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Medical Doctor

MD

Program
General Information

- **Higher Academic education level**: Single-step educational program after passing of which the obtained Academic Degree is relevant to the second step of higher education (master’s degree)
- **Language of Instruction**: English
- **Type of the Educational Program**: Academic
- **Status of the Programme**: Accredited
- **Degree Qualification**: Medical Doctor, MD
- **Duration**: 12 semesters
- **Program Capacity**: 360 credits

**Preconditions to enrollment in a single-step education program:**

An individual with a secondary school diploma or an equivalent document who will pass the minimal competence threshold in the Unified National Examinations, based on the ranking of the score coefficients as defined by the legislation, will be enrolled in the LtdEuropeanTeachingUniversity.

Those eligible to enroll in this program without passing the Unified National Examinations are as follows:

- Foreign citizens and stateless persons who have received secondary or equivalent education in a foreign country;
- Citizens of Georgia who have received secondary or equivalent education or have studied abroad during the last 2 years of their secondary education;
- Students (besides the participating in the joint program for students) who have lived in a foreign country for at last 1 year, are studying/have studied and have obtained credits at a higher education institution recognized by the legal regulations of the country concerned.

**Eligibility for Admission to the program:**

Those students who have enrolled based on the mobility rule, According to the Order №10 / N (4.02.2010) of the Minister of Education and Sciences of Georgia which has approved “The rule concerning the fees and the transfer of students from one higher academic institution to another higher academic institution”; also those students who have lived abroad for the last 2 or more years and study in a foreign country in a higher academic institution which is recognized under the laws of that country.

Besides the above-said a mandatory prerequisite for admission is the knowledge of English at B2 level, confirmed by the International Certificate or the exam passed at LtdEuropeanTeachingUniversity
Objectives of the program

The objective of the program is to prepare the specialists in the field of health care for professional practice. Not just to provide theoretical knowledge to the graduates of the program, but also to develop clinical skills and form ethical values which are very important for this profession. The goal is to educate the specialists through providing high quality teaching and training, so that based on the integration of theoretical and practical knowledge they will know the ways to improve the health of patients and the public, as they master in norm and pathology:

- The basic physical, chemical, biological and physiological patterns, processes and developments of a human body;
- The structure of cells, tissues, organs and organ systems, topography and development in relation to their functions;
- The general regularities of the origins and developments of life, the laws of genetics and the viability of the organism;
- Medicine and the main features of its forms, including classification, pharmacokinetics and pharmacodynamics;
- Diagnostics, patient treatment and prevention of diseases using practical problem-solving through professional algorithms, work regulations for therapeutic and diagnostic equipment;
- Developing skills in medical documentation recording and professional communications, in order to communicate with patients and colleagues orally and in writing, including communication in a foreign language;

The program aims to develop hygienic, healthy, and environmentally safe values in students, and promotes the acknowledgment of the importance of a continuous medical education and professional development.
Learning Outcomes

Consistent and comprehensive implementation of the objectives of the Certified Medical Doctor academic program provides achievement of the learning outcomes in accordance with the qualification descriptor in medicine, which is equivalent to the level of competence of the second level (Master’s) qualification.

Sectorial and general competencies:

Knowledge and understanding

Qualified medical doctor has deep knowledge in basic natural, behavioral, social, and clinical sciences; knowledge of scientific research methodology; the principles of scientific research ethics; knows the main groups of medical drugs, principles of their appointment according to pathological conditions and diseases; has a deep knowledge and understanding of the public healthcare system as well as the role of the physician within this system; has a deep knowledge of ethical and legal principles; Understands the methods of complex clinical problem-solving.

Ability to apply knowledge in practice

On the basis of acquired knowledge students are able to assess clinical cases, including urgent medical conditions, evaluation, patient counseling, gathering of history, examinations, will have the ability to relate the medicines and other methods of the treatment in clinical context, assess the potential benefits and risks of treatment for the patient; can use biomedical science achievements in practice; implement activities for health promotion, be involved in public health issues, effectively work in the health care system; take preventive measures against the spread of infection; understand their own health problems and assess them in accordance to their professional responsibilities, are able to demonstrate clinical skills in the learning process generated independently on simulators or while being under supervision, namely:

- Pressure measurement (independently)
- Venipuncture (simulator)
- Lumbar puncture (simulator)
- To insert a catheter in a vein (simulator)
- Using medical drugs intravenously and using the infusion device (Independently or under supervision)
- Subcutaneous or intramuscular injection (simulator or supervision)
- Supplying oxygen (independently)
- Transportation of patients and their treatment (independently)
- Placing stitches (simulator)
• Blood transfusion (simulator)
• Urinary catheterization (simulator)
• Perform urinalysis tests (independently)
• Electrocardiography (ECG) recording (independently)
• ECG interpretation (independently)
• Perform pulmonary function tests (independently)

**Ability to make conclusions**

Program graduates have a profound clinical reasoning, can engage in critical analysis using incomplete and contradictory information of research, diagnose on evidence-based principles, skills and knowledge.

**Communication Skills**

Certified Medical Doctor is able to effectively engage in oral and written (including medical records) communication with patients, colleagues, when being the informant of bad news, with relatives, with disabled persons, communication to receive an informed consent, in cases of conflict, communicate through an assistant, communicate with law enforcement agencies and the mass media, is able to effectively communicate with any person, regardless of their social, cultural, religious or ethnic affiliation; has skills in observing, listening, asking questions, and in non-verbal communications.

**Learning skills**

Students will be able to use the full range of educational and informational resources, manage their own learning process; has the ability to organize time, priorities, deadlines and the ability to work; is able to obtain information from various sources, process it and evaluate critically; recognizes the need for continuous updating of knowledge and continues professional development; has the ability to assess own knowledge objectively.

**Values**

Graduates of the program have the ability to use the knowledge of ethical and legal principles in the context of medicine are able to defend the patient's rights; in professional context are able to negotiate and resolve a conflict with any person, regardless of their social, cultural, religious or ethnic affiliation. Are able to communicate justly and use social and democratic values with patients and colleagues.
### Analysis and synthesis skills
Certified Medical doctor is able to evaluate complex, incomplete and contradictory information critically, provide independent analysis, interpret the results of the analysis in an understandable manner; is able to critically approach new information, is able to analyze a variety of data, summarize, integrate, draw conclusions from the results obtained from the analysis of the evidence and / or provide counter arguments.

### Information Management
Is able to obtain information from various sources, process a large volume of information and conduct critical evaluation; has the ability to use information in practice.

### Problem Solving / Decision Making
Can independently define complex problems, and provide solutions, analyze expected results and make final decisions; Knows and when necessary, effectively uses additional resources within his/her specialty.

### Teamwork skills
Program graduates have the ability to work in a team, as ordinary members of the team, and they also have the ability to be leaders; they can formulate objectives clearly, reach agreements within the team, can coordinate their activities and assess the skills and abilities adequately, and are able to manage emergency situations and conflicts.

### The ability to adapt to a new environment
Graduates have practical working skills in a professional setting, professional subordination / adaptation ability, the ability to learn new technologies.

### Ability to work independently
Graduates have time management skills, can meet deadlines and work in cooperation; can organize their work-related resources accordingly; plan properly the resources associated with the activities; are responsible for the performed work and able to assess and criticize it.
<table>
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General Information

**Cycle of Higher Education: One-cycle educational Program**

- Language of instruction: English
- Type of Educational Program: Academic
- Department: Health Care
- Degree Awarded: Doctor of Dental Medicine (DMD)
- Duration: 10 semesters
- Program capacity: 300 credits
- Program Director: Qetevan Nanobashvili, Maia Shanidze

Admission to the one-cycle educational program

A) The holders of a certificate of full general educationorthose with equal status on the basis of the results of Unified Entry Examinations shall have the right to take the programme at Ltd European Teaching University.

B) Passing the English exam at Unified Entry Examinations with the minimum threshold 50%+1 points.

Admission without passing the Unified National Examinations:

Persons that are identified in the Article 52 Paragraph 3 of the Georgian Law of Higher education:

A) Foreign citizens and stateless persons who have received general secondary or equivalent education in a foreign country;

B) Georgian citizens who acquired general secondary education in a foreign country or have studied the last two years of general secondary education abroad;

C) students (besides the participating in the joint program for students) who have lived in a foreign country for at least 1 year, are studying/have studied and have obtained credits at a higher education institution recognized by the legal regulations of the country concerned.


The program is available for:

The students who are admitted with mobility according to „Fees and Rules of transfer from one High education institution to another higher education institution“ that was added with the Decree of the Minister of Education and Science №10/ (4.02.2010); Students who have been studying abroad during 2 or more years in the higher education institution recognized by legislation of that country can also take advantage of mobility.
The aim of the program

The program’s aim is to prepare specialists with the theoretical knowledge and practical skills that meet the modern labour market requirements those who will successfully pass the program of professional training and be a required specialist at a labour market. The program’s aim is to develop students practical skills in various fields of dentistry, in particular, the program covers the following dental subjects: Children’s Therapeutic Dentistry, Dental Surgery, Orthopaedic Surgery, Orthodonty. The courses provide for the work in simulation laboratory, role playing, etc., that provide students’ direct contact with the objects of dental examination, instruments and materials and promote the development of practical skills in different fields of dentistry.

The aim of the program is to train student for their successful professional career. For this purpose, provide the students with the field knowledge and skills as well as logical and critical reasoning and effective communication skills in English.
Learning Outcomes

The methods envisaged by the program promote the achievement of learning outcomes that is relevant to the learning outcomes of the second cycle (Master’s level) described in the National Qualification Framework.

Knowledge and understanding

The graduates have in-depth and systemic knowledge of:

- Systems of the human body, its units, peculiarities of its development, tissues, functions, their interaction; in-depth anatomical, pathological, physiological, pathophysiological features of human body and its components; biochemical processes, biocompounds in the living organism, their classification and metabolism;
- Metabolism and its cycles in the human body; structures of tissues; its constituent elements that will help view the human body as a whole system and determine the basis of the pathological processes in it;
- Principles of management of dental service, structure of equipment and instruments; purpose of their use; instructions for use; basics of antiseptics and aseptics; sanitation and hygienic standards;
- Methodology and materials of prevention of dental diseases in adults and children;
- Modern aspects of etiology, pathogenesis, classification, diagnosis and differential diagnosis, clinical course, treatment, prevention and epidemiology of oral and dental disease, in-depth evidence-based knowledge of the etiology of oral diseases, pathogenesis, clinical manifestation, methods of treatment and prevention that enable the student to perform differential diagnosis and determine the diagnosis based on the symptoms, data of instrumental and laboratory examinations.
- Caries and non caries disorders, pulpits and periodontitis, current process in the periodontal tissues, mucosa diseases of oral cavity, which will enable determine the diagnosis and treatment relevant methods based on symptoms, analysis of results of instrumental-examination and differential diagnosis.
- Traumatic injuries, inflammatory processes of soft and hard tissues of oral and maxillofacial area; odontogenic, nonodontogenic specific inflammatory diseases, modern therapy, surgery, rehabilitation and plastic, orthopedic treatment methods of cancer, principles of management of disease complications, which will allow to develop the effective treatment plan.
- The age-related features of the organism in children, the relevant methods of therapeutic, surgical, orthodontic treatment based on the principles of development of congenital and acquired diseases.
- Methods of epidemiological research, features of disease distribution. Methods of data gathering, processing, grouping and analysis; management, planning and prevention of anti-epidemic measures and principles of its prevention.

Applying knowledge and understanding

Graduate are able to:

- Gather anamnesis, examine patients, perform instrumental examination, analyze and interpret supporting examination methods, analysis and synthesis of data, perform a differential diagnosis; determine the diagnosis, assess the psychological condition of the patient.
• Examine the patient physically, collect the anamnesis during hard and soft tissue diseases of the oral cavity, determine the diagnosis, differential diagnosis, treatment methods and medical procedures based on analysis and synthesis of result of instrumental and laboratory examinations; Independently operating odontology and endodontic manipulations on the phantom: instrumentation of dental hard and soft tissue, processing and filling, use of operating techniques, adequate materials selection for filling and restoration, preparation of filling materials and usage.
• Perform a orthopedic examination, determine the quality and type of injury, diagnosis, planning and development of relevant construction, casting models, settle of apparatus; Preparation and select materials for prosthesis; Anthropometric measurements; Planning the complex orthodontic and surgical treatment in children; Selection of orthodontic apparatus; Structural adjustment; X-ray examination and analysis of the results;
• Assess children’s oral cavity, use preventive and hygienic materials on the phantoms; instruct patients in relation to hygiene and preventive methods.
• Use of principles and methods of general and local anesthesia; Management of anesthesia complications; Technical demonstration of the operating methods on the phantom.
• Use of orthodontic examination methods and determination of the type and degree of damage, analysis of result of examinations, synthesis of data, select the optimal methods of treatment, and to determine the type of installation for correcting the damage, define the orthodontic and surgical treatment method, preventive measures and recommendations;
• Use epidemiological methods of research and identify distribution of diseases. Gather, process, group and analyze the data, plan anti-epidemic measures. Assess the effectiveness of treatment methods and preventive measures by using statistical methods.

**Making judgments**

Graduate is able to:
• Perform differential diagnosis based on critical analysis, make argumented conclusion, determine the diagnosis and develop the plan of treatment.
• Examination and assessment of adolescent and children oral cavity using indexes; Determine the preventive measures.
• Finding the current disorders in body based on morphological data, laboratory tests, classification of the quality of damaging, conduct the differential diagnosis, determine the diagnosis;
• Define the diagnosis and treatment plan for the specific situations and prescription of relevant medical product;
• Relevant and safe use of anesthetic;
• Assessing the situation and determine the appropriate preventive and hygiene measures;
• Write the thesis / review based on analysis of medical literature;
• Critical evaluation of literature, conclusions and use in practice;
• Identify and formulate the problem independently, provide with the method of dealing with them, analyze the results and come to the final conclusion. Gather data from the relevant sources, process and identify statistical relations between the cases based on the analysis of data. Provide with the results of cause-effect relations.

**Communication skills**
Graduate is able to:

- Effective verbal and non-verbal communication with the patient in English taking into consideration the psychological and behavioural features, gathering the case history and registration of data; keeping clinical records, the data of case history;
- Communicate with specialists as well as with non-specialists, ability to communicate one's critical views and justify them;
- Coordinate with the experts about patient and take part in a joint decision if necessary.
- Registration of examination results, discuss hygiene issues with patients - direct contact with patients, group discussions, transfer the knowledge related to hygiene and medical issues.
- Make judgement and expression one's point of view;
- Use modern information technologies in practice;
- Search for the information, register the data and use them relevantly.

Learning skills

Graduate will be able to:

- Gather information and expand one's knowledge by using IT technologies.
- Realise the studying process of the clinical course and strategic planning of own studying process;
- Using a range of resources to manage their own learning process;
- Understand the necessity of continuing dental education and lifelong learning and keep professional development.
- Self-evaluate one's knowledge and identify the need for further learning.
- Assess one's professional competences and extend one's knowledge in relevant field.

Values

Graduate is able to:

- Understand the necessity of dental service for the maintenance / restoration and prevention of health;
- Identify health care problems and assess in relation with the professional responsibilities.
- Understand the necessity of health promotion activities and express will to participate in it;
- Understand the necessity to protect of hygiene standards for human health maintenance and prevention of disease;
- Assess one's and others attitude towards professional issues and share them with others.
- Determine the scope of one's competences and work in compliance with the professional ethics;
- Identify one's scope of competences according to the system of values and work within the framework of professional ethics.
- Protection of interests and confidentiality of the patients keep within the professional ethics.
- Protect the norms of professional activity in the manufacturing process by legislation;
- Understand the professional, ethical and legal standards and protect and obey them in everyday professional activities; participate in the formation of values of the field of dentistry.
- Protect the patient's interests and confidentiality of information within the framework of professional ethics.
- Look through of health Problems and its assessment with professional responsibilities;
• Self-evaluation and evaluation of others professional values, share the values with others.
  
  Protection of interests and privacy of the patients keep within the professional ethics
Evaluation System
Evaluation System

Evaluation of students knowledge is in compliance with "The Rule of calculation of credits in Higher education programs" approved by the decree N3 of the minister of education and science published on January 5, 2007:

Codes for graded assessment:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Points</th>
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<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>91% or more out of maximum points</td>
</tr>
<tr>
<td>B</td>
<td>Very good</td>
<td>81-90% out of maximum points</td>
</tr>
<tr>
<td>C</td>
<td>Good</td>
<td>71-80% out of maximum points</td>
</tr>
<tr>
<td>D</td>
<td>Average</td>
<td>61-70% out of maximum points</td>
</tr>
<tr>
<td>E</td>
<td>Poor</td>
<td>51-60% out of maximum points</td>
</tr>
</tbody>
</table>

Codes for ungraded assessment:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX</td>
<td>Marginally Below Pass</td>
<td>41-50% out of maximum points; more work is required and the student is eligible to take extra independent work and pass the exam.</td>
</tr>
<tr>
<td>F</td>
<td>Considerably Below Pass</td>
<td>40% or less out of maximum points; the student's work has not been enough and he/she should repeat the course.</td>
</tr>
</tbody>
</table>

The student has the right to pass the exam in the same semester. Between the final and the additional tests shall be not less than 10 days.

Student’s are assessed by 100-point system.

Distribution of grade points:

**Assessment during a semester - maximum 60 points:**

**40 grade points – activity during the semester** - Group work (seminars / practical / lab work), preparation and presentation of projects and paper, quiz and others. (Specified in the syllabus),

**20 grade points – assessment of the mid-term exam.**

**Final exam assessment - maximum 40 points.**

Because of specifics of the training course, it is possible to specify the components of the interim assessment element: the plot and contents of components determined by the lecturer of the course into the appropriate syllabus.

Prerequisite for admission to the final exam (semester) is earning at least 11 grade points.
Contact Information

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