

**OF THE MINISTRY OF HEALTH OF UKRAINE**

# Curriculum

## Specialty 222 «Medicine» 1-st year of study

Academic disciplines	Number of credits	Number of academic hours					I semester						II semester					
		Number of academic hours	Lectures	Seminars	Practical classes	Students individual work				Students individual work	Forms of control					Students individual work	Forms of control	
							Including				Exam	Credit/ diff. credit	Including				Exam	Credit/ diff. credit
							Lectures	Seminars	Practical classes				Lectures	Seminars	Practical classes			
Ukrainian as a foreign language	6	180			80	100			10	10		pass			70	90		pass
Latin and medical terminology	3	90			70	20			30	10		pass			40	10		/*
History of Ukraine and Ukrainian culture	3	90	20	10		60	20	10		60		*/						
Philosophy	3	90	20	20		50							20	20		50		/*
Medical biology	5	150	36		54	60	18		26	20		pass	18		28	40	*	
Medical physics with medical informatics and biostatistics	6	180	40		84	56	18		34	24		pass	22		50	32		*/
Medical physics	4	120	26		52	42	12		26	20		pass	14		26	22		*/
Medical informatics and biostatistics	2	60	14		32	14	6		8	4			8		24	10		
Biological and bioorganic chemistry	3	90	14		26	50							14		26	50		pass
Medical chemistry	4	120	22		42	56	22		42	56	*							
Human anatomy	11	330	56		124	150	28		62	75		pass	28		62	75		pass
Histology, cytology and embryology	7	210	20		64	126							20		64	126		pass
Elective courses:	9	270			60	210												

<b>Law</b>	<b>3</b>	<b>90</b>			20	<b>70</b>									20	70		<b>*/</b>
<b>Biology of individual development</b>	<b>3</b>	<b>90</b>			20	<b>70</b>									20	70		<b>*/</b>
<b>Applied Chemistry in Medicine</b>	<b>3</b>	<b>90</b>			20	<b>70</b>									20	70		<b>*/</b>
<b>History of Medicine</b>	<b>3</b>	<b>90</b>			20	<b>70</b>									20	70		<b>*/</b>
<b>Academic writing</b>	<b>3</b>	<b>90</b>			20	<b>70</b>									20	70		<b>*/</b>
<b>Fundamentals of medical terminology</b>	<b>3</b>	<b>90</b>			20	<b>70</b>									20	70		<b>*/</b>
<b>Physical Education</b>		<b>160</b>		30		<b>130</b>		14		60		<b>pass</b>		16		70		<b>pass</b>
<b>Total</b>	<b>66</b>	<b>1980</b>	<b>268</b>	<b>30</b>	<b>688</b>	<b>994</b>	<b>124</b>	<b>10</b>	<b>238</b>	<b>279</b>	<b>0</b>	<b>0</b>	<b>144</b>	<b>20</b>	<b>390</b>	<b>505</b>		

**NOTE: To complete the curriculum, the student must choose 3 (three) elective courses (9 credits)**

pass - ;      \*/ - credit;      /\* - pass with grade;      \* - exam

# I. HORBACHEVSKY TERNOPIL NATIONAL MEDICAL UNIVERSITY

## Curriculum

Specialty 222 "Medicine" 2 year of study

Academic disciplines	Credits	Academic hours					I semester						II semester					
		Total	Lectures	Seminars	Practical classes	Students individual work				Individual work	Forms of control					Individual work	Forms of control	
							Including						Including					
							Lectures	Seminars	Practical classes		Exam	Credit/ diff.credit	Lectures	Seminars	Practical classe		Exam	Credit/ diff.credit
Foreign language (for professional purposes )	3	90			70	20			52	15		pass			18	5		/*
Ukrainian language as foreign (for international students)	4.3	130			90	40			56	34		pass			34	10		/*
Human anatomy	3	90	20		30	40	20		30	40	*							
Hystology, Cytology, Embriology	4.5	135	24		40	71	24		40	71	*							
Physiology	10	300	62		110	128	20		52	60		pass	42		58	68	*	
Biological and Bioorganic chemistry	6.5	195	40		90	65	20		40	30		pass	20		50	35	*	
Microbiology, Virology and Immunology	5	150	30		60	60							30		60	60		pass
Clinical anatomy and Operative surgery	2	60	10		40	10							10		40	10		pass
Molecular biology with medical genetics	3	90	20		12	58	10		6	29		pass	10		6	29		*/
Premedical aid in extremal situations	1.5	45			30	15						pass			30	15		pass

Hygiene and ecology	3	90	20		40	30							20		40	30		pass
Patient Care (practical training)	5	150			42	108									42	108		/*
Block 1: - in surgery																		
<i>Patient care (practice) in surgery</i>	2	60			14	46									14	46		/*
<i>Patient care (practice) in internal medicine</i>	1	30			10	20									10	20		
<i>Patient care (practice) in pediatrics</i>	1	30			10	20									10	10		
<i>Communicative competencies</i>	1	30			8	22									8	22		
Block 2: - in internal medicine																		
<i>Patient care (practice) in internal medicine</i>	2	60			14	46									14	46		/*
<i>Patient care (practice) in surgery</i>	1	30			10	20									10	20		
<i>Patient care (practice) in pediatrics</i>	1	30			10	20									10	20		
<i>Communicative competencies</i>	1	30			8	22									8	22		
Block 3: - in pediatrics																		
<i>Patient care (practice) in pediatrics</i>	2	60			14	46									14	46		/*
<i>Patient care (practice) in surgery</i>	1	30			10	20									10	20		
<i>Patient care (practice) in internal medicine</i>	1	30			10	20									10	20		
<i>Communicative competencies</i>	1	30			8	22									8	22		
Elective course:	9	270			60	210												
Basics of Sociological Research	3	90			20	70			10	35		pass			10	35		*/
English medical terminology	3	90			20	70			10	35		pass			10	35		*/
Medical embriology	3	90			20	70			10	35		pass			10	35		*/
Basis of communication skills	3	90			20	70			10	35		pass			10	35		*/
The legal status of subjects of medical-legal relations	3	90			20	70			10	35		pass			10	35		*/
Medical ethics	3	90			20	70			10	35		pass			10	35		*/

Bioethics of preclinical and clinical research	3	90			20	70			10	35		pass			10	35		*/
Physical training		160		30		130		14		60		pass		16		70		*/
Total	54.0	1780.0	226.0	30.0	594.0	930.0	94.0	14.0	220.0	305.0			132.0	16.0	314.0	415.0		

**NOTE: To complete the curriculum, the student must choose 3 (three) elective courses (9 credits) and Patient Care (practice) 5 (five) credits.**

pass - ;      \*/ - credit;      /\* - differential credit;      \* - exam

**I. HORBACHEVSKY TERNOPIL NATIONAL MEDICAL UNIVERSITY  
OF THE MINISTRY OF HEALTH OF UKRAINE**

**Curriculum**

**Specialty 222 "Medicine" 3-rd year of study**

List of Academic Subjects	Credits	Academic hours					I semester						II semester					
		Number of academic hours	Lectures	Seminars	Practical classes	Students individual work				Students individual work	Forms of control					Students individual work	Forms of control	
							Including						Including					
							Lectures	Seminars	Practical classes		Exam	Credit/d. credit	Lectures	Seminars	Practical classes		Exam	Credit/d. credit
Microbiology, Virology and Immunology	3	90	16		36	38	16		36	38	*							
Pathomorphology	6.5	195	40		70	85	20		28	30		pass	20		42	55	*	
Pathophysiology	6.5	195	40		70	85	20		28	30		pass	20		42	55	*	
Pharmacology	6.5	195	30		70	95	14		28	40		pass	16		42	55	*	
Hygiene and Ecology	2	60	10		30	20	10		30	20		/*						
Social Medicine, Public Health	3	90	10		40	40							10		40	40		pass
Propedeutics of Internal Medicine	6	180	30		70	80	16		30	40		pass	14		40	40		/*
Propedeutics of Pediatrics	5	150	30		70	50	14		30	20		pass	16		40	30		/*
General Surgery	5.5	165	30		64	71	12		30	30		pass	18		34	41		/*
Radiology	4	120	24		52	44	12		20	20		pass	12		32	24		/*
Medical Psychology	3	90	10		18	62							10		18	62		*/

Clinical Anatomy and Operative Surgery	1	30			12	18			12	18		/*						
Nursing Practical Training:	3	90			34	56			34	56		/*						
Block 1: - in Surgery																		
Nursing Practice in Surgery	2	60			14	46			14	46		/*						
Nursing Practice in Pediatrics	0.5	15			10	5			10	5								
Nursing Practice in Internal Medicine	0.5	15			10	5			10	5								
Block 1: - in Pediatrics																		
Nursing Practice in Pediatrics	2	60			14	46			14	46		/*						
Nursing Practice in Surgery	0.5	15			10	5			10	5								
Nursing Practice in Internal Medicine	0.5	15			10	5			10	5								
Block 3: - in Internal Medicine																		
Nursing Practice in Internal Medicine	2	60			14	46			14	46		/*						
Nursing Practice in Pediatrics	0.5	15			10	5			10	5								
Nursing Practice in Surgery	0.5	15			10	5			10	5								
Elective courses:	6	180			40	140												
English medical terminology	3	90			20	70			10	35		pass			10	35		*/

<b>Clinical Biochemistry</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>Cell technology in medicine</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>The Basics of Electrocardiography</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>Basics of muscular testing and electromyography</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>Essentials of clinical and laboratory diagnostics</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>Human microbial ecology</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>Culture of medical professional language and communication</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>The professional medical communication between a doctor and a patient</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>Basics of childhood nutrition</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>Psychophysiology</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>Physiological basis of cosmetology</b>	<b>3</b>	<b>90</b>			<b>20</b>	<b>70</b>			<b>10</b>	<b>35</b>		<b>pass</b>			<b>10</b>	<b>35</b>		<b>*/</b>
<b>USCE 1</b>		<b>30</b>				<b>30</b>										<b>30</b>		
<b>Total</b>	<b>61.0</b>	<b>1860.0</b>	<b>270.0</b>		<b>676.0</b>	<b>884.0</b>	<b>134</b>	<b>0</b>	<b>326</b>	<b>482</b>	<b>0</b>	<b>0</b>	<b>136</b>	<b>0</b>	<b>350</b>	<b>402</b>		

**NOTE: To complete the curriculum, the student must choose 2 elective courses (6 credits) and Nursing practice (3 credits).**

pass - ;      \*/ - credit;      /\* - differential credit;      \* - exam



**I. HORBACHEVSKY TERNOPIL NATIONAL MEDICAL UNIVERSITY  
OF THE MINISTRY OF HEALTH OF UKRAINE**

**Curriculum  
Specialty 222 «Medicine»  
4-th year of study**

Academic disciplines	Number of credits	Number of academic hours					I semester						II semester					
		Number of academic hours	Lectures	Seminars	Practical classes	Students individual work				Students individual work	Forms of control					Students individual work	Forms of control	
							Including						Including					
							Lectures	Seminars	Practical classes		Exam	Credit/ diff.	Lectures	Seminars	Practical classes		Exam	Credit/ diff.
Internal medicine with Endocrinology	8	240	46		114	80	24		54	35		pas s	22		60	45	*	
Pediatrics	4,5	135	20		72	43	10		36	21		pas s	10		36	22	*	
Surgery	4,5	135	20		60	55	10		30	27		pas s	10		30	28	*	
Obstetrics and Gynecology	3	90	24		30	36							24		30	36		pas s
Social Medicine, Public Health	3	90	10		30	50	10		30	50		/*						
Urology	3	90	10		30	50	10		30	50		/*						
Otorhynolaryngology	3	90	10		30	50							10		30	50		/*
Ophthalmology	3	90	10		30	50	10		30	50		/*						
Neurology	4	120	14		66	40	8		30	20		pas s	6		36	20	*	
Psychiatry, Narcology	3	90	18		42	30	8		18	10		pas s	10		24	20		/*

Dermatology, Venerology	3	90	10		30	50	10		30	50		/*						
Physical Rehabilitation, Sports Medicine	3	90	12		24	54							12		24	54		/*
Forensic Medicine. Medical Law of Ukraine	3	90	16		42	32												
Forensic Medicine	2	60	10		30	20	6		18	10		pas s	4		12	10		*/
Medical Law of Ukraine	1	30	6		12	12							6		12	12		
Elective course:	6	180			40	140												
Actual diagnosis questions (endoscopy)	3	90			20	70			10	35		pas s			10	35		*/
Biopsy diagnostics	3	90			20	70			10	35		pas s			10	35		*/
Features of internal organs diseases in the elderly	3	90			20	70			10	35		pas s			10	35		*/
Practical Dietetics. Typological features of human nutrition	3	90			20	70			10	35		pas s			10	35		*/
Communication in healthcare	3	90			20	70			10	35		pas s			10	35		*/
Planing of the Family. Contraception.	3	90			20	70			10	35		pas s			10	35		*/
Topical issues of minimally invasive surgical technologies	3	90			20	70			10	35		pas s			10	35		*/
Prophylactic Medicine	3	90			20	70			10	35		pas s			10	35		*/
Human reproduction	3	90			20	70			10	35		pas s			10	35		*/

<b>Tropical Medicine</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>pas s</b>			10	35		<b>*/</b>
<b>Medical Internship</b>	<b>5</b>	<b>150</b>		40		<b>110</b>								40		110		<b>/*</b>
<b>Total</b>	<b>59, 0</b>	<b>1770, 0</b>	<b>220, 0</b>	<b>40, 0</b>	<b>640, 0</b>	<b>870, 0</b>	<b>100, 0</b>		<b>288, 0</b>	<b>313, 0</b>			<b>104, 0</b>	<b>40, 0</b>	<b>270, 0</b>	<b>385, 0</b>		

**NOTE: To complete the curriculum, the student must choose 4 elective courses (12 credits)**

pass - ;      \*/ - credit;      /\* - differential credit;      \* - exam

**Ivan Horbachevsky Ternopil National Medical University of the Ministry of Health of Ukraine**  
**Curriculum**  
**Specialty 222 "Medicine"**  
**5th year of study**

Academic disciplines	number of credits	Number of academic hours					I semester						II semester					
		Total	Lectures	Seminars	Practical Classes	Students Individual Work				Students Individual Work	Forms of Control					Students Individual Work	Forms of Control	
							including						including					
							Lectures	Seminars	Practical Classes				Exam	Credit/Dif.Credit	Lectures			
Internal Medicine with Clinical Pharmacology, Clinical Immunology and Allergology, Occupational Diseases	10	300	38		156	106												
Internal Medicine	5.5	165	26		96	43	10		48	21		Pass	16		48	22	*	
Clinical pharmacology	1.5	45			24	21			18	14		Pass			6	7		
Clinical Immunology and Allergology	2	60	6		24	30	6		12	15		Pass			12	15		
Occupational Diseases	1	30	6		12	12							6		12	12		
Infectious Diseases with Epidemiology	5.5	165	30		78	57												
Infectious Diseases	4	120	20		60	40	8		30	20		Pass	12		30	20	*	
Epidemiology	1.5	45	10		18	17							10		18	17		

Oncology with Radiation Medicine	4	120	16		48	56													
Radiation Medicine	1	30	4		12	14	4		12	14		/*							
Oncology	3	90	12		36	42	12		36	42									
Pediatrics with Pediatric Infectious Diseases and Medical Genetics	5	150	18		96	36													
Pediatrics	3	90	12		60	18	6		30	9		Pass	6		30	9	*		
Pediatric Infectious Diseases	1.5	45	6		24	15	6		18	12		Pass			6	3			
Medical Genetics	0.5	15			12	3			12	3									
Surgery with Pediatric Surgery and Neurosurgery	7.5	225	24		102	99													
Surgery	4	120	10		60	50	6		30	25		Pass	4		30	25	*		
Pediatric Surgery	2.5	75	8		30	37	8		24	30		Pass			6	7			
Neurosurgery	1	30	6		12	12							6		12	12			
Traumatology and Orthopedics	3	90	10		42	38	6		24	15		Pass	4		18	23		/*	
Obstetrics and Gynecology	4	120	18		48	54	10		24	26		Pass	8		24	28	*		
Phthisiology	3	90	10		30	50	10		30	50		*/							
Anesthesiology and Intensive Care	3	90	6		54	30	4		30	11		Pass	2		24	19		/*	
Emergency and Emergency Medical Care	3	90	6		24	60	6		24	60		/*							

<b>Elective course:</b>	<b>6</b>	<b>180</b>			40	<b>140</b>												
<b>Pathophysiology of emergency states</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Side effects of the drugs</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Topical issues of palliative care for cancer patients</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Sectional course</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Actual questions of Plastic Surgery and Regenerative Medicine</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Actual parasitic diseases of human</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Prevention and early diagnosis of ear, throat, and nose cancer</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Standards of the diagnostic and treatment in Internal Medicine</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Basics of ultrasound</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Palliative Care and Geriatrics</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Immunoprophylaxis</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>

<b>Perinatal care</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Current Problems of Cardiology</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Adolescent Medicine</b>	<b>3</b>	<b>90</b>			20	<b>70</b>			10	35		<b>Pass</b>			10	35		<b>*/</b>
<b>Medical Internship</b>	<b>5</b>	<b>150</b>		40		<b>110</b>								40		110		<b>/*</b>
<b>Total</b>	<b>59.0</b>	<b>1770.0</b>	<b>176.0</b>	<b>40.0</b>	<b>718.0</b>	<b>836.0</b>	<b>36.0</b>	<b>0.0</b>	<b>132.0</b>	<b>162.0</b>	<b>0.0</b>		<b>14.0</b>	<b>40.0</b>	<b>66.0</b>	<b>180.0</b>		

**NOTE: To complete the curriculum. the student must choose3 (three) elective courses (9 credits).**

pass - ;      \*/ - Credit;      /\* - Differential Credit;      \* - Exam

**I. HORBACHEVSKY TERNOPIL NATIONAL MEDICAL UNIVERSITY  
OF THE MINISTRY OF HEALTH OF UKRAINE**

**Curriculum**

**Specialty 222 "Medicine"**

**6-th year of study**

Academic disciplines	Credits	Number of academic hours					I semester						II semester					
		Total	Lectures	Seminars	Practical	Studets individual work				individual work	forms of control					individual work	forms of control	
							including						including					
							lectures	seminars	practical classes				lectures	seminars	practical classes			
Internal Medicine	14	420			240	180												
Internal Medicine	8	240			126	114			126	114		/*						
Emergency conditions in internal medicine	4	120			78	42			78	42								
Infectious diseases	2	60			36	24			36	24								
Pediatrics with children infectious diseases	8,5	255			108	147									108	147		/*
Surgery with Pediatric Surgery and Oncology	9	270			144	126												
Surgery with Minimally invasive surgery	7	210			114	96									114	96		/*
Pediatric surgery	1	30			18	12									18	12		



<b>Oncology</b>	1	30			12	18									12	18		
<b>Obstetrics and Gynecology</b>	3,5	105			60	45			60	45		/*						
<b>Functional and laboratory diagnostics</b>	3	90			72	18			72	18		*/						
<b>General practice (Family Medicine)</b>	7	210			132	78			90	50		pass			42	28		/*
<b>Hygiene and Ecology</b>	3	90			42	48									42	48		/*
<b>Social Medicine and Public Health</b>	3	90			42	48									42	48		/*
<b>Elective courses</b>	9	270			60	210												
<b>Vaccine prevention of infectious diseases</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Minimally invasive urology</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Actual issues of andrology</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Current issues of transfusiology</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Conflictology</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Invasive methods of diagnosis and treatment of cardiac pathology</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Medical rehabilitation</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Actual issues cerebrovascular pathology</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Actual issues of otosurgery</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Methods of examination of auditory function</b>	3	90			20	70			10	35		pass			10	35		*/
<b>ECG in emergency cardiology</b>	3	90			20	70			10	35		pass			10	35		*/

<b>Clinical electroencephalography</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Palliative and hospice medicine</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Functional diagnostic of sensorial systems</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Electrophysiological methods of examination in medicine</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Simulation training: resuscitation of adults at the pre-hospital and hospital stages</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Actual issues of vascular pathology of the brain</b>	3	90			20	70			10	35		pass			10	35		*/
<b>Attestation</b>		30				30										30		
<b>Total</b>	<b>60.0</b>	<b>1800.0</b>	<b>0.0</b>	<b>0.0</b>	<b>900.0</b>	<b>900.0</b>			<b>492.0</b>	<b>398.0</b>					<b>408.0</b>	<b>502.0</b>		

**NOTE: To complete the curriculum, the student must choose 3 (three) elective courses (9 credits)**

\* - exam; /\* - differential credit; \*/ - credit; - pass;