

DAUG

David Aghmashenebeli University Of Georgia

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Approved by \_\_\_\_\_  
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One-cycle educational program

Dentistry

School:

Teaching level of Medicine and Dentistry:

One-cycle educational program

(The learning results are equal to the second level of Higher Education)

Wide field:

Health and Welfare

Health and Welfare

Narrow field:

Healthcare, detailed field:

Dental

Studies

Language of instruction:

Georgian

Qualification to be awarded: Certified Dentist

Doctor of Dental Medicine (D.M.D)

Program duration:

5 years (10 semesters),

Program volume in credits:

300 credits

Prerequisite for studying in the program: A person possessing a full general education is entitled to study at the Bachelor's programme by passing the Unified National Examination, by undertaking an internal/external mobility and without passing the Unified National Examination in accordance with the regulation stipulated by the Georgian legislation.

The Head of the Programme:

Professor Ketevan Franchuk

### The Programme Purpose

The purpose of the program is to train competitive and qualified certificated dentists in the labor market in a democratic environment, who, using the necessary skills for dental work, will be able to carry out harmonious learning, research and medical practical activities.

The purpose of the program are in line with the University's mission, goals and strategic plan. It is public, accessible and shared by stakeholders involved in the development of the program.

### Program Outcomes

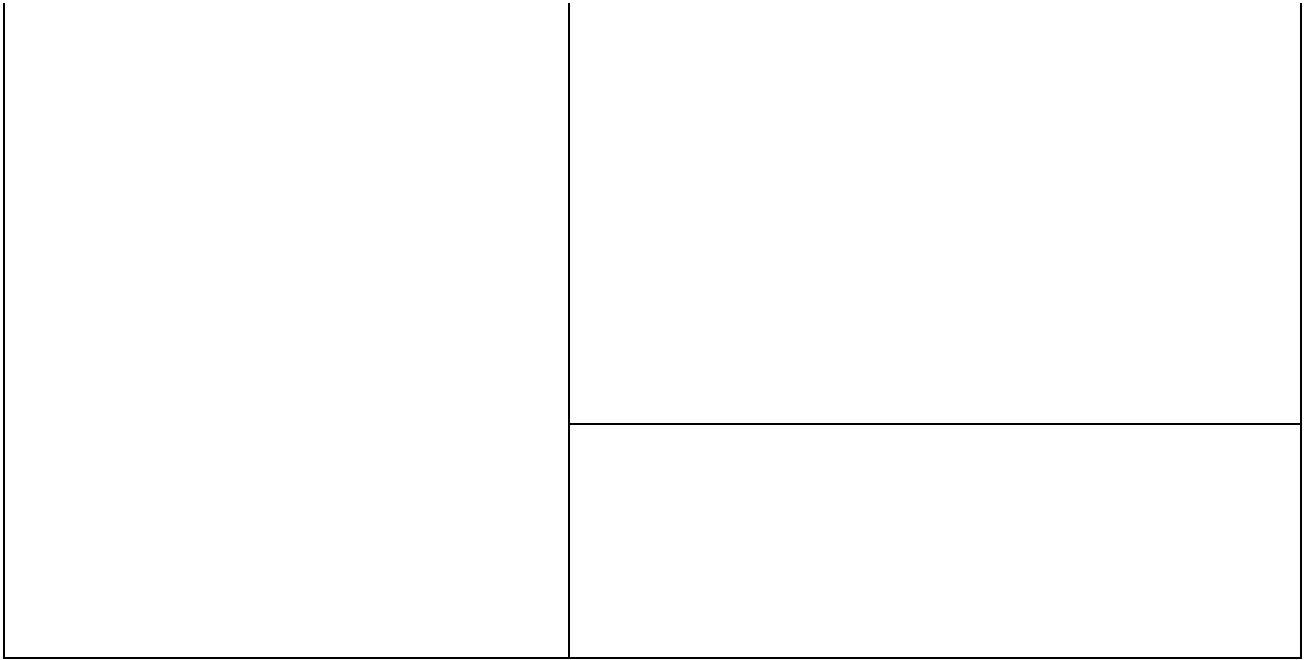
Knowledge and understanding, abilities, responsibility and autonomy.

1. To explain the normal structure of the human body and the constituent tissues, the interconnection of organs, the essence of normal functioning of the organism, its systems and organs, the role of chemical elements and compounds in the life activity of the human body, physical phenomena arising in the living organism, pathological processes occurring in individual organs and organ systems of the organism, the essence of biomedical and pharmacological Sciences, the importance of ethical norms in medical practice, organizing of dental service, involvement in the management of the healthcare system, hygiene and epidemiological norms, the need for relevant knowledge to carry out disease prevention.
2. To describe the dental profile of both adults and children and adolescents, and also the clinic, diagnostics and differential diagnostics of diseases of various etiology and pathogenesis, the methods of treatment and prevention.
3. To be able to complete a scientific paper, adequately ask questions for research, use information technologies to search for information, correctly select appropriate research methods and summarize the results obtained.
4. To apply the knowledge gained on the treatment, prevention, treatment of diseases of various etiologies and pathogenesis of dental profile in patients of both adult and child and adolescent age for adequate treatment of such diseases and providing assistance to the doctor as needed.
5. To apply the knowledge of methods of treatment of diseases of various etiologies and pathogenesis, in the adequate treatment of these diseases, as well as in the correct selection of drugs for treatment and prescribing in accordance with the established rules.
6. To carry out effective measures for the prevention of diseases, epidemiological, planning of the public health system and dental activities.

7. On the basis of theoretical knowledge and acquired skills, to analyze the subjective and objective data of the patient in diseases of various etiologies and pathogenesis, the necessary methods of treatment and draw argumentative conclusions.
8. Conduct effective communication with the patient and colleagues in both native and foreign languages.
9. To adhere to the principles of ethics when interacting with patients and colleagues.
10. To be able to gain knowledge independently and process information.

Map of programme objectives and learning outcomes

| Programme objectives  | Programme Learning Outcomes<br>Knowledge and understanding, abilities, responsibility and autonomy   |
|---|--|
| <p>The purpose of the program is to train competitive and qualified certificated dentists in the labor market in a democratic environment, who, using the necessary skills for dental work, will be able to carry out harmonious learning, research and medical practical activities.</p> | <p>To explain the normal structure of the human body and the constituent tissues, the interconnection of organs, the essence of normal functioning of the organism, its systems and organs, the role of chemical elements and compounds in the life activity of the human body, physical phenomena arising in the living organism, pathological processes occurring in individual organs and organ systems of the organism, the essence of biomedical and pharmacological Sciences, the importance of ethical norms in medical practice, organizing of dental service, involvement in the management of the healthcare system, hygiene and epidemiological norms, the need for relevant knowledge to carry out disease prevention.</p> |



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|  | <p>To be able to complete a scientific paper, adequately ask questions for research, use information technologies to search for information, correctly select appropriate research methods and summarize the results obtained.</p>   |
|  | <p>To apply the knowledge gained on the treatment, prevention, treatment of diseases of various etiologies and pathogenesis of dental profile (therapeutic dentistry, therapeutic dentistry of children and adolescents, surgical dentistry, surgical dentistry of children and adolescents, orthopedics, orthodontics) in patients of both adult and child and adolescent age for adequate treatment of such diseases and providing assistance to the doctor as needed.</p> |
|  | <p>To apply the knowledge of methods of treatment of diseases of various etiologies and pathogenesis (surgery, therapy, dermatovenerology, otolaryngology, allergology), in the adequate treatment of these diseases, as well as in the correct selection of drugs for treatment and prescribing in accordance with the established rules.</p>   |
|  | <p>To carry out effective measures for the prevention of diseases, epidemiological, planning of the public health system and dental activities.</p>  |

|  |   |
|--|---|
|  | On the basis of theoretical knowledge and acquired skills, to analyze the subjective and objective data of the patient in diseases of various etiologies and pathogenesis, the necessary methods of treatment and draw argumentative conclusions. |
|  | Conduct effective communication with the patient and colleagues in both in Georgian and foreign languages;  |
|  | To adhere to the principles of ethics when interacting with patients and colleagues.  |
|  | To be able to gain knowledge independently and process information.   |

#### The volume of dental education program

The Program duration: 5 academic years i.e. 10 semesters and includes 300 credits (1 credit = 30 hours; 300 credits =9000 hours).

The student workload within the program includes contact and independent hours and includes: Academic courses (lectures, working in a working group, practical work, seminar, etc. preparing for and passing for midterm and final exams). During the semester, the student must overcome 30 credits (30 credits = 900 hours), and 60 credits per year - however, depending on the specifics of the program and the individual workload of the student, the number of credits per year may be less than 60 or more, but not more than 75.

#### Educational Program Structure

The educational program of Dentistry is focused on ensuring the achievement of competencies necessary for the activity of a qualified dentist, which can be implemented on the basis of the synthesis of knowledge and skills achieved through the study of various educational components of the program, in accordance with the national framework for higher education qualifications. The architectonics of the program meets the requirements of the graduate dentist employment market.

The components of the graduate Dentist Program are directed at achieving the goals set in the program and which provides the basis for forming the learning outcomes of the graduate dentist. The logical sequence and evolution of the formation of learning results determine the content of the program of a graduated dentist, its structure, which is reflected in the curriculum (Annex 1)

Training program of “graduated dentist” - 300 credits, including:

- Mandatory academic courses of the major - 275 credits
- Foreign language - 15 credits;
- Elective learning courses - 10 ECTS credits

Note: A student is able to choose a course of study from another educational program within 10 credits.

#### Teaching and Learning Methods

The medical program is implemented using student-centered teaching-learning methods that are consistent with the program content, learning outcomes, and provide training of a specialist with relevant knowledge, skills, responsibilities, and autonomy. Program goals and learning outcomes are realized through lectures in training courses, group work, practical classes, as well as through the independent work of the student.

The purpose of the lecture is to theoretically understand the topics envisaged by the syllabus, to discuss them at the problematic level and provide the student with relevant methodological information and terminology. The lectures are focused on emphasizing the main provisions of the issue under discussion, on formulating substantiated theses and performing their critical analysis. The purpose of group work/practical session is to deepen and specify the knowledge obtained at the lectures. Practical application. Information-communication Technologies, the method of working on the book will be used creatively to perform tasks and visualize issues; such methods will be actively used as:

- Explanatory
- Demonstration method
- Discussion methods
- Tacit learning
- Case study
- Cooperative teaching
- Problem-based Learning (PBL)
- Clinical Case Based Learning (CBL)
- Role play

- Oral quiz.                    □ Discussion/debates
- Action - oriented teaching
- Practical work
- Collaborative work.
- Productive Failure
- Laboratory work
- abstract (with presentation):
- Quiz
- Critical reflection
- Storytelling
- Research Project:

Depending on component specifics, both specific methods and a combination of methods are used in the learning process, as a result of which the teaching process becomes more diverse and the bachelor's activity becomes more active. The selection-use of teaching-learning methods is aimed at stimulating the active participation of students in the learning process. To maximize the interests and needs of students, not only to acquire ready-made knowledge by the student, but also to develop skills and achieve the planned learning outcomes.

#### Evaluation System of Student's Knowledge

The evaluation of the achievement level of learning outcomes is done on a 100-point (max 100 point) system and includes two forms of evaluation- midterm evaluation and final evaluation. Minimal competency threshold of the midterm evaluation is 21 points. The minimum competency threshold for the final exam is 50% of the maximum evaluation for the final exam. It shall be impermissible to assign a credit using only one form of evaluation (midterm or final evaluation). The final evaluation (points) of the academic course is the sum of the points obtained in the forms of midterm and final grades.

The system of evaluation involves:

Five types of positive evaluation:

- (A) Excellent – 91-100 points;
- (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) enough - 51-60 points of maximum evaluation.

Two types of negative assessments:



(FX) Did not pass – 41-50 points, meaning that a student needs to work more for passing and is granted the right to sit an additional examination by means of an independent work;

(F) Failed - 0-40 points, which means that the work done by the student is not enough and he/she has to retake the course. Evaluation components, methods, and criteria are outlined in the course syllabus. Information regarding the evaluation system and components is accessible for students.

#### Field of employment of a Medical dentist

A graduated/certified dentist can conduct:

- Practical activity – at the position of a junior doctor with the right to independent medical activity in any organization, whose activities are related to the protection of Health and medical care of the population.
- Pedagogical and scientific–research activity in theoretical fields and / or in other areas of health care, which does not imply independent medical activity.

#### An Opportunity to Continue the Studies

A person with the academic degree of a certified Medical 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.

#### Material support for the implementation of the program

The medical education program is provided with library, material and information-technological resources, which ensure the achievement of the goals and outcomes of the program. Namely: library resources, training area equipped with appropriate inventory and relevant computer software, training laboratories, multidisciplinary innovation center of virtual laboratories, center of clinical skills, computer centers.

The library contains mandatory literature and other study materials (including on the electronic carriers) defined by the syllabus of the training courses. The library's printed and electronic carrier fund is renewable in the wake of current developments in the field and ensures the achievement of learning outcomes through the curriculum and the implementation of research activities;

International electronic library databases are available to students and staff. Namely: ELSEVIER (Scopus; Science Direct; Scival Funding(Funding Institutional), Cambridge Journals Online (<https://www.cambridge.org/core>); e-Duke Journals Scholarly Collection (<https://www.dukeupress.edu/>); Edward Elgar Publishing Journals and Development Studies e-books (<https://www.elgaronline.com/page/70/journals>); New England Journal of Medicine (<http://www.nejm.org/>); Royal Society Journals Collection (<https://royalsociety.org/journals/>); SAGE Premier (<https://us.sagepub.com/en-us/nam/sage-premier>), which allow access to the latest scientific data to achieve the learning outcomes of the program.. The university has its own dental clinic, an affiliated clinic (Medical Center "Vivamedia"), has signed memoranda of understanding with clinical and diagnostic centers, Alexander Natishvili Institute of Morphology, Ivane Beritashvili Center for Experimental Biomedicine and others.

#### Provision of human resources for the implementation of the program

Implementation of an educational program is ensured with the highly qualified pedagogic staff. The components of the educational program are led by the academic and invited staff of the University, who have the appropriate competence necessary to produce the learning outcomes - the academic degree of Doctor (or equivalent), experience in clinical and research activities, etc.

#### Financial provision for the implementation of the program

The budget of the School of Medicine and Dentistry provides support for the medical education program. The school budget envisages the remuneration for staff implementing the program, renewal of the book fund and study materials, financing of scientific research (including internal grants, conferences, etc.), financing of student initiatives and expenses for other activities. Allocating the financial resources provided by the school budget for the program is economically achievable

The head of the program:

K. Franchuk