



MEDICAL ACADEMIC CONSORTIUM

Academic Plan of study

Study Program "Medicine"

Level of Higher education	second (master's) level
Degree of Higher education	master
Field of knowledge	22 Healthcare
Specialty	222 Medicine
Qualification	Master of Medicine. Doctor

CONSIDERED AND APPROVED
at a meeting of the Academic Council of the
University

Protocol №9 dated 03.06.2020

Kharkiv

I Year of study																						
No:	Educational Components		Number		Semester I										Semester II							
			for academic year		ECTS Credits	Total hours	contact hours				self-directed learning	Form of control			ECTS Credits	Total hours	contact hours				self-directed learning	Form of control
	Code	Name	ECTS Credits	Total hours			TOTAL	lectures	seminars	practical		exam	differential credit	credit			TOTAL	lectures	seminars	practical		exam
COMPULSORY EDUCATIONAL COMPONENTS (OK)																						
I. Basic Biomedical Sciences Training																						
1.	OK1	Medical Biology	5,5	165	5,5	165	90	20		70	75	+										
2.	OK2	Medical and Biological Physics	4	120	4	120	80	20		60	40		+									
3.	OK3	Medical Chemistry	4	120	4	120	70	20		50	50		+									
4.	OK4	Bioorganic Chemistry	3	90	3	90	40	10		30	50			+								
5.	OK6	Human Anatomy	11,5	345	5,5	165	82	10		72	83			+	6	180	118	10		108	62	+
6.	OK7	Histology, Cytology and Embryology	7	210											7	210	80	20		60	130	+
II. Social and Behavioural Sciences Training																						
7.	OK5.1	Ukrainian Language (professionally oriented)*	5	150	5	150	40			40	110			+								
	OK5.2	Foreign Language*	5	150											5	150	60			60	90	+
	OK5.3	Ukrainian as a Foreign Language**	10	300	5	150	40			40	110			+	5	150	60			60	90	+
8.	OK8	Safety of Life Activity	1,5	45	1,5	45	20	10	10		25			+								
9.	OK9	Physical Training		160		80	16			16	64			+		80	14			14	66	+
Total for Compulsory Components			46,5	1555	28,5	935	438	90	10	338	497				18	620	272	30		242	348	
OPTIONAL EDUCATIONAL COMPONENTS (BK)																						
II. Social and Behavioural Sciences Training																						
10.	BK 1.1	History of Ukraine and Ukrainian Culture	3	90											3	90	30	20	10		60	+
	BK 1.2	Culturology	3	90											3	90	30	20	10		60	+
11.	BK 2.1	Latin Language	3	90											3	90	70			70	20	+
	BK 2.2	Medical Terminology	3	90											3	90	70			70	20	+
12.	BK 3.1	Philosophy of Pedagogics and Education	3	90											3	90	40	20	20		50	+
	BK 3.2	Philosophy of Communication	3	90											3	90	40	20	20		50	+
13.	BK 4.1	History of Medicine	3	90											3	90	20	10	10		70	+
	BK 4.2	Religions and the Medical Science	3	90											3	90	20	10	10		70	+
14.	BK 5.1	Basics of Bioethics and Biosafety	1,5	45											1,5	45	20	10	10		25	+
	BK 5.2	Medical Deontology	1,5	45											1,5	45	20	10	10		25	+
Total for Optional Components			13,5	405											13,5	405	180	60	50	70	225	
TOTAL:			60	1960	28,5	935	438	90	10	338	497				31,5	1025	452	90	50	312	573	

Note: * - for Ukrainian citizens

** - for international students

II Year of study																									
No:	Educational Components		Number		Semester III										Semester IV										
			for academic year		ECTS Credits	Total hours	contact hours				self-directed learning	Form of control			ECTS Credits	Total hours	contact hours				self-directed learning	Form of control			
	ECTS Credits	Total hours	TOTAL	lectures			seminars	practical	exam	differential credit		credit	TOTAL	lectures			seminars	practical	exam	differential credit		credit			
COMPULSORY EDUCATIONAL COMPONENTS (OK)																									
I. Basic Biomedical Sciences Training																									
1.	OK10	Biological Chemistry	6,5	195	3	90	70	20		50	20			+	3,5	105	60	10		50	45	+			
2.	OK11	Medical Informatics	3,5	105	2	60	30	6		24	30			+	1,5	45	20			20	25		+		
3.	OK6	Human Anatomy	3	90	3	90	60	10		50	30	+													
4.	OK12	Microbiology, Virology and Immunology	5,5	165											5,5	165	90	20		70	75			+	
5.	OK7	Histology, Cytology and Embryology	4,5	135	4,5	135	80	20		60	55	+													
6.	OK13	Physiology	10	300	5	150	86	26		60	64			+	5	150	94	24		70	56	+			
II. Social and Behavioural Sciences Training																									
7.	OK14	Hygiene and Ecology	3	90											3	90	50	20		30	40			+	
8.	OK15	Clinical Anatomy and Operative Surgery	3	90											3	90	40	10		30	50		+		
9.	OK16	Labor Protection in Medicine	3	90	3	90	30	10		20	60			+											
10.	OK9	Physical Training		160		80	16			16	64			+		80	14			14	66			+	
III. Clinical Training																									
11.	OK17	Patient's Care (practical session)	5	150											5	150	30			30	120		+		
		in therapeutic department														50	10			10	40				
		in surgical department														50	10			10	40				
		in department of pediatrics														50	10			10	40				
Total for Compulsory Components:			47	1570	20,5	695	372	92	0	280	323				26,5	875	398	84		314	477				
OPTIONAL EDUCATIONAL COMPONENTS (BK)																									
II. Social and Behavioural Sciences Training																									
12.	BK 6.1	Ukrainian as a Foreign Language*	13	390	8	240	70			70	170			+	5	150	70			70	80			+	
	BK 6.2	Foreign Language (professionally oriented)*	13	390	8	240	70			70	170			+	5	150	70			70	80			+	
	BK 6.3	Culture of Speech	13	390	8	240	70			70	170			+	5	150	70			70	80			+	
Total for Optional Components:			13	390	8	240	70			70	170				5	150	70			70	80				
TOTAL:			60	1960	28,5	935	442	92		350	493				31,5	1025	468	84		384	557				

Note: * - for international students

III Year of study																										
No:	Educational Components		Number		Semester V										Semester VI											
			for academic year		ECTS Credits	Total hours	contact hours				self-directed learning	Form of control			ECTS Credits	Total hours	contact hours				self-directed learning	Form of control				
	Code	Name	ECTS Credits	Total hours			TOTAL	lectures	seminars	practical		exam	differential credit	credit			TOTAL	lectures	seminars	practical		exam	differential credit	credit		
COMPULSORY EDUCATIONAL COMPONENTS (OK)																										
I. Basic Biomedical Sciences Training																										
1.	OK12	Microbiology, Virology and Immunology	3	90	3	90	60	10		50	30	+														
II. Social and Behavioural Sciences Training																										
2.	OK14	Hygiene and Ecology	3	90	3	90	50	10		40	40		+													
3.	OK25	Medical Psychology	3	90	3	90	30	10		20	60			+												
4.	OK26	Social Medicine and Public Health	3	90											3	90	50	20		30	40				+	
III. Clinical Training																										
5.	OK18	Pathomorphology	7	210	3,5	105	56	20		36	49			+	3,5	105	54	20		34	51	+				
6.	OK19	Pathophysiology	7	210	3,5	105	56	20		36	49			+	3,5	105	54	20		34	51	+				
7.	OK20	Pharmacology	7	210	3	90	50	16		34	40			+	4	120	50	14		36	70	+				
8.	OK21	Propedeutics of Internal Medicine	6	180	3	90	52	16		36	38			+	3	90	48	14		34	42		+			
9.	OK22	Propedeutics of Pediatrics	5	150	2,5	75	52	16		36	23			+	2,5	75	48	14		34	27		+			
10.	OK23	General Surgery	6	180	2,5	75	52	16		36	23			+	3,5	105	48	14		34	57		+			
11.	OK24	Radiology	4	120	2	60	40	10		30	20			+	2	60	40	10		30	20		+			
12.	OK27	Nursing Practice	3	90											3	90	30			30	60		+			
		trehapeutic patients														30	10			10	20					
		surgical patients														30	10			10	20					
		infant patients														30	10			10	20					
Total for Compulsory Components:			57	1710	29	870	498	144		354	372				28	840	422	126		296	418					
OPTIONAL EDUCATIONAL COMPONENTS (BK)																										
II. Social and Behavioural Sciences Training																										
13.	BK 6.1	Ukrainian as a Foreign Language *	3	90	1	30	10			10	20			+	2	60	10			10	50				+	
	BK 6.2	Foreign Language (professionally oriented)	3	90	1	30	10			10	20			+	2	60	10			10	50				+	
	BK 6.3	Culture of Speech	3	90	1	30	10			10	20			+	2	60	10			10	50				+	
Total for Optional Components			3	90	1	30	10			10	20				2	60	10			10	50					
TOTAL:			60	1800	30	900	508	144		364	392				30	900	432	126		306	468					

Note: * - for international students

IV Year of study																							
No:	Educational Components		Number		Semester VII										Semester VIII								
			for academic year		ECTS Credits	Total hours	contact hours				self-directed learning	Form of control		ECTS Credits	Total hours	contact hours				self-directed learning	Form of control		
	ECTS Credits	Total hours	TOTAL	lectures			seminars	practical	exam	differential credit		credit	TOTAL			lectures	seminars	practical	exam		differential credit	credit	
COMPULSORY EDUCATIONAL COMPONENTS (OK)																							
III. Clinical Training																							
1.	OK28	Internal Medicine	5	150	2,5	75	70	10		60	5			+	2,5	75	60	20		40	15		+
2.	OK29	Endocrinology	2	60	2	60	40	10		30	20			+									
3.	OK30	Medical Genetics	1	30	1	30	20			20	10			+									
4.	OK31	Pediatrics	4,5	135	2,5	75	40	10		30	35			+	2	60	40			40	20		+
5.	OK32	Surgery / Pediatric Surgery	4,5	135	2,5	75	40	6		34	35			+	2	60	40	4		36	20		+
6.	OK33	Obstetrics and Gynecology	3	90											3	90	50	10		40	40		+
7.	OK34	Neurology	4	120	2,5	75	44	10		34	31			+	1,5	45	36			36	9	+	
8.	OK35	Urology	1	30											1	30	16	2		14	14		+
9.	OK36	Otorhynolaryngology	3	90	3	90	40	6		34	50		+										
10.	OK37	Ophthalmology	3	90	3	90	40	6		34	50		+										
11.	OK38	Psychiatry and Narcology	1	30											1	30	20	2		18	10		+
12.	OK39	Dermatology and Venereology	3	90	3	90	40	6		34	50		+										
13.	OK40	Epidemiology and Principles of Evidence-Based Medicine	3	90											3	90	50	10		40	40		+
14.	OK41	Inpatient Clinical Clerkship	5	150											5	150				150		+	
Total for Compulsory Components:			43	1290	22	660	374	64		310	286				21	630	312	48		264	318		
OPTIONAL EDUCATIONAL COMPONENTS (BK)																							
II. Social and Behavioural Sciences Training																							
15	BK 6.1	Ukrainian as a Foreign Language	2	60	2	60	10			10	50			+									
	BK 6.2	Foreign Language (professionally oriented)	2	60	2	60	10			10	50			+									
	BK 6.3	Culture of Speech	2	60	2	60	10			10	50			+									
16.	BK 7.1	Forensic Medicine. Ukrainian Medical Legislation	3	90											3	90	30	10		20	60		+
	BK 7.2	Legal Aspects of Forensic Medicine	3	90											3	90	30	10		20	60		+
17.	BK 8.1	Topical Issues of Social Medicine	3	90	3	90	30	10		20	60		+										
	BK 8.2	Health Economics and Social Medicine	3	90	3	90	30	10		20	60		+										
III. Clinical Training																							
18.	BK 9.1	Physical Rehabilitation and Sports Medicine	3	90											3	90	20	10		10	70		+
	BK 9.2	Ergotherapy and Kinesiotherapy	3	90											3	90	20	10		10	70		+
19.	BK 10.1	Palliative and Hospice Medicine	2	60	2	60	10			10	50			+									
	BK 10.2	Gerontological aspects in Palliative and Hospice Medicine	2	60	2	60	10			10	50			+									
20.	BK 11.1	Fundamentals of Urology	2	60											2	60	21	6		15	39		+
	BK 11.2	Fundamentals of Transplantology in Urology	2	60											2	60	21	6		15	39		+
21.	BK 12.1	Fundamentals of Narcology	2	60											2	60	21	6		15	39		+
	BK 12.2	Fundamentals of Sexology and Sexopathology	2	60											2	60	21	6		15	39		+
Total for Optional Components			17	510	7	210	50	10		40	160				10	300	92	32		60	208		
TOTAL:			60	1800	29	870	424	74		350	446				31	930	404	80		324	526		

V Year of study																								
No:	Educational Components		Number		Semester IX										Semester X									
			for academic year		ECTS Credits	Total hours	contact hours				self-directed learning	Form of control			ECTS Credits	Total hours	contact hours				self-directed learning	Form of control		
	Code	Name	ECTS Credits	Total hours			TOTAL	lectures	seminars	practical		exam	differential credit	credit			TOTAL	lectures	seminars	practical		exam	differential credit	credit
COMPULSORY EDUCATIONAL COMPONENTS (OK)																								
III. Clinical Training																								
1.	OK28	Internal Medicine	2,5	75	2,5	75	60	10		50	15		+											
2.	OK42	Clinical Immunology and Allergology	2,5	75	2,5	75	40	6		34	35		+											
3.	OK43	Clinical Pharmacology	1	30											1	30	20				20	10		+
4.	OK44	Occupational Diseases	1,5	45											1,5	45	20	4			16	25		+
5.	OK45	Oncology	1	30	1	30	10	2		8	20		+		1	30	14	4			10	16		+
6.	OK46	Radiation Medicine	1	30											1	30	14	4			10	16		+
7.	OK32	Surgery / Pediatric Surgery	3	90	2	60	26	6		20	34		+	1	30	10				10	20	+		
9.	OK47	Neurosurgery	0,5	15	0,5	15	10	2		8	5		+											
10.	OK48	Infectious Diseases	2,5	75	2	60	60	10		50	0		+	0,5	15	10				10	5		+	
11.	OK31	Pediatrics	2,5	75	2	60	30	6		24	30		+	0,5	15	10				10	5		+	
12.	OK49	Pediatric Infectious Diseases	0,5	15										0,5	15	10	4			6	5		+	
13.	OK33	Obstetrics and Gynecology	3	90	2	60	40	10		30	20		+	1	30	16				16	14		+	
14.	OK50	Phthisiology	3	90	3	90	40	10		30	50		+											
15.	OK51	Anaesthesiology and Intensive Therapy	3	90	3	90	50	10		40	40		+											
16.	OK52	Emergency Medical Aid	3	90	3	90	30	4		26	60		+											
17.	OK53	Outpatient Clinical Clerkship	5	150										5	150						150		+	
		Total for Compulsory Components:	35,5	1065	23,5	705	396	76		320	309			12	360	110	12		98	250				
OPTIONAL EDUCATIONAL COMPONENTS (BK)																								
III. Clinical Training																								
18.	BK 13.1	Surgery / Pediatric Cardiac Surgery	5	150										5	150	75	15			60	75		+	
	BK 13.2	Vascular Surgery	5	150										5	150	75	15			60	75		+	
19.	BK 14.1	Clinical Oncology	3	90										3	90	40	10			30	50		+	
	BK 14.2	Oncohematology	3	90										3	90	40	10			30	50		+	
20.	BK 15.1	Internal Medicine / Side effects of Medications	3,5	105										3,5	105	40	10			30	65		+	
	BK 15.2	Modern Endoscopic Technologies	3,5	105										3,5	105	40	10			30	65		+	
21.	BK 16.1	Pediatrics and Specialized Learning of Pediatric Pulmonology	3	90	1,5	45	20	5		15	25		+	1,5	45	20	5			15	25		+	
	BK 16.2	Pediatric Nephrology	3	90	1,5	45	20	5		15	25		+	1,5	45	20	5			15	25		+	
22.	BK 17.1	Training of Reserve Officers (Specialty "Medicine")*	3	90										3	90	40				40	50		+	
	BK 17.2	Psychosocial Rehabilitation after Combat Operations	3	90										3	90	40				40	50		+	
	BK 17.3	Public Health in Biomedical Sciences	3	90										3	90	40				40	50		+	
	BK 17.4	Fundamentals of Dentistry	3	90										3	90	40				40	50		+	
23.	BK 18.1	Obstetrics and Gynecology with specialized learning of Genetic Disorders	2	60										2	60	40	10			30	20		+	
	BK 18.2	Biomedical aspects of Reproductology	2	60										2	60	40	10			30	20		+	
24.	BK 19.1	Traumatology and Orthopedics	3	90	3	90	40	10		30	50		+											
	BK 19.2	Traumatology, Ortopedics and Rehabilitation	3	90	3	90	40	10		30	50		+											
25.	BK 20.1	Infectious Diseases / Pediatric Viral Diseases	2	60	2	60	40	10		30	20		+											
	BK 20.2	Prevention and Control of Infectious Diseases	2	60	2	60	40	10		30	20		+											
		Total for Optional Components:	24,5	735	6,5	195	100	25		75	95			18	540	255	50			205	285			
		TOTAL:	60	1800	30	900	496	101		395	404			30	900	365	62			303	535			

Note: * - for Ukrainian citizens

VI Year of study																								
No:	Educational Components		Number		Semester XI										Semester XII									
			for academic year		ECTS Credits	Total hours	contact hours			self-directed learning	Form of control			ECTS Credits	Total hours	contact hours				self-directed learning	Form of control			
	Code	Name	ECTS Credits	Total hours			TOTAL	lectures	seminars		practical	exam	differential credit			credit	TOTAL	lectures	seminars		practical	exam	differential credit	credit
COMPULSORY EDUCATIONAL COMPONENTS (OK)																								
II. Social and Behavioural Sciences Training																								
1.	OK14	Hygiene and Ecology	3	90	3	90	40			40	50		+											
2.	OK26	Social Medicine and Public Health	3	90	3	90	40			40	50	+												
III. Clinical Training																								
3.	OK28	Internal Medicine	10	300	5	150	70			70	80			+	5	150	70			70	80		+	
4.	OK32	Surgery / Pediatric Surgery	7,5	225											7,5	225	100			100	125		+	
5.	OK54	Pulmonology	3	90	3	90	40			40	50		+											
6.	OK31	Pediatrics	3	90						40	50				3	90	80			80	10		+	
7.	OK49	Pediatric Infectious Diseases	2,5	75	2,5	75	40			40	35			+										
8.	OK33	Obstetrics and Gynecology	4,5	135											4,5	135	60			60	75		+	
9.	OK55	General Practice (Family Medicine)	4,5	135											4,5	135	60			60	75		+	
		Total for Compulsory Components:	41	1230	16,5	495	230			230	265				24,5	735	370			370	365			
OPTIONAL EDUCATIONAL COMPONENTS (BK)																								
II. Social and Behavioural Sciences Training																								
10.	BK 24.1	Role of Public Health System during a Pandemic	4	120	4	120	50			50	70			+										
III. Clinical Training																								
11.	BK 21.1	Internal Medicine with specialized learning of Cardiology	4,5	135	4,5	135	100			100	35		+											
	BK 21.2	Internal Medicine with specialized learning of Pulmonology	4,5	135	4,5	135	100			100	35		+											
12.	BK 22.1	Pediatric Gastroenterology	5	150	5	150	60			60	90			+										
	BK 22.2	Pediatric Allergology	5	150	5	150	60			60	90			+										
13.	BK 23.1	Emergency Thoraco-Abdominal Surgery	5,5	165											5,5	165	50			50	115		+	
	BK 23.2	Neurosurgical issues of Cerebrovascular Pathology	5,5	165											5,5	165	50			50	115		+	
14.	BK 24.2	Parasitic Infections among Children	4	120	4	120	50			50	70			+										
		Total for Optional Components:	19	570	13,5	405	210			210	195				5,5	165	50	0	0	50	115			
		TOTAL:	60	1800	30	900	440			440	460				30	900	420			420	480			

Clinical Rotation