

Program name:	English Program of Medical Education
Study Level:	Single-Cycle Degree Program
Program leader:	Zaza Avaliani Otar Toidze
Study language:	English
Qualification:	Medical Doctor (090101)
Program capacity:	360

Program permission: English language B2 and other legislative requirements, namely citizens of Georgia should successfully pass Unified National Entrance Examinations. Foreign high-school graduates who received complete general education abroad or its equivalent and the last two years of complete general education had studied abroad or students who lived abroad for the last two or more years and who are currently studying abroad in higher educational institutions recognized by the legislation of the host countries will be able to enter the program without passing Uniform Unified National Entrance Examinations according to Order №224/N of the Minister of Education and Science of Georgia (December 29, 2011). If applicant does not hold a certificate his/her level of English language knowledge is established by the university exam. Minimum threshold of 60%.

Program goals: The aim of the course is to prepare competent, compassionate, just, experienced medical doctors, who will possess necessary theoretical knowledge, practical skills and values, defined by descriptor of competences of medical education in Georgia and by learning objectives of basic medical education by TUNING/MEDINE project, which will enable them to successfully continue medical education, enroll in Masters and Doctoral programs, apply for clinical positions of junior doctor, participate in scientific and academic activities in Georgia, as well as in other countries; graduates of the course will be ready to continuously improve their knowledge and skills, and with their professional work facilitate improvement of health and wellbeing of local communities as well as global society.

- Interactive lectures, seminars.
- Visual lectures.
- Stating and solving the problems.
- Verbal, or oral method.
- Induction, deduction, analysis and synthesis.
- Practical work.
- Discussions/Debates
- Laboratory work;
- Critical analysis;
- Lecture-seminar;
- The method of working on the book;
- Explanation method;
- Situational exercises;
- Role-playing games;
- News reports
- Small research projects
- Group exercises;
- Exercises oriented on solving of the problems;
- Case study;
- Literature review;
- Critical evaluation of own work
- Searching the files in electronic format or library;
- Written work method;
- Presentation
- The simulated performance;
- Demonstration method (Using of audio-video learning material)
- Clinical practical studies;
- Writing Essays
- Problem based learning

Methods for Attaining Learning Outcomes:

Knowledge and understanding

Graduate will be able to:

- - Have deep and systemic knowledge of basic natural, behavioral, social and clinical sciences.
 - Knowledge of main groups of drugs, principles of their administration according to pathological conditions and diseases.
 - Knowledge about structure and organization of different public health and healthcare systems, and realization of physicians' role in those systems.
 - Knowledge regarding ethical and legal principals associated with clinical practice and research.
- Realization of different ways of addressing complex clinical problems

Applying knowledge

Graduate will be able to:

- - Carry out a consultation with a patient.
 - Assess clinical presentations, order investigations, make differential diagnoses, and discuss a management plan;
 - Provide immediate care of medical emergencies, including First Aid and resuscitation.
 - Prescribe drugs.
 - Carry out practical procedures.
 - Evaluate potential benefit and harm of the treatment to the patient.
 - Communicate effectively in a medical context.
 - Apply ethical and legal principles in medical practice.
 - Assess psychological and social aspects of a patient's illness.
 - Apply the principles, skills and knowledge of evidence-based medicine.
 - Use information and information technology effectively in a medical context.
 - Apply scientific principles, method and knowledge to medical practice and research.
 - Promote health, engage with population health issues and work effectively in a health care system.
 - Work in multidisciplinary team as a member of the team, as well as a leader.
- Clearly formulate objectives, negotiate them with group members, coordinate their work, adequately assess the abilities of each group member, and manage conflicting and critical situations

Making judgments

Graduate will be able to:

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- Critically analyze incomplete and contradicting data.
- Conduct differential diagnosis.
- Form and prove diagnosis using the evidence based principles, knowledge and skills.

Communications skills

Graduate will be able to:

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- Communicate effectively orally and in writing in a medical context.
- Observe, listen, ask questions, and maintain non-verbal communication

Learning skills

Graduate will be able to:

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- Use educational informational resources while managing her/his own learning process.
- Organize schedule, set priorities, comply with deadlines and accomplish agreed objectives.
- Obtain, process and critically evaluate the data (information) from different sources.
- Appreciate the necessity of lifelong learning and continuous professional development in medical profession.
- Objectively assess her/his own knowledge and skills.
- Use data and information technologies effectively in medical context

Learning outcomes:

Values

Graduate will be able to:

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- Use ethical and legal principals in daily work.
- Protect patients' rights.
- Communicate, Negotiate and resolve conflicts in professional context with anyone, despite their social, cultural, religious or ethnic affiliation.
- Establish relationships with patients and colleagues based on equality, social and democratic values.

General competencesAnalyzing and synthesize skills

Critical assessment of difficult, half-time and contradictory data. Independent analyzing of them, presentation of the conclusion understandably and using them. Critical method of approach of new information, analyzing different data, summarizing them, integration, making conclusion, giving against arguments or evidences during analyzing results.

Information management

Obtaining information from different sources, work on the large volume of information and critical assessment of it. Using the information in his/her profession.

Problem solving/ decision-making

Can independently define complex problems, find the ways to solve them, evaluate the anticipated results and make the final decision. Is aware and uses the appropriate additional resources in own profession.

The ability to work in team

Has ability to work in a team, as a team member, as well as a leader. Can formulate the objectives clearly, negotiate with team members, coordinate their work and evaluate their abilities adequately, manage conflict and critical situations.

Communication skills

Observing, listening, asking questions, also nonverbal communication skills. Is able to participate in meetings and making considerations by heart or in written form. Conduct professional negotiations and participate in conflict resolution.

Learning/knowledge renewal skill

Using the learning-information resources, manage his/her own learning process. Understanding the need for continuous renewal of knowledge; Assessment of own knowledge and skills objectively.

Ability to adapt to new environment

Skills for working with the team; ability for professional subordination/adaptation; ability to learn new technologies.

Skills of working independently

Skills of managing time, choosing priorities, adherence to the dates and making agreed work. Is able to plan resources correctly. Is responsible of own results and is able to assess and criticize it

Learning objectives in educational program of medicine are mainly defined by the Georgian descriptor of competences for primary medical education, standards set by the World Federation of Medical Education (WFME) and learning outcomes/competences for primary medical degree recommended by TUNING/MEDINE project.

Date of approval: 02-26-2016

Approval protocol number: 07-16

Date of program update: 05-27-2016

Update protocol number: 19/16

Program details: The program has 360 ECTS and includes 6 years of teaching. It consists of compulsory (326 ECTS) and optional (34 ECTS) components, 12 –of which are for language components.

Teaching Process Characteristics:

The program consists of theoretical and laboratory teaching, as well as practice, which is implemented within the courses based on the thematic direction. Theoretical lectures can be concurrently conducted in two and more groups. A semester offers clinical rotations of medical profiles that consider daily and intensive teaching and is organized as in the university campus as well as in the affiliated medical institutions. The students' number in laboratory and practical groups is not more than 15. The practical training is conducted using mentor system, as for the evaluation of clinical and professional skills the structured (integrated) evaluation system in simulation and clinical setting is used.

Program Core

Code	Subject	ECTS	Semester
MD1110E	Human Body - Structure and Function I	12	1
MD1120E	Biochemistry I	4	1
MD1130E	Genetics and molecular biology I	3	1
MD1140E	Latin for medical professions	5	1
MD1210E	Human Body - Structure and Function II	12	2
MD1220E	Biochemistry II	4	2
MD1230E	Genetics and molecular biology II	3	2
MD1240E	Basic Microbiology and Bacteriology	4	2

MD1290E	Research and Clinical Skills I	4	2
MD2110E	Human Body - Structure and Function III	10	3
MD2120E	Biochemistry III	4	3
MD2130E	Ecology and general hygiene	3	3
MD2140E	Virology, Mycology and Parasitology	3	3
MD2150E	Fundamentals of Bioethics and Medical law	3	3
MD2190E	Research and Clinical Skills II	4	3
MD2210E	Human Body - Structure and Function IV	10	4
MD2220E	Biochemistry IV	4	4
MD2230E	Fundamentals of Pathology	5	4
MD2240E	Immunology and Medical Microbiology	4	4
MD2290E	Research and Clinical Skills III	4	4
MD3110E	Clinical Pathology I	6	5
MD3120E	Basics of Disease and Diagnosis I	7	5
MD3130E	Sociology of health and disease	3	5
MD3140E	Basic pharmacology I	5	5
MD3150E	Epidemiology, Biostatistics and Public Health	6	5
MD3210E	Clinical Pathology II	6	6
MD3220E	Basics of Disease and Diagnosis II	7	6
MD3230E	Introduction to psychology for medical professions	3	6
MD3240E	Basic pharmacology II	5	6
MD3250E	Fundamentals of Radiology	4	6
MD3290E	Portfolio I	2	6

Credits sum: 159

Program Elective

Code	Subject	ECTS
INFO1113E	MS Office	3
MD1320E	Health Promotion	3
HELM4150E	SPSS: Data Analysis and Formation in healthcare	3
MD3320E	Introduction to Database Management	3
MD3330E	Healthcare informatics	3
MD3340E	Medical Tourism and Telemedicine	3
MD6310E	Pharmacotherapy	3
MD6320E	Practice in Laboratory Medicine	3
MD6330E	Modern Ophthalmology	3
MD6340E	Reproductive Medicine	5
MD6350E	Family medicine, advanced course	5
MD6360E	Trauma in Emergency Medicine	5
MD6370E	Cardio-vascular Surgery	5

Credits sum: 47

Mandatory Elective

Code	Subject	ECTS
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ENGL3115	English language V (B2/1)	3
MDGEO1110E	Georgian I	3
ENGL3215	English language VI (B2/2)	3
MDGEO1210E	Georgian II	3
MD1330E	English for medical professions - communication with patients	3
MDGEO2110E	Georgian III	3
MD1340E	English for medical professions - hospital and clinic	3
MDGEO2210E	Georgian IV	3

Credits sum: 24

Code	Subject	ECTS	Semester
MD4110E	Internal Medicine I	14	7
MD4120E	Surgery I	14	7
MD4130E	Introduction to family medicine	2	7
MD4210E	Obstetrics	6	8
MD4220E	Neurology	8	8
MD4230E	Hematology, transfusiology	4	8
MD4240E	Traumatology and Orthopedy	4	8
MD4250E	Dermatology	2	8
MD4260E	Infectious diseases	6	8
MD5110E	Internal Medicine II	14	9
MD5120E	Pediatrics	8	9
MD5130E	Gynecology	8	9
MD5210E	Surgery II	10	10
MD5220E	Anesthesiology and reanimatology	6	10
MD5230E	Psychiatry and clinical psychology	8	10
MD5240E	Emergency medicine	6	10
HELM2210E	Health Care Management	6	11
MD6120E	Clinical thinking, Differential diagnosis	5	11
MD6130E	Basics of alternative medicine	3	11
MD6140E	Family Medicine	6	11
MD6150E	Clinical Pharmacology	4	11
MD6160E	Oncology	4	11
MD6170E	Palliative care	2	11
MD6210E	Fundamentals of health care quality and patients safety	6	12
MD6220E	Small clinical research	5	12
MD6230E	Forensic medicine	4	12
MD6290E	Portfolio II	2	12

Credits sum: 167

Evaluation system

Weekly review	36 point / 36%;
Research Paper	10 point/ 10%;
Midterm exams	24 point / 24%;
Final exam	30 point / 30%

Point	GPA	The university assessment	The general assessment in Georgia	
97-100	4,00	A+	A	Excellent
94-96	3,75	A		
91-93	3,50	A-		
87-90	3,25	B+	B	Very good
84-86	3,00	B		
81-83	2,75	B-		
77-80	2,50	C+	C	good
74-76	2,25	C		
71-73	2,00	C-		
67-70	1,75	D+	D	Satisfactory
64-66	1,50	D		
61-63	1,25	D-		
51-60	1,00	E	E	Sufficient
Not passed				
41-50		FX	FX	Insufficient
<40		F	F	Failed

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