Sulkhan-Saba Orbeliani
UNIVERSITY

Bachelos/Master/PhD Program

Title of the Program	Medicine
Program Director	Jilda Cheishvili
The language of instruction	English
Qualification Granted	Medical Doctor
Volume of the educational Program in credits	360 ECTS (1 ECTS = 30 hours) 12 semsters. The duration of one semester in 20 weeks.. One academic year includes two semsters and consists 60 ECTS. One ECTS is 30 astronomic hours. Based on program specification and/student's individual workload, per year volume of credits can vary -more or less then 60, but could not exceed 75 credits (once during whole six years).
Date of Program Approval **Protocol Number**	16.04.2025 №03-25

Program Objectives

The aim of the programme is to provide students with:

1. To achieve the latest and in-depth knowledge in basic biomedical, behavioural, clinical and social sciences;

2. To develop clinical and research skills, which will match the corresponding study cycle, in medical and social sciences, find the latest material independently and apply critical analysis skills to resolve clinical issues;

3. To promote public healthcare by providing citizens and patients with effective care in consideration of professional and ethical values;

4. To be ready for continuous expansion of knowledge for future professional development.

Learning Outcomes

Knowledge and Comprehension

1. Describe's the human organism's macro and micro structure in norm and pathology (from cells to organ systems), embryonic development, organism's metabolism and human development.
2. Does interpretation of knowledge of fundamental issues of biomedical, social, behavioural, healthcare, research and clinical sciences.

Skills

3. Based on the analysis of information (anamnesis) collected through effective communication in the medical environment (including in Georgian), gives advice to the patient/patient's relatives, communicates with colleagues and the public adhering to ethical and legal principles with empathy, respect, and sympathy;
4. Makes the final diagnosis and discusses the disease management plan by conducting a physical evaluation, identifying the complexity of the clinical manifestation of the disease, scheduling appropriate appointments, and conducting a differentiated diagnosis;
5. Provide's basic life support (BLS and others) in consideration of age-related characteristics and in accordance with guidelines.
6. Subscribe's medical remedies and conduct medication therapy which corresponds a patient's clinical condition in view of their compatibility, side effects, and age groups.
7. Hold's compulsory, medical practical procedures on the manequen independently /SP (standatise)/ real patients (under supervision) in view of safety and in compliance of ethical and legal principles.
8. As a team member provide's effective solutions to clinical issues and make decisions in a critical situations.
9. Perform's medical activities in a multicultural environment following ethical and legal principles and norms envisaged in the legislation of Georgia and internationally.
10. Manage's acute and chronic diseases and distress in a view of patients' age, disease type, psychological and sociological aspects.
11. Searches medical information from relevant scientific databases using evidence-based medicine (EBM) principles and the PICO method, formulates conclusions based on critical analysis and evaluation, considering academic integrity and ethical context;;
12. Effectively use information and confidentiality of information technology to keep medical documents;
13. Defines research questions (RQ), conducts research (systematic review/survey) after problem identification, literature review, and research design development, formulating conclusions and recommendations based on data analysis;
14. Update's knowledge in the healthcare sector and adapt to a new environment;
15. Analyse and manages necessary complex information to ensure health of population and encourage and promote healthy lifestyle, as individual as well as population level.

Responsibility and Autonomy

16. Perform entrusted responsibilities effectively in an interdisciplinary and multicultural environment for the purposes of promoting healthy workability population.

Program Admission Requirement

The programme admission precondition is as follows:

Citizen's of Georgia

Enrollment in the program is carried out on the basis of the results of the unified national exams (ranking document) or in the cases defined by the law of Georgia on higher education, in accordance with the established rules, on the basis of administrative registration and the order of the rector.

Without unified national exams:

- For citizens of a foreign country and stateless persons who received a complete general education or its equivalent education in a foreign country.
- Citizens of Georgia who received full general education and studied the last 2 years of full general education in a foreign country (English Speaking country)
- For citizens of foreign countries (except for students participating in a joint higher education program and students participating in an exchange education program), who study/studied and received credits/qualifications in a foreign country in a higher education institution recognized in accordance with the legislation of this country;
- For citizens of Georgia (except for students participating in the joint higher education program and students participating in the exchange education program), who live/lived, study/studied and received credits/qualification in a foreign country at a higher educational institution recognized in accordance with the legislation of this country for the period determined by the Ministry of Education, Science, Culture and Sports of Georgia.

English Language Component:

• In the case of unified national exams, passing the English language is a necessary condition (taking into account the coefficients established by the university and the subject minimum threshold);

• Assessment/confirmation of the English language component for foreign students is carried out: by presenting a certificate of at least B1 level of English language (IELTS, TOEFL, Cambridge English, UNIcert®) EnglishScore, etc.

Or

• For applicants who are citizens of a foreign country with English-language education, upon presentation of relevant documents (e.g. attestation, certificate, etc.) and also for Georgian citizens who have received full general education in a foreign country in English, or its equivalent education, and who have completed general education in the last 2 years, studied in a foreign country and presents a relevant document (e.g. certificate, certificate, etc.)

Or

• In case of passing the standardized (4-component: listening, reading comprehension, analysis and speaking) exam organized by the Foreign Language Center of Sulkhan-Saba Orbelian University, where the above-mentioned level of English language knowledge (B1) will be confirmed;

During the mobility, students enrolled in the university according to the order of the minister N10/N (04.02.2010) on the transfer from a higher educational institution to another higher educational institution.

Note: By the end of the first academic year, students must confirm their English language proficiency at B2 level. Students enrolled in the program are required to take English language courses (B2.1 and B2.2 levels) during the first academic year without earning credits, or present an international certificate corresponding to B2 level knowledge (IELTS, TOEFL, Cambridge English, UNIcert®, EnglishScore, etc.)/pass the university's internal English exam by the end of the academic year. A student who presents an international certificate corresponding to B2 level knowledge (IELTS, TOEFL, Cambridge English, UNIcert®, EnglishScore, etc.) upon enrollment in the program, or confirms English language B2 level in the university's internal language proficiency exam, is exempt from this obligation. A student who fails to confirm English language proficiency at B2 level after the completion of the first academic year will have their student status suspended until language competency is confirmed.

Teaching and learning methods

☒ Lecture ☒Working in group ☒Pratical work ☒ seminar☒Teaching by electronic resources ☐ e-learning

☒ Other

FC, PBL, CBL, Brainstorming , Role play, Group Work , TBL, Teaching using simulators, Teaching SP/real/VR patient, Lab work, Ambulatory teaching, Case study, Demonstration method

Evaluation system for student's knowledge

Mastering the educational component provided by the educational program of medicine assumes the active participation of students in the teaching process and is based on the principle of continuous evaluation of acquired knowledge.

In executing the educational Programme of Medicine, the achievement of students' learning outcomes is assessed in accordance with the evaluation system approved by the Order No.3 of 5 January 2007 of the Minister of Education and Science on the Procedure of Calculating Higher Educational Programs by Credits.

The evaluation of the achievement level of students' learning outcome in the study component of the educational programme includes mid-term (one-time or multiple-time evaluations) and final examinations, both of which are worth the maximum of 100 points.

In the programme "Medicine", student evaluation is based on Miller's pyramid. On the lowest level of the pyramid is 'knowledge'. The next level stands for 'application of knowledge'. The third tier of the pyramid represents 'clinical skills competency', and finally, on top of the pyramid is 'clinical performance'. From 'knowledge' to 'clinical performance', students are formed into professionals in the course of the entire academic year.

The modern assessment methods are used in a different study courses according to Miller's pyramid levels: Oral examinations, Essays, Q/A, MSQ- multiple choice answer questions , single best answers (SBA), extended match questions -EMQ; moddify Essay Question - MEQ , ect.

Students' achievements are evaluated through the various methods, such as clinical skills assessment, laboratory work assessment, practical skills assessment, CBD, presentations, OSCE , Log – Book, Mini -Cex , ect.

As a rule, study courses evaluation system includes as follows: current activities in each semester (40 points), a mid-term exam (20 points), and a final exam (40 points). Students who fail to get 41 points after semester and final examination scores are announced are not entitled to take an additional examination. Students who get 41-50 points may take an additional examination. Students must take an additional examination a no less then of five days after examination results are announced.

Each syllabus reflects the method of evaluation. Students recieve information at the beginning of the academic semester. Each syllabus reflects the threshold of midterm and final assessments. Students are notified at the beginning of the academic semester.

Five types of positive evaluation:

(A) Excellent	91-100 points of maximum evaluation;
(B) Very Good	81 - 90 points of maximum evaluation;
(C) Good	71 - 80 points of maximum evaluation;
(D) Satisfactory	61 - 70 points of maximum evaluation;
(E) Sufficient	51 - 60 points of maximum evaluation.

Two types of negative evaluation:

(FX) Unsatisfactory	41-50 score of total evaluation, meaning that a student requires more work to pass and is given the right to attempt an additional examination by means of independent work;
(F) Failed	40 and less points that means the work of the student is not sufficient and he/she has to retake the course.

In the learning component of the educational program, in case of getting the FX, an additional exam will be appointed within no later than 5 calendar days after announcing the final exam results. The amount of points received in the final evaluation is not added to the evaluation received by a student for the additional examination. The evaluation obtained during the additional exam is the final one and it will be reflected in the final evaluation of the teaching component of the educational program. Considering the evaluation at the additional exam, if a student receives 0-50 points in the final evaluation of the educational component, a student will have F-0 points assigned.

Field of employment:

The graduate of one-cycle higher education programme (Medical Doctor) is not granted to run the independent medical practice according to the applicable legislation, she/he can be:

- Employed as a Junior Doctorn under the responsibility of an independent medical practitioner (Law of Georgia "On Medical Activities" June 8, 2001, Article 5)
- Carry out research and teaching activities in the theoretical fields of medicine or other fields of health care that do not include an independent medical practice.

Continuous Learning Opportunities

A person with the academic degree of a Certified Doctor has the right to continue his/her doctoral studies, or to take a residency course and to obtain the right to independent medical practice after passing the Unified State Certification Exam. The academic degree of a Certified Doctor, as a degree equal to a master's degree (Law on Higher Education, Article 47[1]), entitles to a doctoral degree program.

Material resources necessary for the program implementation

Studying, research and clinical activities for the medical program is carried out the following structural areas:

- At Sulkhan-Saba Orbelian University's auditory
- In hospitals based on agreement/memorandum with the university;

Premises _ the programme is carried out in the building owned by the university. In the building, sanitary, hygiene and security norms are observed, signalisation is installed, fire extinguishers are available, on-site video control is also underway and order is maintained by a university's guard.

There is the Clinical Simulation Center and Lab rooms (Biochemistry, Microbiology, Histology, Pathology and Anatomy teaching laboratories) at the university.

Library Resources -The university library focuses on providing the university's academic and invited personnel as well as students with required information on teaching and research processes.

The library is provided with all special inventory and equipment necessary to carrying out the corresponding activities. Printed and electronic materials required for the medicine programme are also available for students and the invited and academic personnel at the university's library. The library has the reading hall is provided with the corresponding inventory (chairs, tables, and computers). The library also has a multifunctional photocopier machine which students may use with the help of a library employee. Students and the academic personnel have unrestricted access to different international scientific databases (EBSCO, HeinOnline, Elsevier , Scopus, Science Direct, Scival Funding Westlaw, and oters. The library has an electronic cataloge OpenBiblio.

Working space for the academic personnel – the working space with its inventory and equipment such as chairs, tables, bookcases, computers, and multifunctional photocopier is available for the academic personnel.

Information-Communication Technologies – For purposes of conducting academic program, University uses information-communication technologies. Namely, relevant software packages, computers, internet services meet modern requirements to standards and they are available for students, academic personnel, invited and visiting teachers, instructors and administrative staff. In order to increase a quality of teaching process, University launches computer-based management system to carry out the program components, ensure transparency, bettering assessment of student achievments, and sustain learning process. Catalogs about education programs as well as any kind of information about learning process are available at university website. University ensures information publicity and availability.

Characteristics of Organizing Studies

The educational program has a consistent structure provided by the legislation of Georgia (compulsory (special and general) and elective (special and general) training courses), which provides according to the principle of imparting knowledge: from general to specific, from simple to complex.

To complete the medical education program, the student must accumulate 360 credits, which are distributed as follows:

Field studying courses - **335 (ECTS),** including:

- Compulsory study courses (317 ECTS)
- Elective courses 18 (ECTS)

General styding courses - **25 (ECTS),** including:

- Compulsory study courses 16 (ECTS);
- Elective training courses 9 (ECTS);

The program is focused on ensuring the achievement of the competencies required for the activities of a junior doctor in the medical field, which is possible based on the synthesis of knowledge and skills achieved as a result of overcoming the educational and scientific-research component of the program, taking into account the competencies of a graduated physician determined by the framework of higher education qualifications and the sectoral characteristics benchmarcks of medicine, and the requirements of the employment market.

The program corresponds to eighth step of the integrated curriculum defined by Ronald Harden, which means that the curriculum is dominated by integrated learning components.

The program is based on the principle "From discovery to recovery", which is preceded by a base phase.

In the first stage of teaching, horizontal integration is provided, which allows the student to see the structure, function, etc of the human system from different angles under different disciplines.

Most of the clinical courses are presented in the form of a basic clerkship (Core Clerkship), the disciplines where the training of the clinical component is strengthened were selected taking into account the percentage distribution of morbidity and mortality and the need for medical personnel, based on the World Health Organization (WHO) and Georgia Disease Control (NCDC) data.

The teaching of the Georgian language in the program is spread over four semesters (16 ESTS in total), which allowed the student to socialize in the Georgian reality on the one hand, and to establish communication with the patient at the clinical level of teaching on the other hand. different languages (16 ESTS) is offered to Georgian-speaking students as a counterbalance to Georgian language.

Research component - represented by 22 ESTS. It starts from the second semester of teaching (the academic writing course) and continues in the following semesters (Research in Medicine I, Research in Medicine II, Research in Medicine III) where students are introduced to the elements of epidemiology, research methods, methodology, ways of data collection, biostatistical analysis of data, evidence-based medicine and others, is completed in the last year with a research project (8 ESTS), where the student must carry out research (plan-conduct-analyze-

present), which contributes to the development of research-scientific skills of a graduated medical doctor.

The program is presented in four phases:

I Phase (Basic) -(I-IV semester)

- It provides for the study of the structure and function of the body in the norm. Fundamental study of the biomedical, behavioral, and social sciences in integration with clinical and research skills components. Students will learn about the structure of the human body, physiology, and life sciences. The student is introduced to clinical and professional skills (communication and clinical skills, ways to solve ethical dilemmas, etc.)

II Phase – (preclinical) (V- VI semester)

- Knowledge gained at the basic level will be built upon by studying disease pathogenesis, pharmacology, physical assessment, and deepening clinical skills. The preclinical phase is focused on teaching the symptoms and signs of widespread diseases that most clearly reflect the main objectives of the respective training courses. At the same time students train in physical assessment skills, learn diagnostic reasoning in the different field, which helps integration of gained knowledge and prepares students for the study in the clinical environment.

III phase (Clinical) (VII- XI semester)

● In the clinical phase, knowledge and skills are deepened in clinical areas. Students study basic clinical courses in the form of clinical rotations - internal medicine -core clerkship (system based), surgery - core clerkship, physiological and pathological obstetrics –core clerkship, pediatrics –core clerkship, etc. In parallel, students continue to develop clinical and professional skills, which include perfecting professional behavior in enhancing clinical skills in the clinical setting. Training is carried out in a clinical environment, in the teaching hospital bases of the university, in the relevant departments of the training courses.

Phase IV (clinical practice and research phase)

(XII semester)

● In this phase, clinical practice is carried out in Primary Health Care family Medicine- Core Clerkship, , Emergency and Critical Care Medicine – core Clerkship, during which the student will strengthen clinical skills, under the supervision of the lecturer (after informed consent of the patient). Manipulations and procedures to be carried out (within the scope of competence) in the relevant department, at the same time during the whole semester independently conducts research activities in the direction of interest to them (individually chosen by the student), which will contribute to the formation of the student as a professional in the global context.

№	Prerequistes	Moduls/Courses	ECTS											Workload Schedule		
			I year		II year		III year		IV year		V year		VI year	Total contact hours		Independent work
			Semester													
			I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII		
	Program Component															
	Compulsory study courses															
1.	N/A	Fundamentals of biomedical science	7/210												103	107
2.	N/A	Body Structure I	8/240												115	125
3.	N/A	Biophysics and Medical Physics	3/90												42	48
4.	N/A	Introduction to Psychology	3/90												40	50

5.	N/A	Proffesional Aspects I	5/150												80	70
6.	N/A	Georgian Language A1.1[1]	4/120												65	55
7.	N/A	French Language 1/German Language 1/Russian Language 1	4/120												65	55
8.	Fundamentals of biomedical Science	Molecular Biology and Genetics		4/120											48	72
9.	Body Structure I	Body Structure II		8/240											115	125
10.	Fundamentals of biomedical science, Body Structure I	Body Function I		7/210											103	107
11.	N/A	Academic Writing		3/90											37	53
12.	Georgian Language A1.1	Georgian Language A1.2		4/120											65	55

[1] Georgian language is offered as a foreign language component for International students, and Italian language for Georgian students

13.	French Language 1/German Language 1/Russian Language 1	French Language 2/German Language 2/Russian Language 2		4/120												65	55
14.	Proffesional Aspects I	Proffesional Aspects II		4/120												65	55
15.	Body Structure II	Body Structure III			8/240											115	125
16.	Body Function I	Body Function II			8/240											113	127
17.	Proffesional Aspects II	Proffesional Aspects III			7/210											110	100
18.	Proffesional Aspects II	Health Informatics			3/90											44	46
19.	Georgian Language A1.2	Georgian Language A2.1			4/120											65	55
20.	French Language 2/German Language 2/Russian Language 2	French Language 3/German Language 3/Russian Language 3			4/120											65	55
21.	Body Structure III	Body Structure IV				8/240										115	125

22.	Body Function II	Body Function III				7/210									103	107
23.	Molecular Biology and Genetics	Immunology				4/120									48	72
24.	Proffesional Aspects III	Proffesional Aspects IV				4/120									65	55
25.	Georgian Language A 2.1	Georgian Language A2.2				4/120									65	55
26.	French Language 3/German Language 3/Russian Language 3	French Language 4/German Language 4/Russian Language 4				4/120									65	55
	Elective courses (general)															
27.	N/A	Moral Theology and Theological Bioethics				3/90									30	60
28.	N/A	Christianity and Ethics				3/90									30	60
	Compulsory study courses															
29.	Body Function III, Immunology	Microbiology I					4/120								63	57

30.	Body structure IV, Body Function III, Immunology	Basics of Clinical Science I					8/240								115	125
31.	Body Structure IV, Body Function III, Proffesional Aspects IV	General Principles of Diagnostic I					8/240								120	120
32.	Academic Writing	Research in Medicine I					4/120								48	72
33.	Proffesional Aspects II	Public Health and Medical Sociology					3/90								48	42
	Elective courses (general)															
34.	N/A	Key Concepts of Politics					3/90								33	57
35.	N/A	Introduction to Philosophical Anthropology					3/90								33	57
	Compulsory Study Courses															
36.	Microbiology I	Microbiology II						4/120							48	72
37.	Basics of Clinical Science I	Basics of Clinical Science II						8/240							115	125

38.	General Principles of Diagnosis I	General Principles of Diagnosis II						8/240							120	120
39.	Public Health and Medical Sociology	Healthcare management						4/120							54	66
	Elective courses (general)															
40.	N/A	Gender and Human Rights						3/90							48	42
41.	N/A	Social Justice						3/90							48	42
	Elective courses															
42.	N/A	Doctor as a Teacher						3/90							48	42
43.	Public health and medical sociology	Environmental health and lifestyle						3/90							48	42
	Compulsory study Courses															
44.	General principles of diagnostic II, Basics of Clinical Science II	Internal Medicine I - Core Clerkship							8/240						125	115

45.	General principles of diagnostic II, Basics of Clinical Science II	Neurology- Core Clerkship							6/180						101	79
46.	General principles of diagnostic II, Basics of Clinical Science II,Microbiology II	Infectious Diseases- Core Clerkship							6/180						108	72
47.	General principles of diagnostic II, Basics of Clinical Science II	Surgery I- Core Clerkship							6/180						110	70
48.	Research in Medicine I	Research in Medicine II							4/120						48	72
	Compulsory study Courses															
49.	Internal Medicine I - Core Clerkship	Internal Medicine II - Core Clerkship								8/240					125	115
50.	Surgery I- Core Clerkship	Surgery II- Core Clerkship								7/210					125	85

51.	General principles of diagnostic II, Basics of Clinical Science II, Infectious Diseases- Core Clerkship	Dermatovenerology								4/120					71	49
52.	Neurology- Core Clerkship , Introduction to Psychology	Psychiatry and Clinical psychology- Core Clerkship								5/150					89	61
53.	Research in Medicine II	Research in Medicine III								3/90					48	42
	Elective courses															
54.	Internal Medicine I - Core Clercship	Obesity management								3/90					51	39
55.	Neurology Core clerkship	Pain Management								3/90					51	39
	Compulsory study Courses															
56.	Internal Medicine II - Core Clerkship	Internal Medicine III - Core Clerkship									8/240				125	115

57.	General principles of diagnostic II, Basics of Clinical Science II	Pediatrics- Core Clerkship									8/240				101	139
58.	Surgery II- Core Clerkship	Surgery III- Core Clerkship									5/150				89	61
59.	Surgery I- Core clerkship, Neurology core clerkship, Internal medicine II- Core Clerkship	Ophthalmology									3/90				55	35
60.	Surgery I- Core clerkship, Neurology core clerkship	Otorhinolaryngology									3/90				55	35
	Elective courses															
61.	Health management	Medical Tourism									3/90				48	42
62.	Health management	Telemedicine									3/90				48	42
	Compulsory study Courses															

63.	Internal Medicine III - Core Clerkship	Internal Medicine IV- Core Clerkship										9/270			159	111
64.	Internal Medicine III core clerkship Surgery III- Core clerkship	Forensic Medicine										3/90			57	33
65.	N/A	Introduction to Medical Law										2/60			34	26
66.	Surgery I- Core clerkship	OBG physiology and pathology- Core clerkship										8/240			137	103
67.	Healthcare management	Populatin Health										5/150			78	72
	Elective courses															
68.	Basics of Clinical Science II, Neurology core clerkship	Drug Abuse										3/90			48	42
69.	Neurology- Core Clerkship Pediatrics- Core Clerkship	Child Neurology										3/90			48	42
	Compulsory Study Courses															

70.	Internal Medicine IV -- Core Clerkship	Internal Medicine V											7/210		113	97
71.	Internal Diseases IV Core Clerkship ; Neurology- Core Clerkship; Surgery III- Core Clerkship	Rehabilitation											4/120		68	52
72.	OBG physiology and pathology- Core clerkship	Women's health											6/180		108	72
73.	Internal Medicine IV- Core Clerkship , Surgery III- Core Clerkship,Neurology- Core Clerkshi	Anesthesiology – Core Clerkship											6/180		101	79
74.	Internal Medicine V - Core Clerkshi	End of Life care											7/210		109	101
	Compulsory Study Courses															

75.	Internal Medicine V, rehabilitation medicine, Womenth health, End f life care	Primary healthcare- Family Medicine- Core Clerkship												8/240	145	95
76.	Surgery III – core clerkship, Neurology-core clerkship, Anesthesiology - Core clerksip, Internal Medicine V	Emergency Medicine and Intensive Care - Core Clerkship												8/240	145	95
77.	All compulsory courses (including XI semester)	Research Project												8/240	65	175
	Elective courses															
78.	Internal medicine V, Anestesiology Core clerkship	Cardiac Surgery												6/180	108	72
79.	Internal Medicine V ,Neurology- Core Clerkship, Surgery III- Core Clerkship	Oncosurgery												6/180	108	72

Semester	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Distribution of credits over academic year	60		60		60		60			60		60
Total	360											

Map of the program objectives and learning outcomes	
Program Objectives	**Learning Outcomes**
1. To achieve the latest and in-depth knowledge in basic biomedical, behavioural, clinical and social sciences.	1. Describe's the human organism's macro and micro structure in norm and pathology (from cells to organ systems), embryonic development, organism's metabolism and human development. 2. Does interpretation of knowledge of fundamental issues of biomedical, social, behavioural, healthcare, research and clinical sciences.
2. To develop clinical and research skills, which will match the corresponding study cycle, in medical and social sciences, find the latest material independently and apply critical analysis skills to resolve clinical issues.	3. Based on the analysis of information (anamnesis) collected through effective communication in the medical environment (including in Georgian), gives advice to the patient/patient's relatives, communicates with colleagues and the public adhering to ethical and legal principles with empathy, respect, and sympathy; 4. Makes the final diagnosis and discusses the disease management plan by conducting a physical evaluation, identifying the complexity of the clinical manifestation of the disease, scheduling appropriate appointments, and conducting a differentiated diagnosis; 5. Provide's basic life support (BLS and others) in consideration of age-related characteristics and in accordance with guidelines. 6. Subscribe's medical remedies and conduct medication therapy which corresponds a patient's clinical condition in view of their compatibility, side effects, and age groups. 7. Hold's compulsory, medical practical procedures on the manequen independently /SP (standatise)/ real patients (under supervision) in view of safety and in compliance of ethical and legal principles. 8. As a team memb er provide's effective solutions to clinical issues and make decisions in a critical situations. 9. Perform's medical activities in a multicultural environment following ethical and legal principles and norms envisaged in the legislation of Georgia and internationally 10. Manage's acute and chronic diseases and distress in a view of patients' age, disease type, psychological and sociological aspects.

	. 11. Searches medical information from relevant scientific databases using evidence-based medicine (EBM) principles and the PICO method, formulates conclusions based on critical analysis and evaluation, considering academic integrity and ethical context; 12. Effectively use information and confidentiality of information technology to keep medical documents; 13. Defines research questions (RQ), conducts research (systematic review/survey) after problem identification, literature review, and research design development, formulating conclusions and recommendations based on data analysis
3. To promote public healthcare by providing citizens and patients with effective care in consideration of professional and ethical values.	15. Analyse and manages necessary complex information to ensure health of population and encourage and promote healthy lifestyle, as individual as well as population level. 16. Perform entrusted responsibilities effectively in an interdisciplinary and multicultural environment for the purposes of promoting healthy workability population.
4. To be ready for continuous expansion of knowledge for future professional development.	14. Update's knowledge in the healthcare sector and adapt to a new environment;

N	Module/Courses	Courses Status	Program Learning Outcomes															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Basic of Biomedical Sciences	I	I															
2	Body Structure I	I	I															
3	Biophysics and medical Physics	I		I														
4	Introduction to Psychology	I	I	I								I						
5	Proffesional Aspects I	I		I	I				I		I							
6	Foreign language 1	I			I													
7	Molecular Biology and Genetics	I	I															
8	Body Structure II	I	I															
9	Body Function I	I		I														

10	Accademic Writing	I		I														
11	Foreign language 2	I			I													
12	Proffesional Aspects II	I		I	I		I		I	I	I							
13	Body Structure III	I	I															
14	Body Function II	I	I	I														
15	Proffesional Aspects III	I		I	I				I	I	I							
16	Health Informatics	I		I										I				
17	Foreign language 3	I			I													
18	Body Structure IV	I	I															
19	Body Function III	I	I	I														
20	Immunology	I		I														
21	Proffesional Aspects IV	I/D		I	I		I/D		I	I	I							
22	Foreign language 4	I/D			I/D													
23	Microbiology I	I/D		I/D														
24	Basics of Clinical Science I	I/D	I/D	I/D				I		I								
25	General principles of diagnostic I	I/D	I/D	I/D	I/D	I			I/D	I	I			I/D				
26	Research in Medicine I	I/D		I/D									I		I	I	I	
27	Public Health and Medical Sociology	I/D		I/D												I	I	I
28	Microbiology II	I/D	I/D	I/D														
29	Basics of Clinical Science II	I/D	I/D	I/D				I		I/D								
30	General principles of diagnostic II	I/D	I/D	I/D	I/D	I			I/D	I/D	I/D			I/D				
31	Healthcare management	I/D		I/D												I	I/D	
32	Internal Medicine I - Core Clerkship	I/D	D	D	I/D	I/D		I/D	D	I/D	I/D	I/D		D			I/D	I/D
33	Neurology- Core Clerkship	I/D	D	D	D	I/D		I/D	D	I/D	I/D	I/D		D			I/D	I/D
34	Infectious Diseases- Core Clerkship	I/D	D	D	D	I/D		I/D	D	I/D	I/D	I/D		D			I/D	I/D
35	Surgery I core Clerkhip	I/D	D	D	D	I/D		I/D	D	I/D	I/D	I/D		D			I/D	I/D
36	Research in Medicine II	D		I/D									D		D	I	D	

37	Internal Medicine II - Core Clerkship	I/D	D	D	I/D	I/D		I/D	D	D	D	I/D		D			I/D	I/D
38	Surgery II -Core Clerkship	I/D	D	D	D	I/D		I/D	D	D	D	I/D		D			I/D	I/D
39	Dermatovener ology	I/D	D	D	D	I/D		I/D	D	D	D	I/D		D			I/D	I/D
40	Psychiatry and Clinical psychology- Core Clerkship	I/D	D	D	D	I/D		I/D	D	D	D	D		D			I/D	I/D
41	Research in Medicine III	D/M		D									D/M		D	D	D	
42	Internal Medicine III - Core Clerkship	D	D	D	D	D		D	D	D	D	D		D			D	D
43	Pediatrics- Core Clerkship	D/M	D	D	D	D/M		D	D	D	D	D		D			D	D
44	Surgery III Core Clerkship	D/M	D/M	D/M	D/M	D/M		D	D/M	D	D	D		D/M			D	D
45	Ophthalmology	D/M	D	D	D/M	D		D	D/M	D	D	D		D/M			D	D
46	Otorhinolaryngolo gy	D/M	D	D	D/M	D		D	D/M	D	D	D		D/M			D	D
47	Internal Medicine IV - Core Clerkship	D/M	D	D	D	D/M		D	D/M	D	D	D		D			D	D
48	Forensic Medicine	D		D							D			D				
49	Introduction to Medical Law			D	D						D			D				
50	OBG physiology and pathology- Core clerkship	D/M	D	D	D	D/M		D	D	D	D	D		D			D	D
51	Populatin Health	D/M		D												D	D	D
52	Internal Medicine V - Core Clerkship	D/M	D/M	D	D/M	D/M		D/M	D/M	D	D/M	D		D			D	D
53	Rehabilitation	D/M	D/M	D/M	D/M	D/M		D/M	D/M	D/M	D/M	D		D			D	D
54	Women's health	D/M	D/M	D/M	M	M		D/M	D/M	D/M	D/M	D		D			D	D
55	Anestesiology- Core Clerkship	D/M	M	D/M	M	M		D/M	M	M	M	D/M		D			D	D
56	End of Life care	D/M	M	M	M	M		D/M	D/M	M	D/M	D/M		D/M			D/M	D/M
57	Research Project	D/M		D/M									M		M	M	D	
58	Primary healthcare- Family Medicine- Core Clerkship	D/M	M	M	M	M		D/M	M	D/M	D/M	D/M		D/M			D/M	D/M

59	Emergency Medicine & Intensive Care - Core Clerkship	D/M	M	M	M	M	D/M	D/M	D/M	D/M	D/M	D/M		D/M			D/M	D/M

Course status

I –Introduction	D - Developing	M- Master

Map of the learning outcomes of the compulsory and elective courses of the program				
№	Subject	Learning Outcomes		
		Knowledge and Comprehension	Skills	Responsibility and Autonomy
1.	Fundamentals of biomedical science	✓	✓	
2.	Body Structure I	✓	✓	✓
3.	Biophysics and Medical Physics	✓	✓	
4.	Introduction to Psychology	✓	✓	
5.	Proffesional Aspects I	✓	✓	✓
6.	Georgian Language A1.1	✓	✓	✓
7.	French Language 1/German Language 1/Russian Language 1	✓	✓	
8.	Molecular Biology and Genetics	✓	✓	
9.	Body Structure II	✓	✓	✓
10.	Body Function I	✓	✓	✓
11.	Academic Writing	✓	✓	
12.	Georgian Language A1.2	✓	✓	✓
13.	French Language 2/German Language 2/Russian Language 2	✓	✓	
14.	Proffesional Aspects II	✓	✓	✓
15.	Body Structure III	✓	✓	✓
16.	Body Function II	✓	✓	✓
17.	Proffesional Aspects III	✓	✓	✓

18.	Health Informatics	✓	✓	
19.	Georgian Language A2.1	✓	✓	✓
20.	French Language 3/German Language 3/Russian Language 3	✓	✓	
21.	Body Structure IV	✓	✓	✓
22.	Body Function III	✓	✓	
23.	Immunology	✓	✓	✓
24.	Proffesional Aspects IV	✓	✓	✓
25.	Moral Theology and Theological Bioethics	✓	✓	
26.	Christianity and Ethics	✓	✓	
27.	Georgian Language A2.2	✓	✓	✓
28.	French Language 4/German Language 4/Russian Language 4	✓	✓	
29.	Microbiology I	✓	✓	✓
30.	Basics of Clinical Science I	✓	✓	✓
31.	General principles of diagnostic I	✓	✓	✓
32.	Research in Medicine I	✓	✓	✓
33.	Public Health and Medical Sociology	✓	✓	
34.	Key Concepts of Politics	✓	✓	✓
35.	Introduction to Philosophical Anthropology	✓	✓	
36.	Microbiology II	✓	✓	✓
37.	Basics of Clinical Science II	✓	✓	✓
38.	General principles of diagnostic II	✓	✓	✓
39.	Healthcare management	✓	✓	
40.	Social Justice	✓	✓	
41.	Gender and human rights	✓	✓	

42.	Doctor as a Teacher	✓	✓	
43.	Environmental health and lifestyle	✓	✓	
44.	Internal Medicine I - Core Clerkship	✓	✓	✓
45.	Neurology- Core Clerkship	✓	✓	✓
46.	Infectious Diseases- Core Clerkship	✓	✓	✓
47.	Surgery I- Core Clerkship	✓	✓	✓
48.	Research in Medicine II	✓	✓	✓
49.	Internal Medicine II - Core Clerkship	✓	✓	✓
50.	Surgery II- Core Clerkship	✓	✓	✓
51.	Dermatovenerology	✓	✓	✓
52.	Psychiatry and Clinical psychology- Core Clerkship	✓	✓	✓
53.	Research in Medicine III	✓	✓	✓
54.	Obesity management	✓	✓	✓
55.	Pain Management	✓	✓	
56.	Internal Medicine III - Core Clerkship	✓	✓	✓
57.	Pediatrics- Core Clerkship	✓	✓	✓
58.	Surgery III- Core Clerkship	✓	✓	✓
59.	Ophthalmology	✓	✓	✓
60.	Otorhinolaryngology	✓	✓	✓
61.	Medical Tourism	✓	✓	✓
62.	Telemedicine	✓	✓	
63.	Internal Medicine IV- Core Clerkship	✓	✓	✓
64.	Forensic Medicine	✓	✓	✓
65.	Introduction to Medical Law	✓	✓	✓

66.	OBG physiology and pathology- Core clerkship	✓	✓	✓
67.	Populatin Health	✓	✓	✓
68.	Drug Abuse	✓	✓	✓
69.	Child Neurology	✓	✓	
70.	Internal Medicine V	✓	✓	✓
71.	Rehabilitation	✓	✓	✓
72.	Women's health	✓	✓	✓
73.	Anesthesiology – Core Clerkship	✓	✓	✓
74.	Research project		✓	✓
75.	Primary healthcare- Family Medicine- Core Clerkship	✓	✓	✓
76.	End-of-Life Care	✓	✓	✓
77.	Emergency Medicine and Intensive Care - Core Clerkship	✓	✓	✓
78.	Cardiac Surgery	✓	✓	
79.	Oncosurgery	✓	✓	