								S	tudy	Plaı	1												
							Ho	urs									Ser	neste	r				
Nº	M	odule/Course	Credit	Overall	Contact Hours	Lecture	Laboratory Work	Practical	Seminar	Rating Tests	Independent work	ı	11	111	IV	v	VI	VII	VIII	ıx	x	ХI	XII
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1		cative Aspects of the rgian Language	8	200	90	30		58		2	110	8											
		Cytology				4	8																
2		Molecular Biology	7	175	70	8	4	12		2	105	7											
	Module – Medical	General Histology	•			6				_		•											
	Biology	Embryology				6	4	4															
		Respiratory system morphology				5		12															
	Module -	Clinical anatomy of the chest				5		8															
3	Morphol ogy and physiolo gy of	Breathing physiology	9	225	90	4	4	8		2	135	9											
	cardio- respirat ory system	Morphology of heart and coronary vessels				6		12															
		Electrophysiolo gy of the heart				4	2	6															
		Blood pressure formation				4	2	6															
		Nonorganic				6	14																
4	Medical	Organic	6	150	60	6	14			2	90	6											
	Chemistry	Common Biochemistry				6	12																
	Module	Anatomy of skeletal system		4 6		6																	
5	Locomotor System - Morpholog	Histology of skeletal system	6	150	90	8	7	8		2	60		6										
	y and Physiology	Joints				4		8															
		The muscular				4	4	10															

		system anatomy														
		Physiology of cross-striated muscle contraction				2	4	4								
		Bone Radiology				3		6								
		Learning of biochemical pathways on energy metabolism and highenergy molecules				3		6								
		thermodynamic s				2		6								
6	Module Energy	biochemical stru cture and importance of e nzymes	5	125	50	3		7	2	75	5					
		Anatomy of Liver, Pancreas and thyroid gland				3		6								
		Histology of liver, pancreas and thyroid gland				4	8									
		Urinary system anatomy				3		6								
		Nephron as the structural and functional unit of kidney				3		6								
7	Module Homeosta sis	Physiology of liquid regulation in human organism	5	125	50	3		6	2	75	5					
		Homeostasis and acid –base balance				3		6								
		Pharmacokineti cs				3		9								
	Inflamma	Immune system				8	6	6								
8	tion and	Complement	7	175	70	2		4	2	105	7					

		Autoimmunity				2	2	3										
		Acute inflammation				2		8										
		Chronic inflammation				3		6				,,						
		Reparation				2		4										
		Immunodeficien cy				4	2	4										
		Anatomy of the digestive (gastrointestinal) system)				4	4	8										
		Hystology of the gastrointestinal organs				4	4	6										
		Physiology of the digestive (gastrointestinal) system	6	4 6														
9	Module - Nutrition	The digestion and absorption				4	6		2	90		6						
	Nutrition	The drug absorption in the alimentary tract and the main medicaments used in the gastroenterology				2		8										
		Anatomy of the digestive (gastrointestinal) system)				4												
		Anatomy and Physiology of meningeal membranes				4		8										
	Module –	Limbic system and cerebellum			2 6													
10	High Neuroregul ation	Bloody supply of CNS	6	150	60		90		6									
		Electrical activity of brain (introduction), Sleep Physiology				2												

		Autonomic Nervous system and main				4		6									
		neurological examinations															
		Molecular Genetics				9		18									
	Module –	Genetics and Changeability	5	125	75	9		18	2	50		5					
	Medical Genetics	Genomic Technologies				7	12										
		Organogenesis				6		12									
		Embryo growth and development genetic, physiological, biochemical endocrinal factors and mechanisms.				8		16									
		Neonatology				6		12									
11	Module Growth and Developme	Major genetic, physiological, biochemical endocrinal aspects	7	175	105	4		10	2	70		7					
	nt	Gonadotrophic hormones and drugs															
		s The health-related problems during the neonatal (newborn), childhood and puberty ages. The main factors and reasons of morbidity and mortality				8		21									
12	damage caused by biological	Bacteria, Viruses, Fungi, Parasites structure				4	2	6									
	agents	Pathogeneses,				4		8									

		symptoms and disease of	7	175	70				2			7					
		damage caused								105							
		by microbiological agents															
		Identification of bacteria spread around the human body				2	2	6									
		Normal and Pathogenic Micro flora				4		8									
		Selective and diagnostic cultivation				2	2	4									
		Basic antimicrobial agents				2		4									
		Biosafety				2	2	4									
13		ical First Aid	5	125	75	15		58	2	50		5					
14	В	iostatistics	5	125	50	15		33	2	75			5				
		Morphology of human reproductive system				4		8	2								
15	Module- Reproductol ogy	pathology of human reproductive system	5	125	50	4		12		75			5				
		Hypothalamus - hypophysis gonadial line				4		16	0								
	Module	Synapsis, synaptic links, neural impulse transmission				3	2	6									
	Neuro - Biology	General Pharmacology	4	100 40 6		12	2	60			4						
		Basic neuro- transmitters and their role			3		6										
17	Module - Pathology	The cellular damage and its results	6	150	90	7		14	2	60			6				
	1 uniology	The adaptation mechanisms of				3	2	6									

		cell, tissue, organ and system of organs The physical agents of diseases development The chemical agents of physical development Oxygen and other gases used for therapeutical reasons The toxical effect of ethyl, methyl alcohols and drugs				6 2 3	3	10 12 6									
18	Medi	cal Radiology	5	125	75	30		43	2	50		5					
19	Perception and Transmissio	Somatic Stimulation – Perception and Transmission Functional anatomy and structure of sensory organs Functional	5	125	50	3		9	2	75		5					
	n	Anatomy of vestibular system and cranial nerves				3		6									
		Dysfunction of sense, perception and transmission				6		12									
		Blood structure and function				4		8									
		Hematopoiesis and stem cells				6		10									
20		Iron metabolism	5	125	75	3		6	2	50			5				
	Module –	Anemia				4		8									
	Blood	Bleeding, hemostasis, thrombosis				4		8									

		Liquid														
		regulation in the organism, principles of transfusion				4	8									
		Blood structure and function				2	6									
		Hematopoiesis and stem cells				2	6									
		Iron metabolism				2	10									
		Anemia				2	6									
21	Module – Trauma	Bleeding, hemostasis, thrombosis	7	175	70	4	8	2	105			7				
		Liquid regulation in the organism, principles of transfusion				2	6									
		Blood structure and function				4	8									
22	Gen	eral Surgery	4	100	60	15	43	2	40			4				
		Concept of agei ng, aging theori es, cellular senes cence				4	8									
		in immune syst em, skin, eye, ca rdiovascular syst em, urogenital s ystem,				4	8									
23	Module Gerontolo gy- Geriatry	hearing and bala nce, metabolism , gastrointestinal system, skeletal muscle physiolo gy.	4	100	60	3	6	2	40			4				
		Changes occurring during the aging process				4	10									
		Behavior Changes				3	8									
		Menopause, osteoporosis, clinical pharmacology of aging														

		Ethic in geriatric														
		Anatomy and physiology of female urinary and reproductive systems				3	6									
24	Obstetrics	Pathology of female reproductive system	5	125	50	3	9	2	75			5				
		Ethics in obstetrics				3	6									
		Anatomic and physiologic changes caused by pregnancy				6	12									
		Basic terminology				4	8									
		Differentiation of malignization, metastasis				3	8									
		Carcinogenic differentiation, and path-physiology				4	10									
25	Module Oncology	Predictor cancer factor (personal and surrounding)	5	125	75	4	8	2	50			5				
		Cancer immunology and cancer hearths				4	8									
		Narcological analgesics and anti-cancer medicines				4	8									
26	Module Cardio- Respiratio n	Blood circulation, large and small circulation, mechanisms of diseases	7	175	105	4	8	2	70				7			
		Cardio-vascular				6	12									

		system													
		pathology Cardio-													
		pulmonary examination of patients				6	12								
		Electro- cardiographs				5	10								
		Pathologies of respiratory systems				2	6								
		Patients with respiratory system diseases and examination				6	12								
		Blood circulation, large and small circulation, mechanisms of diseases				4	10								
		Hepatic and the bile ducts Pathology: acute viral and chronic Hepatitis pathogenesis				6	12	2							
27	Module - Gastroente rology	The patient evaluation during the hepatic and biliary pathologies	5	125	75	4	8		50			5			
		Abdominal surgery				8	14								
		The endoscopic examination in gastroenterology				3	6								
		The gastroenteritis and GI parasites				4	8								
28	Module Infection	Infectious Diseases Pathology	8	200	120	4	8	2	80			8			
	Imection	Pathogenesis of pathogenesis of				4	8								

		heating due to infectious diseases													
		Skin and soft tissue infections				4	8								
		Zoonotic infections tetanus and Rabies				4	6								
		Infections Due to Blood, skin and Tissue Parasites				4	8								
		Pathogenesis of damage to various systems due to infectious diseases				6	12								
		Pathogenesis of TBC and epidemiology				4	8								
		Anti-germ therapy				6	12								
		Major epidemiological definitions of the infectious diseases				4	8								
		Child's growth and development				6	12								
		Propedeutics				6	12								
		Murmur and cyanosis – pallor				6	12								
29	Module	Convulsion and its complications	10	250	150	6	10	2	100			10			
	Pediatrics	Newborn and dismorphology				6	12								
		Feeding, diarrhea, vomiting and abdominal pain				6	12								
		Arthralgia, and hematuria - fever and cough				6	15								

		Children's Diseases Epidemiology				6	15									
		Somatic Innervation and transmission of perception				3	6									
30	Pathology of Neurologi cal Perception	system	5	125	50	4	9	2	75				5			
	and	General anesthetics and their work mechanism				4	10									
		Local anesthetics and their work mechanism				4	8									
		Chest Pane				6	12									
		Interventional cardiology				6	12									
		Dyspnea cyanosis				5	8									
		Thoracic surgery				8	16									
31	Module - Cardio Pulmonar y Studies	radiological diagnostics of Cardio respiratory diseases	10	250	150	6	12						10			
		Cough, phlegm, hemoptysis				7	14									
		Parenchymal disease of lungs				6	12									
		Angiology, Angio surgery				6	12									
32	Otorh	inolaryngology	5	125	50	10	38	2	75							
		Propaedeutics,				6	12									
	stinal,	Radiological diagnosis				6	12									
33	hemopoeti c and Metabolic	Echimosis and hemorrhage	10	250	150	4	6	2	100				10			
	disorders	Acute abdominal pain				8	24									

		Chronic														
		abdominal Pain				4	8									
		Abdominal mass , breast mass				4	8									
		Organomegaly				4	8									
		Icterus				4	8									
		Diare, constipati on				4	6									
		Haematemesis, melena haemato chezia				4	8									
34		eal Ethics and eontology	3	75	30	8	20	2	45				3			
35	End	ocrinology	9	225	135	36	97	2	90				9			
36	Neurol	ogical diseases	6	150	60	12	46	2	90				6			
		Pathology of the musculoskeletal system			105	6	12									
37	Module - Pathology of the musculosk	The posture and moving abilities' disorders	7	175		6	12	2	70				7			
	eletal	Osteology				7	21									
	system	The joints pain and edema				6	12									
		Rheumatic diseases				7	14					,.				
38	Elec	tive Course	5	125	50	12	36	2	75				5			
39	Foren	sic Medicine	5	125	50	12	36	2	75					5		
		Pathology of the urinary system				6	12									
	Module	Radial diagnostics used for Urinary diseases				4	8									
40	urology, andrology, sexual disorder	The patient evaluation during the urinary system disorders	6	150	60	4	6	2	90					6		
		Dysuria				2	4									
		Sexual disorders and infertility				4	8									
41	Module –	Psychiatric	4	100	40	2	4	2	60					4		

	mental	nosology																					
	The basics of psychiatric																						
						2		6															
		interviewing	4																				
		The Main																					
		Psychiatric disorders				2		6															
		Psychiatric																					
		diseases –																					
		Diagnosis. Etiology.				4		6															
		Principles of																					
		treatment																					
		Central nervous																					
		system				2		4															
40	Internal d	pharmacology	40	250	100	22		70			150									10			
			10	125	50	12		76 36		2	75									5			
43	1		6	150	60	10		48		2	90									5	6		
	Dermato-venerology		-			30																	
45			6	150	90			58		2	60										6		
46	•		6	150	60	12		46		2	90										6		
47	8 83		6	150	60	12		46		2	90										6		
48	Public Health and Epidemiology		6	150	75	15		58		2	75										6		
	Methods of scientific																						
49	research in Clinical Medicine		5	125	55	16			37	2	70											5	
50	Surgical diseases		10	250	150	28		120		2	100											10	
51	Critical Ca		8	200	120	20		98		2	80											8	
	_	y Toxicology																					
52	Pediatric	Practice	7	175	105			103		2	70											7	
	Obstetric s and																						
53	Gynecolo		6	150	90			88		2	60												6
	gy	Practice																					
54	Internal Medicine	Practice	8	200	120			118		2	80												8
55	Surgery	Practice	8	200	120			118		2	80												8
56	Emergen cy	Practice	8	200	120			118		2	80												8
		Total	9000	4525	1123	158	3093	37	114	4475	30	30	30	30	30	30	30	30	30	30	30	30	30
	Elective		ь	hour	ire	ory	cal	iar	ρū	ndent k													
	Courses (5	indi:	Hour	Contact hour	Lecture	laboratory	Practical	seminar	rating	Independ work													

	Credits)															
1	History of Georgia	5	125	50	12		36	2	75					5		
2	Informati onal Technolo gies	5	125	45		43		2	80					5		
3	Ophthal mology	5	125	50	12		36	2	75					5		