	10	20												
RC 12.	Computer modeling in pharmacy		/ 5			3,00	90	40	4		36	50					40									
RC 13.	Latin language	2	1 /			3,00	90	60			60	30	26	34												
RC 14.	Microbiology with the Basics of Immunology	4				5,00	150	86	20		66	64					86									
RC 15.	Organic Chemistry	4	3 /			8,00	240	150	30		120	90			70	80										
RC 16.	Pathological Physiology	4	3 /			5,00	150	80	20		60	70			40	40										
RC 17.	Ukrainian Language (for Professional Purposes)		/ 2			3,00	90	30			30	60		30												
RC 18.	Pharmaceutical Botany	4	3 /			5,00	150	84	14		70	66			42	42										
RC 19.	Physical and Coloidal Chemistry		3 / 4			4,00	120	90	30		60	30			44	46										
RC 20.	Philosophy		/ 1			3,00	90	40	20	20		50	40													
	Total	8	13 / 10			91,00	2730	1520	360	30	1130	1210	334	306	326	414	100	40								

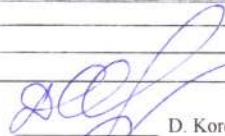
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1.2. Cycle of disciplines of professional training																						
RC 21.	Biopharmaceutics		9 /			3,00	90	40	10		30	50									40	
RC 22.	Introduction to pharmacy		1 /			3,00	90	60	20	20	20	30	60									
RC 23.	Hygiene in pharmacy		4 /			3,00	90	40	10		30	50				40						
RC 24.	Ethics and Deontology in Pharmacy		2 /			3,00	90	40	10	30		50		40								
RC 25.	Extreme Medicine		6 /			3,00	90	30	10		20	60						30				
RC 26.	Clinical Pharmacy and Pharmaceutical Care	9	8 /			9,00	270	156	30		126	114								104	52	
RC 27.	Clinical Pharmacology and Toxicology		7 /			3,00	90	40	10		30	50								40		
RC 28.	Organization and economy in pharmacy	8	7 /			6,00	180	120	30		90	60								46	74	
RC 29.	Reserve Officers Training in the branch of knowledge «Healthcare». Specialty «Pharmacy»		5 / 6			3,00	90	50			50	40					20	30				
RC 30.	Resources of Medicinal Plants		9 /			3,00	90	52	10		42	38										52
RC 31.	Standardization of Drugs		9 /			3,00	90	52	10		42	38										52
RC 32.	Pharmaceutical quality systems		10 /			3,00	90	50	20		30	40										50
RC 33.	Social pharmacy		10 /			3,00	90	40	10		30	50										40
RC 34.	Technology of Cosmetic Product		10 /			3,00	90	40	10		30	50										40
RC 35.	Технологія ліків	6, 8	5, 7 /			12,00	360	214	40		174	146					50	60	52	52		
RC 36.	Drugs Technology		7 / 8			4,00	120	92	20		72	28								40	52	
RC 37.	Toxicological and Forensic Chemistry	6	5 /			8,50	255	170	30		140	85					70	100				
RC 38.	Pharmacognosy		7 /			3,00	90	30	6		24	60									30	
RC 39.	Pharmacoeconomics	6	5 /			8,50	255	170	30		140	85					70	100				
RC 40.	Pharmacology	7				3,00	90	40	10		30	50									40	
RC 41.	Drug Therapy with the Basics of Pharmacokinetics		9 /			3,00	90	50	20		30	40										50
RC 42.	Pharmaceutical biotechnology	7, 9	6, 8 / 5			13,00	390	254	50		204	136					50	60	46	46	52	
RC 43.	Pharmaceutical Chemistry		5 /			3,00	90	50	20		30	40								50		
RC 44.	Pharmaceutical law and legislation		7 /			4,00	120	50	20		30	70									50	
RC 45.	Pharmaceutical and Medical commodity	9	8 /			6,00	180	104	20		84	76									52	52
	Total	10	25 / 4			119,00	3570	2034	456	50	1528	1536	60	40		40	260	430	314	410	350	130
	The total amount of credits of required components	18	38 / 14			210,00	6300	3554	816	80	2658	2746	394	346	326	454	360	470	314	410	350	130

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Internship from specialization, elective:		/ 10			25,00	750	252			252	498										252
EB 5.5.	Clinical Pharmacy		/ 10			12,50	375	126			126	249										126
EB 5.6.	Organization and economy in pharmacy		/ 10			12,50	375	126			126	249										126
EB 5.7.	Pharmaceutical technology		/ 10			12,50	375	126			126	249										126
EB 5.8.	Pharmaceutical chemisrty		/ 10			12,50	375	126			126	249										126
	The total amount of credits of elective components		15 / 2			81,00	2430	806	116		690	1624		150	40	40	60	60	72	72		312

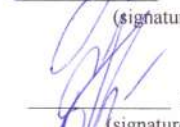
1	Types of health and physical activity		1-3 /			320	60		60		260	14	16	30								
3. TRAINING PRACTICE																						
RC 46.	Training practice in pharmaceutical Botany		/ 4			3,00	90	30			30	60			30							
RC 47.	Training practice in pharmacognosy		/ 8			3,00	90	30		30	60									30		
RC 48.	First aid with introductory medical practice		4 /			3,00	90	50	10		40	40		20	30							
	The total amount		1 / 2			9	270	110	10	30	70	160		20	60					30		

THE TOTAL AMOUNT OF CREDITS OF THE EDUCATIONAL PROGRAM	18	57 / 18				300	9320	4530	942	170	3418	4790	408	512	416	554	420	530	386	512	350	442
Number of hours per week													27	26	28	29	28	27	26	27	25	28
Number of examinations													0	2	0	5	1	3	2	2	3	0
Number of credits / diff. credits													8/3	9/3	7/2	3/2	6/2	4/1	6/1	5/2	4/0	5/2

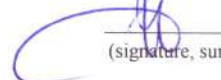
Dean of the faculty of Pharmacy


 D. Korobko
 (signature, surname and initials)

Cuarator of the educational program


 H. Kozyr
 (signature, surname and initials)

Head of the Academic Office


 A. Mashtalir
 (signature, surname and initials)