

№		Study Plan																					
		Module/Course	Credit	Hours							Semester												
				Overall	Contact Hours	Lecture	Laboratory Work	Practical	Seminar	Rating Tests	Independent work	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
						5	6	7	8	9		10	11	12	13	14	15	16	17	18	19	20	21
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
1	Communicative Aspects of the Georgian Language		8	200	90	30		58		2	110	8											
2	Module – Medical Biology	Cytology	7	175	70	4	8		2	105	7												
		Molecular Biology				8	4	12															
		General Histology				6	12																
		Embryology				6	4	4															
3	Module – Morphology and physiology of cardio-respiratory system	Respiratory system morphology	9	225	90	5		12	2	135	9												
		Clinical anatomy of the chest				5		8															
		Breathing physiology				4	4	8															
		Morphology of heart and coronary vessels				6		12															
		Electrophysiology of the heart				4	2	6															
		Blood pressure formation				4	2	6															
4	Medical Chemistry	Nonorganic	6	150	60	6	14		2	90	6												
		Organic				6	14																
		Common Biochemistry				6	12																
5	Module Locomotor System - Morphology and Physiology	Anatomy of skeletal system	6	150	90	4	6	6	2	60	6												
		Histology of skeletal system				8	7	8															
		Joints				4		8															
		The muscular				4	4	10															

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

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

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

		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												
27	Module - Gastroenterology	Hepatic and the bile ducts Pathology: acute viral and chronic Hepatitis pathogenesis	5	125	75	6		12		2	50									
		The patient evaluation during the hepatic and biliary pathologies				4		8												
		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									
		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												
29	Module Pediatrics	Child's growth and development	10	250	150	6		12	2	100										
		Propedeutics				6		12												
		Murmur and cyanosis – pallor				6		12												
		Convulsion and its complications				6		10												
		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													
30	Pathology of Neurological Perception and Transmission	Somatic Innervation and transmission of perception	5	125	50	3	6	2	75											
		Injury of sense organs of cranial-vestibular system				4	9													
		General anesthetics and their work mechanism				4	10													
		Local anesthetics and their work mechanism				4	8													
31	Module - Cardio Pulmonary Studies	Chest Pane	10	250	150	6	12													
		Interventional cardiology				6	12													
		Dyspnea cyanosis				5	8													
		Thoracic surgery				8	16													
		radiological diagnostics of Cardio respiratory diseases				6	12													
		Cough, phlegm, hemoptysis				7	14													
		Parenchymal disease of lungs				6	12													
Angiology, Angio surgery	6	12																		
32	Otorhinolaryngology		5	125	50	10	38	2	75											
33	Gastrointestinal, hemopoetic and Metabolic disorders	Propaedeutics,	10	250	150	6	12	2	100											
		Radiological diagnosis				6	12													
		Echimosis and hemorrhage				4	6													
		Acute abdominal pain				8	24													

	Credits)																					
1	History of Georgia	5	125	50	12	36		2	75									5				
2	Informational Technologies	5	125	45		43		2	80									5				
3	Ophthalmology	5	125	50	12	36		2	75									5				