

Discussed at the Faculty Board meeting:

Protocol № 013-21, 29.06.2021

Approved by the decision of the Governing Board:

Resolution №5, 16.08.2021

The latest changes were discussed at the meeting of the faculty council:

Protocol No. M 03-24, 15.04.2024

Approved by a resolution of the Governing Board:

Resolution No. 7, 23.04.2024

One-cycle Educational Program

Medical Doctor

Education level: One-cycle educational program

Language of instruction: English

Type of educational program: Academic, major

Name and code of the detailed field: 0912 Medicine

Qualification to be awarded: Medical Doctor (MD)

Duration of study: 6 Years (12 semesters)

Educational program length: 360 ECTS

Head(s) of the Educational Program :

Dr. Zaza Avaliani, Professor of Kutaisi University.

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Prerequisite for admission to the program

The following are admitted to the English-taught one-cycle educational program of a Medical Doctor:

A person with a certificate of complete general education or a document equivalent to it, who obtains the right to study at Kutaisi University on the basis of ranking the scores obtained on the Unified National Examinations.

To enroll in the program, the entrant is required to pass the following subjects:

A) Georgian language and literature, English language (minimum threshold 80%), biology.

B) One of the following subjects: Chemistry / Mathematics / Physics. Quoted seats for each subject are - 40%, 30%, 30%.

They have the right to study at the program without passing the Unified National Examinations:

Persons who, on the basis of the order of the Minister of Education and Science of Georgia № 224 / N of December 29, 2011 "On Approval of the Procedure for Submitting and Discussing Documents by Applicants / Master's Candidates / Students eligible to study at the Higher Education Institution without passing the Unified National Examinations / Common Master's Examinations" have the right to enroll in the University without passing the unified national exams. The mentioned persons are obliged to prove their English language proficiency at minimum B1 level in accordance with the "Rules for Determining the Language Competence of a Kutaisi University Student".

The program will also allow:

The order of the Minister of Education and Science of Georgia №10 / N (4.02.2010) on the “Rules for Transfer from the Higher Education Institution to Other Higher Education Institutions and Approval of Fees” students shall be enrolled in accordance with the mobility rules.

Program actuality

Medical work is the most important field in the field of health, which is concerned with maintaining and improving human health. Patient safety remains one of the most pressing problems in modern medicine, therefore, the training of highly qualified staff is our first task. One of the topical problems of modern medicine is patient safety. Consequently, the use of modern methods of prevention and treatment is urgent today, which requires the presence of highly qualified personnel, as the current market of medical personnel suffers from a shortage of relevant specialists. Modern, rapidly evolving high-tech research or treatment facilities and rapidly updated medical knowledge are leading to an increase in the number of identified pathologies in the early stages of the disease and the average life expectancy of the population.

The relevance of the Medical Doctor program is enhanced by the importance of having a state-level health care system." The COVID pandemic has posed new challenges in the healthcare sector and highlighted weaknesses of ineffective healthcare management. In many cases, specialists employed in medical institutions and rehabilitation centers lack modern knowledge and experience, which, in turn, affects the qualified service and quality of the patient. The problem can be solved only by raising the quality of teaching at the appropriate level of academic education and by implementing educational programs relevant to market demand.

The purpose of the program

The one-cycle educational program of a Medical Doctor aims to train a competitive professional in accordance with modern international standards, who: possesses the theoretical knowledge and practical skills required for professional activities (1); Guided by the principles of evidence-based medicine (2); Uses research and communication skills (3); Shares ethical norms and principles (4); Professionally evolving in an ever-changing environment (5).

Learning Outcomes

<p>1. Field knowledge</p>	<ul style="list-style-type: none"> • Profound knowledge of biomedical, behavioral, clinical, and social disciplines; • Describes the principles of diagnosis and treatment; • Describes health promotion and disease prevention; • Describes the ethical and legal principles of medical practice; • Analyzes the role of the doctor in the health care system.
<p>2. Carry out a consultation with a patient</p>	<ul style="list-style-type: none"> • Collects anamnesis; • Conducts a physical examination; • Assesses the status of the patient's psycho-emotional state; • Makes valid clinical decisions; • Gives patients advice and explanations, supports them.
<p>3. Assess clinical presentations, order investigations, make differential diagnoses, and negotiate a management plan</p>	<ul style="list-style-type: none"> • Assesses the complexity of the clinical manifestation of the disease, identifies them; • Appoints relevant investigators, interprets the results; • Conducts a differential diagnosis; • Discusses the disease management plan with patients and their caregivers; • Establishes a plan for the management of the patient's condition, in collaboration with the patient and his environment; • Cares for the terminal patient and his / her environment; • Manages chronic diseases.
<p>4. Providing first aid in emergency medical situations (First aid and resuscitation measures)</p>	<ul style="list-style-type: none"> • Identifies and evaluates emergency medical conditions; • Provides basic first aid, taking into account age characteristics (children, the elderly); • Implements basic life-saving measures in accordance with current guidelines; • Carries out extended life-saving measures in accordance with current guidelines; • Treats injuries in accordance with current guidelines.

5. Drug prescription	<ul style="list-style-type: none"> • Prescribes medication clearly and correctly, taking into account the age of the patient; • Chooses drugs according to the clinical context; • Assesses the suitability of medications and other treatments for potential benefit and risk; • Manages pain and distress; • Analyzes drug compatibility and interaction when prescribing treatment.
6. Conducting Practical Procedures	<ul style="list-style-type: none"> • Evaluates vital signs: pulse, respiration, temperature; • Measures pressure; • Measures saturation; • Washes his/her hands properly; Wears gloves properly; • Does venipuncture of the peripheral vein (using a simulator); • Performs peripheral vein catheterization (using a simulator); • Performs intravenous injection of the drug (using a simulator) • Injects subcutaneously and / or intramuscularly (using a simulator or under the supervision of a patient); • Delivers oxygen; • Describes patient transport and handling techniques; • Puts sutures (using a simulator); • Handles the wound and puts a bandage; • Does bladder catheterization (using a simulator); • Describes the technique of taking urine analysis; • Takes an electrocardiogram; • Interprets an electrocardiogram; • Conducts functional tests of the respiratory system; • Uses inhalation preparations correctly.
7. Communicate effectively in a medical context	<ul style="list-style-type: none"> • Effectively establishes communication with the patient; • Effectively establishes communication with colleagues; • Effectively communicates when reporting bad news; • Effectively establishes communication with the patient's environment; • Effectively communicates with people with disabilities; • Communicates effectively to obtain informed consent; • Maintains written communication (including the production of medical records); • Copes with aggressive and conflict situations through appropriate communication; • Effectively communicates with patients through a support person; • Establishes proper communication with law enforcement agencies and the media as needed; • Establishes communication with any person, regardless of their social, cultural, religious and ethnic background.

8. Use of ethical and legal principles in medical practice	<ul style="list-style-type: none"> • Protects privacy; • Uses ethical principles and analytical skills during treatment; • Obtains informed consent if necessary and makes the appropriate record; • Issue a death notice; • Requests autopsy in cases provided by the legislation of Georgia; • Uses the current norms of Georgian and international legislation during treatment; • Effectively manages medical activities in a multicultural society.
9. Evaluation of psychological and social aspects regarding patients' disease	<ul style="list-style-type: none"> • Assesses the psychological factors of the manifestation of the disease and its impact on the patient; • Assesses the social factors of disease manifestation and its impact on the patient; • Identifies disease-related stress; • Establishes medicament and alcohol dependence.
10. The use of knowledge, skills and principles based on evidence	<ul style="list-style-type: none"> • Uses evidence in medical practice; • Correctly defines and conducts literary research; • Critically evaluates published literature. Draws conclusions correctly and uses them in practical activities.
11. Use information and information technology effectively in a medical context	<ul style="list-style-type: none"> • Properly maintains clinical records and keeps them complete; • Uses information technology in medical practice; • Searches for specific information resources; • Stores information and uses it accordingly; • Properly maintains and uses personal records.
12. Ability to apply scientific principles, method and knowledge to medical practice and research	<ul style="list-style-type: none"> • Properly uses the methodology of conducting scientific research; • Develops research design, plans in detail, processes the results obtained and draws conclusions; • Uses the achievements of biomedical sciences in practical activities; • Writes reviews / reports at the academic level based on critical analysis of the existing scientific literature in the field of biomedicine; • Uses ethical principles of scientific research production.
13. Implementation of health promoting events, engage with public healthcare issues, efficient performance within the healthcare system	<ul style="list-style-type: none"> • Chooses treatment with minimal risk of harm to the patient; • Takes appropriate measures to prevent the spread of infection; • Adequately assesses one's own health problems in relation to professional duties; • Analyzes the importance of involvement in health promotion activities at the individual and population level.

14. Professionalism

General characteristics of professionalism:

- Upholds the principles of impartiality, integrity and ethics;
- Carries out medical activities with proper quality;
- Expresses critical and self-critical attitudes, accepts criticism;
- Expresses empathy (compassion);
- Reveals creativity;
- Reveals initiative, expresses a desire for success;
- Demonstrates the ability to constantly update knowledge;
- Reveals interpersonal skills.
- Demonstrates group work skills;

Professionalism in activities:

- Analyzes the limits of its capabilities and asks for help (if needed);
- Demonstrates leadership skills;
- Acts independently as needed;
- Solves problems;
- Makes decisions;
- Works in a multidisciplinary team;
- Establishes communication with experts in other disciplines;
- Adapts to new situations;
- Plans and manages organizational processes, manages time efficiently.

Doctor as an expert:

- Analyzes and draws a conclusion;
- Demonstrates learning and teaching skills of others;
- Demonstrates knowledge in practical activities;
- Demonstrates research skills;

Doctor in a Global Context:

- Has the ability to work in a multicultural society to realize their diversity;
- Demonstrates respect for the culture and peculiarities of other countries;
- Operates in an international context;
- Speaks a second language;
- Has general knowledge, beyond the medical field.

Assessment system, assessment forms, methods, and criteria

The assessment determines the relevance of student achievement to the specific outcomes of the program. In the one-cycle educational program of a Medical Doctor, the assessment of student knowledge is based on criteria that determine whether the student possesses the learning outcomes specified in the course.

The grading system used within the program complies with the "Rules for Calculating Higher Education

Programs with Credits" approved by the Minister of Education and Science of Georgia № 3 of January 5, 2007.

The level of achievement of learning outcome is assessed through assessment components, mid-term assessment, and final assessment, the sum of which is the final assessment. The maximum final grade of the training course is 100 points.

The grading system includes:

A) Five types of positive grading:

Aa) (A) Frequent - 91-100 points;

Ab) (B) Very good - 81-90 points ;

Ac) (C) Good - 71-80 points ;

Ad) (D) Satisfactory - 61-70 points ;

Ae) (E) Sufficient - 51-60 points.

B) Two types of negative grading:

Ba) (FX) Did not pass - 41-50 points , which means that the student needs more work to pass and is given the right to take the additional exam once with independent work;

Bb) (F) Failed - 40 points or less , which means that the work done by the student is not enough and he / she has to re-study the learning course/subject.

In the educational program component, in case of receiving a negative grade (FX), the student is allowed to take an additional exam. The student is eligible to take the additional exam even if he / she has accumulated 51 points or more in the final grade, but has not exceeded the minimum competency threshold set for the final exam. An additional exam is scheduled at least 5 days after the announcement of the final exam results.

The number of grades obtained in the final assessment is not added to the grade obtained by the student on the additional exam. The grade obtained on the additional examination is the final grade and is reflected in the final grade of the educational program component.

The share of the final exam in the final evaluation is 40% (40 points), accordingly, the share of the mid-term evaluation is 60% (60 points) of the final evaluation.

The mid-term evaluation is divided into components. A mandatory component of the midterm assessment is the midterm exam, which is held in the 8-9th weeks (the period of the midterm exam during the curative training is specified in the syllabus of the relevant training course). The content and share of the components of the mid-term evaluation are determined by the staff implementing the training course within the relevant syllabus.

The student will be admitted to the final exam in case of exceeding the minimum threshold for midterm assessment. The final exam will be considered passed in case of exceeding the minimum threshold of the final exam.

The following minimum competency threshold is set for the midterm and final exam: 50% of the midterm (the student's midterm must be at least 30 points to be eligible for the final exam); 50% + 1 of the final exam grade (in order for the final exam to be considered passed, the final exam grade must be at least 21 points).

Credit will be considered credited if the sum of the scores obtained on the basis of exceeding the minimum threshold set for the midterm assessment and the minimum threshold set in the final exam is 51 points or more.

The staff implementing the training course, taking into account the objectives, learning outcomes and the specifics of the training course, is authorized to determine the minimum competency threshold in the assessment method / methods. If there is a minimum competency threshold in the assessment method / methods, credit will be awarded as a result of exceeding the minimum competency threshold in each assessment method, exceeding the minimum competency threshold in each assessment component (midterm and final assessment) and in case of obtaining at least 51 points as a result of summing the points obtained in the midterm and final evaluations.

The aim of the assessment methods reflected in the syllabi of the courses offered within the Medical Doctor educational program is to confirm the achievement of the results of the relevant course by each student, using objective and transparent, criteria oriented to the course and its specifics. The methods and criteria of student assessment within the course are determined by the staff considering the specifics of the course and the learning outcomes defined within the course.

Both summative and formative assessments are used to measure the learning outcomes achieved by the student within the curriculum and to evaluate objectively and fully the acquired knowledge. The purpose of using formative assessment is to promote student development and improve the quality of learning, and the subject matter is the learning process. The purpose of using summative assessment is to control the quality of learning, to determine the level of achievement of student results in relation to the goals and outcomes defined by the syllabus(es) of the course, to determine the level of academic achievement. The subject of assessment is the result of learning - knowledge-skills and their application in practice.

Field of employment and opportunity to continue education

According to the current legislation of Georgia, in case of obtaining a state certificate giving the right to independent medical activity, a graduate of a one-cycle educational program of a Medical Doctor has the right to carry out the independent medical activity (Law of Georgia on Medical Activity, Article 7).

According to the Law on Medical Activities (Article 17), a graduate with higher medical education has the right to carry out the following activities:

- A) Pass a postgraduate professional training course and obtain the right to independent medical practice after passing the state certification exam;
- B) Carry out research and pedagogical activities in theoretical fields of medicine or other fields of health care, which do not involve independent medical activities;
- C) Work as a junior doctor.

A graduate of a one-cycle educational program of a Medical Doctor is eligible to continue his / her studies at a postgraduate level (doctoral).