

## HUMAN BODY STRUCTURE AND FUNCTION

1st year

### I Semester

Modules	Prerequisites	ECTS	ECTS/per subject	Total hours	Independent work hrs	Contact hours	Lecture/Practical	Assessment
<b>Body Systems I Locomotor and Integumentary Systems Anatomy Physiology Imaging</b>	N/A	10	4+4+2	300 (120+120+60)	190	105 (45+45+15)	15/30 Anatomy, 15/30 Physiology, 5/10 Imaging	MCQ/Short Answer Questions Total 5 Hours
<b>Gene, Cell and Tissue I Molecular Biology Biochemistry Medical Genetics Histology&amp;Embriology</b>	N/A	12	3+3+3+3	360 (90+90+90+90)	175	180 (45+45+45+45)	15/30 Molecular Biology, 15/30 Bochemistry, 15/30 Medical Genetics, 15/30 Histology&Embriology	MCQ/Short Answer Questions Total 5 Hours
<b>Clinical and Professional Skills I</b>	N/A	2	2	60	25	30	0/30	Short Answer Questions/OSCE Total 5 Hours
<b>Medical English I/Georgian I</b>	N/A	4	4	120	55	60	0/60	MCQ/Short Answer Questions Total 5 Hours
<b>Electives Medical Physics MEDICAL SOCIOLOGY GERMAN LANGUAGE I</b>	N/A	2	2	60	25	30	10/20  0/30	MCQ/Short Answer Questions Total 5 Hours
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>470</b>	<b>405</b>	<b>Without German 105/300 With German 95/310</b>	<b>25</b>

### II Semester

Modules	Prerequisites	ECTS	ECTS/per subject	Total hours	Independent work hrs	Contact hours	Lecture/Practical	Assessment
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<b>Body Systems II</b> <b>Cardiovascular and</b> <b>Respiratory Systems</b> <b>Anatomy</b> <b>Physiology</b> <b>Imaging</b>	Body Systems I	10	4+4+2	300 (120+120+60)	190	105 (45+45+15)	15/30 Anatomy, 15/30 Physiology, 5/10 Imaging	MCQ/Short Answer Questions Total 5 Hours
<b>Gene, Cell and Tissue II</b> <b>Molecular Biology</b> <b>Biochemistry</b> <b>Medical Genetics</b> <b>Histology&amp;Embriology</b>	Gene, Cell and Tissue I	10	2+3+2+3	300 (60+90+60+90)	145	150 (30+45+30+45)	10/20 Molec.Biology, 15/30 Biochem, 10/20 Med.Genetics, 15/30 Hist.Embr.	MCQ/Short Answer Questions Total 5 Hours
<b>Clinical and Professional</b> <b>Skills II</b>	Clinical and Professional Skills I	2	2	60	25	30	0/30	Short Answer Questions/OSCE Total 5 Hours
<b>Scientific Reasoning I</b>	N/A	2	2	60	25	30	10/20	Essay/Short Answer Questions Total 5 Hours
<b>Medical English</b> <b>II/Georgian II</b>	Medical English/Georgian I	4	4	120	55	60	0/60	MCQ/Short Answer Questions Total 5 Hours
<b>Electives</b> <b>History of Medicine</b> <b>MEDICAL MATERIALS</b>	N/A	2	2	60	25	30	10/20	MCQ/Short Answer Questions Total 5 Hours
<b>GERMAN LANGUAGE II</b>	GERMAN LANGUAGE I						0/30	
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>465</b>	<b>405</b>	<b>Without German 105/300</b> <b>With German 95/310</b>	<b>30</b>
<b>Total</b>		<b>60</b>	<b>60</b>	<b>1800</b>	<b>935</b>	<b>810</b>	<b>Without German 210/600</b> <b>With German 190/620</b>	<b>55</b>
<b>2nd year</b>								
<b>III Semester</b>								
<b>Modules</b>	<b>Prerequisites</b>	<b>ECTS</b>	<b>ECTS/per subject</b>	<b>Total hours</b>	<b>Independ ent work hrs</b>	<b>Contact hours</b>	<b>Lecture/Practical</b>	<b>Assessment</b>

<b>Body Systems III</b> Digestive (GI, Liver, Nutrition) System, Hematology Anatomy Physiology Imaging	Body Systems II	10	4+4+2	300 (120+120+60)	190	105 (45+45+15)	15/30 Anatomy, 15/30 Physiology, 5/10 Imaging	MCQ/Short Answer Questions Total 5 Hours
<b>Gene, Cell and Tissue III</b> Histology&Embriology Immunology Biophysics Biochemistry	Gene, Cell and Tissue II	11	3+3+3+2	330 (90+90+90+60)	145	180 (45+45+45+45)	15/30 Hist.&Embr, 15/30 Immun, 15/30 Biophys 15/30 Biochemistry	MCQ/Short Answer Questions Total 5 Hours
<b>Medicine and Society I</b> Introduction to Public Health	N/A	3	3	90	40	45	15/30	Essay/Short Answer Questions Total 5 Hours
<b>Clinical and Professional Skills III</b>	Clinical and Professional Skills II	4	4	120	47	68	8/60	Short Answer Questions/OSCE Total 5 Hours
<b>Electives</b> Cancer Biology Enzymology	Body Systems II Body Systems II	2	2	60	25	30	10/20	MCQ/Short Answer Questions Total 5 Hours
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>447</b>	<b>428</b>	<b>128/300</b>	<b>25</b>
<b>IV Semester</b>								
<b>Modules</b>	<b>Prerequisites</b>	<b>ECTS</b>	<b>ECTS/per subject</b>	<b>Total hours</b>	<b>Independent work hrs</b>	<b>Contact hours</b>	<b>Lecture/Practical</b>	<b>Assessment</b>
<b>Body Systems IV</b> Endocrine, Renal and Reproductive systems Anatomy Physiology Imaging	Body Systems III	10	4+4+2	300 (120+120+60)	190	105 (45+45+15)	15/30 Anatomy, 15/30 Physiology, 5/10 Imaging	MCQ/Short Answer Questions Total 5 Hours
<b>Gene, Cell and Tissue IV</b> Immunology Microbiology	Gene, Cell and Tissue III	8	4+4	240 (120+120)	145	90 (45+45)	15/30 Immunology, 15/30 Microbiology	MCQ/Short Answer Questions Total 5 Hours

<b>Medicine and Society II Introduction to Public Health</b>	Medicine and Society I	4	4	120	63	52	12/40	Essay/Short Answer Questions Total 5 Hours
<b>Clinical and Professional Skills IV</b>	Clinical and Professional Skills III	4	4	120	47	68	8/60	Short Answer Questions/OSCE Total 5 Hours
<b>Scientific Reasoning II</b>	Scientific Reasoning I	2	2	60	25	30	10/20	Essay/Short Answer Questions Total 5 Hours
<b>Electives Nanomedicine Philosophy</b>	N/A	2	2	60	25	30	10/20	MCQ/Short Answer Questions Total 5 Hours
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>495</b>	<b>375</b>	<b>105/270</b>	<b>30</b>
<b>Total</b>		<b>60</b>	<b>60</b>	<b>1800</b>	<b>942</b>	<b>803</b>	<b>233/570</b>	<b>55</b>

**MECHANISMS OF HEALTH AND DISEASE**

**3rd year**

**V Semester**

<b>Modules</b>	<b>Prerequisites</b>	<b>ECTS</b>	<b>ECTS/per subject</b>	<b>Total hours</b>	<b>Independent work hrs</b>	<b>Contact hours</b>	<b>Lecture/Practical</b>	<b>Assessment</b>
<b>Introduction to Clinical Diagnostics I Physical Diagnosis</b>	Clinical and Professional Skills III	8	8	240	170	60	15/45	OSCE Total 10 hours
<b>Brain, Mind and Behavior Neuroanatomy Neurophysiology Imaging Behavioral Medicine</b>	Body Systems I	12	12 (4+3+2+3)	360 (120+90+60+90)	185	170 (50+45+30+45)	20/30 Neuroan 15/30 Neurophys 10/20/Imaging, 15/30 Behavior. Medicine	MCQ/Short Answer Questions Total 5 Hours
<b>Basis of Disease and Treatment I Basic Pathology Basic Pharmacology</b>	Body Systems IV	8	8 (4+4)	240 (120+120)	145	90 (45+45)	15/30 Basic Pathology, 15/30 Basic Pharmac.	MCQ/Short Answer Questions Total 5 Hours
<b>Clinical and Professional Skills V Clinical reasoning</b>	Clinical and Professional Skills IV	2	2	60	25	30	0/30	Written (Case-based) Total 5 hours

<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>525</b>	<b>350</b>	<b>105/245</b>	<b>25</b>
<b>VI Semester</b>								
<b>Modules</b>	<b>Prerequisites</b>	<b>ECTS</b>	<b>ECTS/per subject</b>	<b>Total hours</b>	<b>Independent work hrs</b>	<b>Contact hours</b>	<b>Lecture/Practical</b>	<b>Assessment</b>
<b>Introduction to Clinical Diagnostics II</b>	Introduction to Clinical Diagnostics I	10	10 (8+2)	300 (240+60)	200	90 (60+30)	15/45 Phys.Diagn. 0/30 Clin.Skills	OSCE Total 10 hours
<b>Physical Diagnosis</b>								
<b>Clinical Skills</b>								
<b>Basis of Disease and Treatment II</b>	Basis of Disease and Treatment I	8	8 (4+4)	240 (120+120)	145	90 (45+45)	15/30 Basic Pathology, 15/30 Basic Pharmac.	MCQ/Short Answer Questions Total 5 Hours
<b>Basic Pathology</b>								
<b>Basic Pharmacology</b>								
<b>Medicine and Society III</b>	Medicine and Society II	4	4	120	63	52	12/40	Essay/Short Answer Questions Total 5 Hours
<b>Clinical and Professional Skills VI</b>	Clinical and Professional Skills V	4	4 (2+2)	120 (60+60)	55	60 (30+30)	0/30 Clin.reasoning 10/20 Prof.skills	Written (Case-based) Total 5 hours
<b>Clinical reasoning</b>								
<b>Professional skills</b>								
<b>Scientific Reasoning III</b>	Scientific Reasoning II	2	2	60	25	30	10/20	Essay/Short Answer Questions Total 5 Hours
<b>Electives</b>	Basis of Diseases and Treatment I	2	2	60	25	30	10/20	MCQ/Short Answer Questions Total 5 Hours
<b>Pain Management</b>	N/A							
<b>Medical Management</b>								
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>513</b>	<b>352</b>	<b>87/265</b>	<b>35</b>
<b>Total</b>		<b>60</b>	<b>60</b>	<b>1800</b>	<b>1038</b>	<b>702</b>	<b>192/510</b>	<b>60</b>
<b>CORE CLERKSHIPS</b>								
<b>4th year</b>								
<b>VII Semester</b>								

Modules	Prerequisites	ECTS	ECTS/per subject	Total hours	Independent work hrs	Contact hours	Lecture/Practical	Assessment
<b>Internal Medicine Clerkship I</b> <b>Cardiology</b> <b>Pulmonology</b> <b>Nephrology</b>	Basis of Disease and Treatment II Clinical and Professional Skills III	8	8 (3+3+2)	240 (90+90+60)	120	108 (36+36+36)	6/30 Card, 6/30 Pulm, 6/30 Nephro.	Integr. OSCE Total 12 hours
<b>Surgery Clerkship I</b> <b>General Surgery</b> <b>Urology</b>	Basis of Disease and Treatment II Clinical and Professional Skills II	6	6 (4+2)	180 (120+60)	91	77 (44+33)	4/40 Surg, 3/30 Urol,	
<b>Pediatrics Clerkship I</b>	Basis of Disease and Treatment II	5	5	150	72	66	6/60	
<b>Ob/Gyn Clerkship I</b>	Basis of Disease and Treatment II	5	5	150	72	66	6/60	
<b>Clinical and Professional Skills VII</b>	Clinical and Professional Skills VI	4	4 (2+2)	120 (60+60)	48	60 (30+30)	0/30 Clin.skills, 10/20 Prof.skills	
<b>Systems Biology (elective)</b> <b>Synthetic Biology (elective)</b>	Gene, Cell and Tissue IV N/A	2	2	60	25	30	10/20	MCQ/Short Answer Questions Total 5 hours
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>428</b>	<b>407</b>	<b>57/350</b>	<b>65</b>
<b>VIII Semester</b>								
Modules	Prerequisites	ECTS	ECTS/per subject	Total hours	Independent work hrs	Contact hours	Lecture/Practical	Assessment
<b>Internal Medicine Clerkship II</b> <b>Gastroenterology,</b> <b>Hepatology,</b> <b>Endocrinology &amp;</b> <b>Metabolic Disorders</b>	Internal Medicine Clerkship I Clinical and Professional Skills IV	8	8 (3+2+3)	240 (90+60+90)	100	128 (68+24+36)	8/60 Gastro, 4/20 Hepat, 6/30 Endo.	Integr. OSCE Total 12 hours
<b>Surgery Clerkship II</b>	Surgery Clerkship I Clinical and Professional Skills IV	5	5	150	72	66	6/60	

<b>Family Medicine Clerkship I Outpatients'Primary Care</b>	Medicine and Society III Brain, Mind and Behavior Internal Medicine Clerkship I	4	4	120	64	44	4/40	
<b>Clinical Radiology</b>	Body Systems IV Brain, Mind and Behavior	4	4	120	64	44	4/40	
<b>Medicine and Society IV</b>	Medicine and Society III	4	4	120	67	48	8/40	Essay/Short Answer Questions Total 5 Hours
<b>Scientific Reasoning IV</b>	Scientific Reasoning III	3	3	90	49	36	6/30	Essay/Short Answer Questions Total 5 Hours
<b>Laborratory Medicine (elective) Clinical Nutrition (elective)</b>	Introduction to Clinical Diagnostics II Basis of Disease and Treatment II	2	2	60	25	30	10/20	MCQ/Short Answer Questions Total 5 Hours
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>441</b>	<b>396</b>	<b>56/340</b>	<b>63</b>
<b>Total</b>		<b>60</b>	<b>60</b>	<b>1800</b>	<b>869</b>	<b>803</b>	<b>113/690</b>	<b>128</b>

**5th year**

**IX Semester**

<b>Modules</b>	<b>Prerequisites</b>	<b>ECTS</b>	<b>ECTS/per subject</b>	<b>Total hours</b>	<b>Independ ent work hrs</b>	<b>Contact hours</b>	<b>Lecture/Practical</b>	<b>Assessment</b>
<b>Internal Medicine Clerkship III Rheumatology Clinical Immunology Dermatology</b>	Internal Medicine Clerkship II	8	8 (3+2+3)	240 (90+60+90)	118	110 (40+30+40)	10/30 Rheum, 10/20 Clin.imun, 10/30 Dem.	
<b>Surgery Clerkship III ENT Ophthalmology Stomatology</b>	Surgery Clerkship II Clinical and Professional Skills II	6	6 (2+2+2)	180 (60+60+60)	60	108	6/30 ENT, 6/30 ophthalmology, 6/30 Stomatology	

<b>Emergency Medicine and Intensive Care Clerkship I</b>	Internal Medicine Clerkship II	4	4	120	72	36	6/30	Integr. OSCE Total 12 hours
<b>Infectious Diseases Clerkship I Infectious Diseases, Clinical Microbiology, Immunology of Communicable Diseases</b>	Basis of Disease and Treatment II	8	8 (4+2+2)	240 (120+60+60)	118	110 (50+30+30)	10/40 Inf.Dis, 10/20 Clin Mic. 10/20 Im of Com.Dis	
<b>Clinical an Professional Skills VIII</b>	Clinical and Professional Skills VII	4	4 (2+2)	120 (60+60)	48	60 (30+30)	0/30 Clin.skills, 10/20 Prof.skills	
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>416</b>	<b>424</b>	<b>94/330</b>	
<b>X Semester</b>								
Modules	Prerequisites	ECTS	ECTS/per subject	Total hours	Independent work hrs	Contact hours	Lecture/Practical	Assessment
<b>Internal Medicine Clerkship IV Oncology Hematology Clinical Genetics</b>	Internal Medicine Clerkship III	7	7 (3+2+2)	210 (90+60+60)	93	105 (45+30+30)	15/30 Onc , 10/20 Hemat. 10/20 Med.Gen.	Integr. OSCE Total 12 hours
<b>Neurology Clerkship Psychiatry Neurology</b>	Brain, Mind and Behavior Introduction to Clinical Diagnostics II	8	8 (4+4)	240 (120+120)	128	100 (50+50)	10/40 Neurol, 10/40 Psychiatr	
<b>Family Medicine Clerkship II</b>	Family Medicine Clerkship I Clinical and Professional Skills VIII	4	4	120	64	44	4/40	
<b>Rehabilitation Medicine Clerkship</b>	Internal Medicine Clerkship III	3	3	90	38	40	10/30 Rehab.	
<b>Forensic Medicine and Medical Toxicology</b>	Basis of Disease and Treatment II	4	4	120	64	44	4/40	
<b>Clinical an Professional Skills IX</b>	Clinical and Professional Skills VIII	2	2	60	18	30 (15+15)	0/15 Clin.skills, 0/15 Prof.skills	



<b>Allergy Medicine (elective)</b>	Basis of Disease and Treatment II Brain, Memory, Behavior	2	2	60	25	30	10/20	MCQ/Short Answer Questions Total 5 Hours
<b>Clinical Psychology (elective)</b>		30	30	900	430	393	83/310	
<b>Subtotal</b>		<b>60</b>	<b>60</b>	<b>1800</b>	<b>846</b>	<b>817</b>	<b>177/640</b>	<b>137</b>
<b>Total</b>		<b>60</b>	<b>60</b>	<b>1800</b>	<b>846</b>	<b>817</b>	<b>177/640</b>	<b>137</b>

### ADVANCED CLERKSHIPS

#### 6th year

#### XI Semester

Modules	Prerequisites	ECTS	ECTS/per subject	Total hours	Independent work hrs	Contact hours	Lecture/Practical	Assessment
<b>Medical Leadership</b>	Brain, Mind and Behavior	2	2	60	12	36	6/30	
<b>Health Communication</b>	Internal Medicine Clerkship V Clerkship Surgery Clerkship IV	4	4	120	64	44	4/40	Integr. OSCE Total 12 hours
<b>Geriatrics and Palliative Care Clerkship</b>	Infectious Diseases Clerkship 1 Family Medicine 1	5	5	150	72	66	6/60	
<b>Obstetrics/Gynecology Clerkship II</b>	Ob/Gyn Clerkship I	5	5	150	72	66	6/60	
<b>Family Medicine Clerkship III</b>	Family Medicine Clerkship II	6	6	180	96	72	6/66	
<b>Clinical an Professional Skills X</b>	Clinical and Professional Skills IX	4	4 (2+2)	120 (60+60)	48	60 (30+30)	0/30 Clin.skills, 10/20 Prof.skills	

<b>Precision Medicine (elective)</b> <b>Clinical Technologies (elective)</b>	Basis of Disease and Treatment II N/A	4	4	120	55	60	20/40	MCQ/Short Answer Questions Total 5 Hours
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>343</b>	<b>404</b>	<b>58/346</b>	<b>77</b>
<b>XII Semester</b>								
<b>Modules</b>	<b>Prerequisites</b>	<b>ECTS</b>	<b>ECTS/per subject</b>	<b>Total hours</b>	<b>Independent work hrs</b>	<b>Contact hours</b>	<b>Lecture/Practical</b>	<b>Assessment</b>
<b>Surgery Clerkship IV</b>	Surgery Clerkship III Neurology Clerkship	3	3	90	27	51	6/45	
<b>Emergency Medicine and Intensive Care Clerkship II</b>	Emergency Medicine and Intensive Care Clerkship I	5	5	150	72	66	6/60	Integr. OSCE Total 12 hours
<b>Infectious Diseases Clerkship II</b>	Infectious Diseases Clerkship I	5	5	150	72	66	6/60	
<b>Clinical and Professional Skills XI</b>	Clinical and Professional Skills X	4	4 (2+2)	120 (60+60)	48	60	0/30 Clin.skills, 10/20 Prof.skills	
<b>Internal Medicine Clerkship V Internal Medicine Clinical Pharmacology</b>	Internal Medicine Clerkship IV	6	6 (4+2)	180 (120+60)	66	102 (66+36)	6/60 Intern Med, 6/30 Clin.Pharm,	
<b>Pediatrics Clerkship II</b>	Pediatrics Clerkship I	3	3	90	30	48	8/40	

<b>Sexual Medicine (elective)</b>	Brain, Mind and Behavior	4	4	120	55	60	20/40	MCQ/Short Answer Questions Total 5 Hours
<b>Narcology (elective)</b>	Brain, Mind and Behavior							
<b>Subtotal</b>		<b>30</b>	<b>30</b>	<b>900</b>	<b>343</b>	<b>453</b>	<b>68/385</b>	<b>77</b>
<b>Total</b>		<b>60</b>	<b>60</b>	<b>1800</b>	<b>686</b>	<b>857</b>	<b>126/731</b>	<b>154</b>

<b>6 year MD Curriculum (partly integrated, with horizontal and vertical integration)</b>							
<b>ECTS</b>	<b>360</b>		<b>360</b>				
<b>TOTAL HOURS</b>	<b>10800</b>		<b>10800</b>				
<b>INDEPENDENT HRS</b>	<b>5419</b>		<b>5419</b>				
<b>CONTACT HRS</b>	<b>4792</b>		<b>4792</b>				
<b>LECTURES (1hr)</b>	<b>1051</b>		<b>1031</b>				
<b>PRACTICALS (2 hrs)</b>	<b>3741</b>		<b>3761</b>				
<b>ASSESSMENT HRS</b>	<b>589</b>		<b>589</b>				

- I Phase - HUMAN BODY STRUCTURE AND FUNCTION - I-II yrs
- II Phase - MECHANISMS OF HEALTH AND DISEASE III yr
- III Phase - Core Clinical Clerkships - IV-V yrs
- IV Phase - Advanced Clinical Clerkships - VI yr























