

**Approved**

By the Rector's Order #01/1/16 of  
(N(N)LE Saint King Tamar  
University of Georgian Patriarchate  
of Georgia  
(issued on 14.05.2021)

**Non-entrepreneurial (Non-commercial) Legal Entity -  
Saint King Tamar University of Patriarchate of Georgia**

**BA program Title of the**

**BA program:** Public Health

0919.1.1

**Qualification/academic degree to be awarded:** Bachelor of Public Health

**Program volume in credits:** 243 (ECTS) Credits

**Basic Educational Structural Unit that implements the programme:**

Faculty of Biomedical and Natural Sciences and Healthcare.

**The head of the program:** Associated Professor at Saint King Tamar University of the Patriarchate of Georgia Doctor of Medicine - Irma Tskhovrebadze

**Language of instruction:** Georgian

The program purpose is

The student will gain a thorough knowledge in the field of public health and preventive medicine taking into account its various aspects (monitoring of communicable, non-communicable, chronic and occupational diseases, prevention and control, epidemiological surveillance. Immunoprophylaxis monitoring, epidemiological research, biological safety

monitoring. Study of industrial, personnel and economic activities of medical institutions, evaluation of the quality and efficiency of their work), which is achieved by studying general fundamentals of medicine, profile disciplines (healthcare management, healthcare economics, public health, epidemiology, general pathology, occupational pathology, , Food, labor, child and adolescent hygiene, medical ecology, etc.) . Also to develop sectoral and general / transfer competencies skills, which will enable to take an active part in the planning and implementation of measures necessary for disease control and prevention, in establishing a healthy lifestyle and monitoring the quality of medical services.

### The Program Admission Preconditions

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The Program admission preconditions are: The person holding a state certificate of full general education or a person equal to him/her, has the right to participate in the Bachelor's Program and will be enrolled in the unified list of the University students according to the established rule.

For the citizens of Georgia - the results obtained in the Unified National Examinations, taking into account the priorities of the subjects established by the University and duly announced, and their respective coefficients. Foreign citizens will be admitted to the program according to the rules defined by the Ministry of Education of Georgia. For foreign nationals and stateless persons who have received a full general or equivalent education in a foreign country; For citizens of Georgia who have received full general or equivalent education in a foreign country and have studied abroad for the last two years of full general education; For persons who study/have studied and received credits in a foreign country in a higher education institution recognized according to the legislation of that country. According to the admission requirements of the programme, subjects, priorities, and coefficients are defined by the level of knowledge required to start the given programme. Subjects and their coefficients are non-permanent, change according to the quality improvement strategy to achieve the program outcomes, and are published annually following established rules.

Enrollment in the Bachelor's Program is also possible through the mobility under the Georgian legislation and in accordance of the University regulations. The terms of admission to the program and other information related to the admission is annually placed on the website of the National Center of Evaluation and Examinations and the University.

### **Knowledge**

Has an extensive knowledge of the field that includes critical consideration of theories and principles, understanding of the complex issues of the sphere, namely: Knowledge of the interrelationships of processes and events in living and non-living nature.

Knowledge of the basic patterns of physical, chemical, biological and physiological processes and events.

Knowledge of ongoing structural and functional changes at the level of cellular, tissue, and body systems in norm and pathology. Understanding of the principles of microbiological and immunological diagnostics, prescription of medicines. General interpretation of the results of laboratory and instrumental examinations.

Conduct morbidity analysis, develop schemes of remedial and preventive measures.

Organizing provision of medical aid to community. Conducting sociological research, promoting a healthy lifestyle among the population. Knowledge of the principles of drawing up medical and financial-accounting documentation.

Ability to use biostatistics methods and computer programs.

### **Skills:**

Carrying out a research or practical project specific to the field in accordance with pre-defined instructions: Carry out preliminary and ongoing sanitary supervision.

Development of sanitary-hygienic and anti-epidemic measures and control over their implementation.

Development of a plan for the prevention of infectious diseases. Planning and monitoring of vaccinations in the population. Investigation of the causes of food poisoning, their elimination and implementation of preventive measures. Study of the impact of environmental and production factors on the health of the population. Environmental expertise and forecasting. Organizing prophylactic medical examinations.

Develop rehabilitation measures for patients with occupational diseases. Planning, organizing and managing medical care for the population in the health care system. Organizing and participating in preventive and anti-epidemic activities for population.

Planning, organizing, motivating and controlling activities in healthcare facilities. Managing the introduction of innovations in the healthcare facility. Is

able to think critically and has the ability to self-criticism; is able to identify and solve problems;

has the ability of correct planning and time-management. Is able to collect and interpret field-specific data, as well as perform the analysis of the non-figurative data and situations using the standard and some distinctive methods, make a substantiated conclusion:

Identify regulation of disease dissemination. Determining the causes of individual cases of infectious diseases and epidemic outbreaks. Investigation of epidemiological foci. Use proven methods appropriate to the situation and make competent conclusions when processing the results of laboratory and instrumental examinations;

Able to make, analyze, interpret and synthesize information and data from a variety of sources to make informed decisions; Ability to carry out laboratory research procedures and make conclusions within the scope of competence

Analyze the problem and work out ways to solve it; Reasoning and defending the management decision.

Can prepare a detailed written report on existing problems and solutions and orally transmit information to specialists and non-specialists in Georgian and foreign languages, creatively use modern information and communication technologies. Can accurately provide medical reports, documents and other materials using appropriate technologies; Can inform, educate and supervise the patient as well as his / her family members;

Can communicate with patients, their families and social groups, as well as people with communication problems;

Can communicate orally and in writing in Georgian and English; Can use information and communication technologies; Has the ability to work in a group; Has team-work skills; Has the ability to interact / dialogue between people.

### **Responsibility and Autonomy**

Consistently and comprehensively assess own learning process, identify further learning needs; Realizes and takes responsibility for one's own professional development and learning.

Participation in the process of formation of values and striving for their establishment. The alumni realizes the professional, ethical and legal norms of the medical field and implements them in his/her daily activities, which stipulates to appreciation, respect of differences and cultural diversity between people and motivation of staff working in a medical facility and to organize them to achieve common goals, to participate in the process of formulating the values of the health care system and to establish it.

### **Methods for accomplishing learning outcomes**

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Teaching and learning methods and the means of their realization will be used to achieve the learning outcomes of the program:

The teaching/learning methods used in the teaching process of the concrete learning course that is component of the program are indicated in the syllabus of each training course.

Lecture - conveying of a learning material to students in a regular and consistent manner; explanation of the topic or any issue for discussion. It is active when it takes the form of a dialogue, while is passive in the form of a monologue. Within the training course, lectures are offered with presentations in an interactive mode. Lectures are conducted using demonstration materials (atlases, posters, tables, etc.) and current computer technology.

**Verbal or oral method** - In the mentioned process, a lecturer verbally transfers and explains the educational material, while students actively understand and comprehend it by listening, memorizing and understanding.

**Explanatory Method** - a detailed explanation of the theoretical material, if required, using visual aids. **Demonstration method** - **this method implies visual presentation of information.** It is quite efficient in terms of achieving the outcomes. Frequently, the material is delivered to students simultaneously in audio and visual form. -

Teaching material can be demonstrated by both a teacher and a student. This strategy visually presents the essence of the issue / problem. Demonstration might be of a simple type.

**Practical training** - individual practical work of the student with the patient, doctor's assistance. Practical lessons are held as curations in the clinic/auditorium, where the discussion of the key topics of the lecture material takes place; visuals will be used: posters, video-materials.

**Practical methods** - combines all forms of teaching that develop practical skills of the student. In this case, the student independently performs this or that action based on the acquired knowledge, for example, practical skills development through clinical practice.

**Demonstration of practical skills - differentiation** of physiological and pathological condition of the patient, assessment of physical and functional conditions, development/of individual / special rehabilitation measures;

Case Study - Discussion of situational tasks - complex/atypical cases that may require additional information about the disease, differential diagnostics, and diagnosis;

Defining a treatment plan and demonstrating practical skills can be done in the form of group work. It promotes analytical thinking - analysis and synthesis skills, group work, clinical reasoning, and decision-making skills; skills to participate in medical discussions, efficient communication in a medical context with colleagues.

**Analysis and Synthesis** - Analyze and synthesize data within a particular clinical case and make relevant conclusions.

**Quiz / Theoretical material survey** - consists of theoretical and practical issues, tests the student's theoretical knowledge. **The laboratory method** involves the following actions: showing video material, dynamic material, etc.

**E-learning** - involves guiding the learning process using a learning process management system. The Learning Management System is an Internet-based software, which is necessary for the organization and conducting the learning process based on the information and communication technologies, in particular, for the provision of learning materials, for communication with a student or/and teacher of the higher education institution, testing, advising, monitoring of student progress and other purposes.

E-learning is carried out in the form of asynchronous or synchronous communication. Asynchronic communication shall mean the interaction when a sender and a recipient of the information are not communicating simultaneously, and synchronic – when the communication is simultaneous. The e-learning program is built in accordance with the requirements set by law for the higher education program.

The entirely distance learning considers conducting an academic process without a physical presence of a professor. The training course is conducted in electronic format remotely from beginning to end.

Based on the specifics of the component of the educational program, for achieving the learning outcomes, any other teaching/learning methods/activities may also be applied.

**Students' independent work** - is the amount of working time (work) spent for successful mastering of courses provided by the curriculum from the introduction-study of basic literature - to group work and preparation for the midterm and final exams. The results of the midterm exam will be discussed.

In each component of the educational program, due to its specifics, those methods and activities of teaching/learning are applied, which condition the efficient achievement of the learning outcomes provided by that component, while their entirety ensures the achievement of the learning outcomes envisaged by the educational program. The teaching / learning methods / activities used to achieve the learning outcomes of the educational program component are outlined in the syllabi.

#### Student's Knowledge Assessment System

The aim of the evaluation of student's knowledge, achieved progress, is to qualitatively determine his/her learning outcomes with regard to educational goals and parameters.

Within module / learning course the structure of assessment is divided into two elements, such as midterm assessment and final assessment. Each has its percentage share in the assessment system. The midterm element of the evaluation can be divided (attendance, activity, midterm exam, presentation of the abstract, practical work, etc.) into components, which also have their percentage share within this element. Taking into account the relevant percentage share, each concrete assessment is based on the results of the sum of both elements.

The format of the midterm assessment, as well as of the final exam (written, oral), assessment components and their relative share, is determined by the leading staff of the academic course, through the learning course (syllabus).

According to the scale of Transfer and the European Credit Accumulation System (ECTS), for evaluation of students' knowledge is used a credit - a unit, which expresses the volume of work performed by the student to complete one subject, reflected in the time unit - in hours.

Credits can be obtained only after achievement of learning outcomes by the student planned according to the learning course (syllabus), which is reflected by one of the positive assessments provided by the established assessment system.

It is unacceptable to evaluate the learning outcomes reached by a student on a one-time basis - it must be done only by evaluating the final examination. The evaluation of the student's knowledge by a certain ratio considers midterm and final examination.

The maximum evaluation for the academic course equals to 100 points:

The final examination is not evaluated by more than 40 points. The right to repass a final examination shall be given to the student who accumulates, 51 scores, taking into account the maximum scores of the midterm evaluations and the final examination. The evaluation component defines the minimum competency threshold, which is reflected in the syllabus of the educational program component. Sum of minimal margin of competence of midterm evaluation and maximum point of the final evaluation shall not be less than 51 points, while minimal margin of competence for the final evaluation shall not exceed 50% of final evaluation (which equals to less than 20 points).

The student's knowledge determination is allowed: a) five types of positive evaluation:

a.a) (A) Excellent – 91% and over of maximum grade; a.b)

(B) Very good - 81-90% of maximum grade; a.c) (C) Good - 71-80% of maximum grade;

a.d) (D) Satisfactory - 61-70 % of maximum evaluation; a.e) (E) Sufficient - 51-60 % of maximum evaluation.

b) Two types of negative grades:

b.a) (FX) Did not pass - 41% -50% of the maximum grade, meaning that a student requires some more work before passing and with independent work is given the right to retake additional exam once again. The additional examination shall be appointed in no less than 5 days after publishing the results of the final examination results.

b.b) (F) Fail – 40 and less of maximum point, which means that the work carried out by the student is not enough and he/she has to retake the course.

The date for appointing an additional examination in case of getting FX in an educational program component will be appointed no later than 5 days after the announcement of the examination results.

The amount of points received in the final evaluation is not added to the evaluation received by a student for the additional exam.

The evaluation received for the additional examination is a conclusive evaluation and it will be reflected in the final evaluation of the educational program component.

Taking into consideration the evaluation received at the additional examination, if a student receives 0-50 points in the final evaluation of the academic component, he/she will receive the evaluation - F-0 points.

The student has the right to request his/her knowledge to be fairly evaluated and appeal undesirable examination results in accordance with the established rule; The student, who does not agree with the evaluation and/or examination results, is allowed to submit a reasoned complaint to the Dean of the Faculty not later than within three working days after the examination and request the revision of the results. The evaluation forms, the evaluation components and methods are described in detail in the syllabi of the academic courses in accordance with the specifics of the academic course.

The student's bachelor program is considered to be completed if he/she has accumulated credits provided by the educational program and successfully defended the Bachelor's Thesis in accordance of the rule established within the University.

The bachelor's thesis is a kind of summary work, by which is checked the student's reasoning, analysis and synthesis skills in the specialty, as well as the ability to see and evaluate problems. It reveals the compliance of the student's level of knowledge and the level of creative, research skills with the requirements determined by the bachelor program.

Bachelor's thesis should meet the requirements listed below:

a) Bachelor's thesis should not be less than 30 pages of A-4 format. Font: „Sylfaen“; Font size: 12; Headings/subheadings size: 14; Space between text lines: 1,5; page margins (from all sides): 2 cm;

b) The following components should be considered in the structure of the Bachelor's thesis: b.a) Cover page (the first page of the Bachelor's thesis);

b.b) Annotation (should not exceed one page should reflect the structure, objectives and brief conclusion of the bachelor's thesis); b.c) Introduction (substantiation of the topic's urgency, goals, objectives, research subject and methods used);

b.d) main part of the text (should be divided in chapters and paragraphs. Can be attached diagrams, tables, drawings); b.e) conclusion (should reflect the results of the bachelor's thesis);

b.e) The list of used literature (should be presented at the end of the thesis in alphabetical order. First editions published in Georgian and then in foreign languages).

b.f)The following should be indicated in the bibliography:

b.f.a) In the event of using a periodical: Surname and initials of the author (authors), title of the work, year, volume/number, name of the scientific journal (in italics), Edition number and pages, where the thesis has been published;

b.f.b) In the event of using a book or a monograph: Surname and initials of the author (authors), title of the work (in italics), publishing year, place, publishing house;

b.f.c) In the event of using the Internet resource: Surname and initials of the author (authors) of the material, author of the web-site, title of the material with a link, web address, date of finding the material;

b.f.d) In case of using an electronic edition: Surname and initials of the author (authors) of the article, title of the article, year, name of the electronic publication (in italics), number of the publication, chapter, paragraph (written in parentheses), web address and date of finding the material;

b.f.e) In case of using governmental documents: Name of the country, name of the institution, whom the document belongs to; Type of the document (order, law and etc.), name of the document with the relevant identification number and indication of a year, place of the publishing house, where the indicated document was found and the name of the publishing house, where the indicated document was found; b.f.f) The literature used in the text should be marked as follows: At the end of the quotation a bracket is opened and a number of named literature is written by the attached list and is embedded with a comma. Then the pages are indicated, from which the quotation or the thesis is taken. (e.g. 15, 150-161);

b.f.g) Footnotes should be used in the main part of the work to indicate additional information (e.g.: Please, view Annex 2).

c) The thesis should be bound in the following sequence: The cover page, Annotation, Table of contents, Introduction, Chapters, Conclusion, Bibliography and Appendix (footnotes).

The student has a supervisor while working on the bachelor thesis. The supervisor of the Bachelor's thesis is selected by the student from the academic staff of the university. The Bachelor's student is able to choose the topic and supervisor of the Bachelor's thesis only after covering 210 credits, at the beginning of the 8th academic semester, not later than one month after the beginning of the academic semester. The topic of the bachelor's thesis can be changed only once, not more than two months prior the end of the submission period, in agreement with the supervisor and by submitting a written application to the Dean of the main educational structural unit (faculties) of the University.

Supervisor of a Bachelor's work: Assists the student in guiding the bachelor's thesis in the right direction, helps him / her to select a topic, drafts a work plan and processes a bibliography; Checks the progress of the student's work on the topic, makes remarks and recommendations; In case of wrong direction of the research, he/she helps the student in its correction; After the student completes the work on the bachelor's thesis, in accordance with the rules established by these internal regulations, reviews the bachelor's thesis (preliminary review) and evaluates it within 60 points no later than 2 weeks.

The supervisor of the bachelor's thesis has the right to make a reasoned refuse to supervise bachelor's thesis of the student in writing, both before the start of the work and during the work on the topic, not later than one month after the beginning of the work. The bachelor's thesis is defined in the general evaluation system by an independent percentage share, and the evaluation received as a result of its defense in accordance with the established rule is indicated in the standard appendix of the relevant diploma.

The maximum grade for the bachelor's thesis is equal to 100 points, which is divided into the following components of the evaluation:

A) Preliminary review of the bachelor's thesis - by the supervisor of the bachelor's thesis - is evaluated by 60 points, according to the following criteria:

A.a) Novelty and relevance of the topic - 10 points

a.b) thoroughly researched relevant literary sources, their systematization - 10 points; a.c) Ability to study and present the materials around the research topic - 10 points;

a.d) Ability to identify, research and analyze the problem, consistency of reasoning - 20 points; a.e) Technical, stylistic and grammatical correctness of the paper - 10 points.

B) Public Defense of the bachelor's thesis - is evaluated by 40 points by the Faculty Board according to the following criteria: B.a)

Comprehension of the submitted paper -10 points;

b.b) Verbal part of the presentation - 15 points; b.c)

Technical part of the presentation - 5 points;

b.d) Answer given to questions, comments and recommendations - 10 points.

To obtain the right to present Bachelor's Thesis for public defense, a student must have accumulated at least 11 points at the Preliminary review of a bachelor's thesis.

The evaluation score of the bachelor's thesis is calculated using the arithmetic mean of the points written by the Faculty Board. The Bachelor thesis will be considered fulfilled by the student, if he/she accumulates 51 points or more.

In case of evaluation of the bachelor's thesis by 41-50 points, the student is given the right to additional pass for the defense of the Bachelor's thesis once. The interval between the public defense and the additional defense of the bachelor's thesis should be not less than 10 days. And in case of evaluating of the bachelor's thesis by 0-40 points, the student is given the right to choose a new topic and to defend the bachelor's thesis before the Faculty Board in accordance with the established rule.

#### Information on the human resources necessary for the implementation of the educational program

The human resources required for the program implementation are defined by the academic staff of 5 university Professors and 8 Associate Professors, as well as 24 invited specialists (teachers), who have the necessary knowledge/skills to produce the learning outcomes of the program, holding the academic degree of Doctor or equivalent, professional experience, special training and other competencies according to the requirements of the legislation. See Annex

The employment agreements concluded with academic staff and invited specialists (teachers) according to the rules established by the legislation of Georgia.

Information about material resources, needed for the program implementation;

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The program is implemented on the base of Saint King Tamar University of Patriarchate of Georgia, which has modern material and technical resources and is ensured with other necessary resources: classrooms equipped with modern equipment and inventory, the library (book fund and scientific electronic databases), resources of the Center for Research, Development and Innovation, etc. Memoranda on cooperation have been signed with various structures and successful organizations and program components will be implemented using all resources available to the University.

The institution has an appropriate infrastructure to implement the Bachelor's education program and to achieve the learning outcomes provided by the programme: Well-equipped classrooms, library space and book fund, library with international electronic library network, academic staff workspace, administrative rooms, meeting rooms and conference halls, student spaces and recreation area, and a well-designed yard. In order to implement the practical component, the institution has concluded memoranda.

Program Structure/Curriculum

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Academic Course	Code	ECTS	Volume of study activities in astronomical hours		Distribution of credits by semesters								The lecturer	Prerequisite
			Class room	work	1	2	3	4	5	6	7	8		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
<b>Core courses of Courses</b>		<b>163</b>												
General and Medical Chemistry	B0919.1.1.01	4	36	64	4								Invited teacher Nana Nadaraya	
General and Medical Chemistry	B0919.1.1.02	4	36	64	4								Associate Professor Ketevan Shalashvili	
Medical Physics Biophysics	B0919.1.1.03	4	36	64	4								Invited teacher: Khatuna Chikvinidze	
Medical biochemistry	B0919.1.1.04	4	36	64		4							Associate Professor Ketevan Shalashvili	
Microbiology-Virology-Immunology 1	B0919.1.1.05	4	36	64		4							Invited teacher: Darejan Chikviladze	B0919.1.1.01 B0919.1.1.03

Microbiology- Virology- Immunology 2	B0919.1.1.06	4	36	64			4						Invited teacher Darejan Chikviladze	B0919.1.1.05
Human Anatomy 1	B0919.1.1.07	4	36	64	4								Invited teacher Grigol Sulaberidze	
Human Anatomy 2	B0919.1.1.08	4	36	64		4							Invited teacher: Grigol Sulaberidze	B0919.1.1.07
Human Physiology 1	B0919.1.1.09	4	36	64		4							Invited teacher: Davit Chkhobadze	
Human Physiology 2	B0919.1.1.10	4	36	64			4						Invited teacher: Davit Chkhobadze	B0919.1.1.09
General Surgery	B0919.1.1.11	4	36	64			4						Professor Giorgi Tsilosani	
Infectious Diseases	B0919.1.1.12	4	36	64				4					Invited teacher Tamar Megrelishvili	
Therapy	B0919.1.1.13	4	36	64				4					Associate professor Lali Kokaya	B0919.1.1.06
Radiation Hygiene	B0919.1.1.14	4	36	64				4					Invited teacher Ketevan Murjikneli	B0919.1.1.32
Community hygiene 1	B0919.1.1.15	3	36	39				3					Invited Teacher Ketevan Murjikneli	B0919.1.1.32
Community hygiene 2	B0919.1.1.16	3	36	39					3				Invited teacher Ketevan Murjikneli	B0919.1.1.15
Sociology	B0919.1.1.17	3	36	39		3							Invited Teacher Nino Japaridze	
Psycho-hygiene	B0919.1.1.18	4	36	64			4						Invited teacher Tsisana Saprashvili	
Special course in Nutritionology	B0919.1.1.19	3	30	45						3			Invited Teacher Tsisana	B0919.1.1.13

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Medical Ecology	B0919.1.1.20	3	36	39				3				Associate Professor Irma Tskhovrebadze	B0919.1.1.04 B0919.1.1.10
Workplace hygiene	B0919.1.1.21	4	36	64					4			Invited teacher Ketevan Kashia	B0919.1.1.05
Nutrition hygiene	B0919.1.1.22	3	36	39				3				Invited teacher Tsisana Siprashvili	B0919.1.1.32
Toxicology.	B0919.1.1.23	3	30	45					3			Invited teacher Manana Zhuruli	
Child and adolescent hygiene 1	B0919.1.1.24	4	36	64					4			Associated Professor Marine Bzishvili	
Child and adolescent hygiene 2	B0919.1.1.25	4	36	64						4		Associated Professor Marine Bzishvili	B0919.1.1.24
Epidemiology 1	B0919.1.1.26	3	36	39					3			Invited teacher Bella Kurashvili	B0919.1.1.06
Epidemiology 2	B0919.1.1.27	3	36	39						3		Invited teacher Bella Kurashvili	B0919.1.1.26
Epidemiology 3	B0919.1.1.28	3	36	39							3	Invited teacher Bella Kurashvili	B0919.1.1.27
Health Management, Policy and Economics 1	B0919.1.1.29	3	30	45					3			Invited teacher Vazha Zeikidze	

Health Management, Policy and Economics2	B0919.1.1.30	3	30	45						3			Invited teacher Vazha Zeikidze	B0919.1.1.29
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Health Management, Policy and Economics3	B0919.1.1.31	3	30	45						3		Invited teacher Vazha Zeikidze	B0919.1.1.30
Basics of Hygiene	B0919.1.1.32	4	36	64			4					Associate Professor Tamaz Gelovani	B0919.1.1.05
Family medicine	B0919.1.1.33	3	36	39					3			Associated Professor Marine Bzishvili	
Preventive Medicine	B0919.1.1.34	4	36	64						4		Associate Professor Tamaz Gelovani	B0919.1.1.13
Public Health 1	B0919.1.1.35	3	30	45					3			Invited teacher - Nino Danelia	
Public Health 2	B0919.1.1.36	3	30	45						3		Invited teacher - Nino Danelia	B0919.1.1.34
Insurance medicine Fundamentals	B0919.1.1.37	3	30	45						3		Invited teacher Khatuna Kekelashvili	B0919.1.1.35
Funding and planning the health care 1	B0919.1.1.38	3	30	45						3		Invited teacher - Nino Danelia	B0919.1.1.38
Funding and planning the health care 2	B0919.1.1.39	3	30	45							3	Invited teacher - Nino Danelia	B0919.1.1.41
Preventive pathology	B0919.1.1.40	3	36	39						3		Invited teacher Dali Zurashvili	B0919.1.1.32

Environmental Medicine	B0919.1.1.41	4	36	64						4			Invited teacher Ketevan Kashia	B0919.1.1.28
Applied Epidemiology	B0919.1.1.42	3	36	39							3		Invited teacher Bela Kurashvili	B0919.1.1.30
Hospital Management	B0919.1.1.43	3	30	45						3			Invited teacher Vazha Zeikidze	B0919.1.1.31
Applied Public Healthcare	B0919.1.1.44	3	30	45							3		Invited teacher - Nino Japharidze	
<b>Teaching practice 1</b>	B0919.1.1.45	5	62	63						5			Invited teacher Vazha Zeikidze	B0919.1.1.31
<b>Teaching practice 2</b>	B0919.1.1.46	5	62	63							5		Invited teacher Vazha Zeikidze	B0919.1.1.43
<b>B) Elective Courses</b>		<b>24</b>												
Radiology	B0919.1.1.001	3	36	39					3				Associate professor Khatuna Melia	
Basics of Physical Medicine and Rehabilitation	B0919.1.1.002	3	36	39					3				Associate professor: Lali K	
Phytotherapy	B0919.1.1.003	3	36	39							3		Invited teacher Marine Benidze	
Methodology of inclusive education.	B0919.1.1.004	3	36	39							3		Invited teacher: Khatuna Kobakhidze	
History of Medicine	B0919.1.1.005	3	36	39	3								Invited teacher: Irine Bibileishvili	

Eastern Medicine	B0919.1.1.006	3	36	39						3			Invited teacher Khatuna Urushadze	
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Latin language, Medical terminology	B0919.1.1.007	3	36	39	3								Invited teacher: Nino Tsereteli
Medical psychology	B0919.1.1.008	3	36	39		3							Associate professor: Lana Sulkhaniashvili
Psychiatry	B0919.1.1.009	3	36	39						3			Invited teacher Marine Kuratashvili
Phthisiology	B0919.1.1.010	3	30	45							3		Associate professor Lali Kokaya
Internal diseases Propaedeutics	B0919.1.1.011	3	36	39				3					Associate professor: Lali Kokaya
Skin and venereal diseases	B0919.1.1.012	3	30	45							3		Invited teacher: Manana Tevzadze
Pharmacology	B0919.1.1.013	3	36	39				3					Invited teacher Nadezhda Mushkiashvili
Medical Genetics	B0919.1.1.014	3	36	39		3							Associate Professor Ketevan Shalashvili
Private Surgery	B0919.1.1.015	3	36	39			3						Professor Giorgi Tsilosani
Pathology	B0919.1.1.016	3	36	39			3						Invited teacher Dinara Kasradze
<b>General or free components, research:</b>		<b>56</b>											
<b>A) Mandatory courses</b>		<b>27</b>											
Academic Writing	B0101	0- 4	36	64				4					Invited teacher: Bella Saria

Foreign language 1 (English)	B0102	4	36	64	4								Invited teacher Irine Menabde
Foreign language 2 (English)	B0103	4	36	64		4							Invited teacher Irine Menabde
Foreign language 3 (English)	B0104	4	36	64			4						Invited teacher: Irine Menabde
Information Technologies	B0105	3	36	39	3								Associate professor: Nana Gumbaridze
Bioethics 1	B0106	4	36	64					4				Professor Archimandrite Adam
Bioethics 2	B0107	4	36	64						4			Professor Archimandrite Adam
<b>B) Elective Courses</b>		15											
Issues of normalization of modern Georgian literary language	B0108	3	36	39	3								Invited teacher: Bella Saria
Generative analysis of literature	B0109	3	36	39				3					Invited teacher: Bella Saria
Old Testament	B0110	3	36	39			3						Arch-priest Iakob (Ushikishvili)

New Testament	B0111	3	36	39				3					Arch-priest Iakob (Ushikishvili)	
Introduction to Christian Doctrine	B0112	3	36	39		3							Arch-priest Iakob (Ushikishvili)	
History and Culture of Georgia 1	B0113	3	36	39	3								Professor Zaza Tsurtsunia	
History and Culture of Georgia 2	B0114	3	36	39		3							Professor Zaza Tsurtsunia	
Anthropology	B0115	3	36	39					3				Professor Archimandrite Adam	
Culture of Speech	B0116	3	36	39			3						Invited teacher: Bella Saria	
Behaviorist psychology	B0117	3	36	39					3				Associate Professor Lana Sul Khanishvili	
<b>Writing and defending Bachelor's thesis</b>		<b>14</b>	<b>70</b>	<b>280</b>								<b>14</b>		
<b>In total</b>		<b>243</b>			<b>29</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>31</b>	<b>243</b>	

### Map of program objectives and learning outcomes

Program objectives	Program learning outcome 1	Program learning outcome 2	Program learning outcome 3	Program learning outcome 4	Program learning outcome 5	Program learning outcome 6	Program learning outcome 7
The student will gain a thorough knowledge in the field of public health and preventive medicine taking into account its various aspects (monitoring of communicable, non-communicable, chronic and occupational diseases, prevention and control, epidemiological surveillance.	X		X	X		X	
Immunoprophylaxis monitoring, epidemiological research, biological safety monitoring. Also develop field and general / transfer competencies skills.	X	X	X	X	X		X
Study of industrial, personnel and economic activities of medical institutions, evaluation of the quality and efficiency of their work		X	X	X		X	X
Take an active part in the planning and implementation of measures necessary for the control and prevention of diseases, in the establishment of a healthy lifestyle, in monitoring of the quality of medical	X	X			X	X	X

service.							
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learning outcomes	Characteristics of learning outcomes	Note
Learning outcome 1	<p>Has an extensive knowledge of the field that includes critical consideration of theories and principles, understanding of field-specific complex issues, in particular: Knowledge of the interrelationships of processes and events in living and non-living nature.</p> <p>Knowledge of the basic patterns of physical, chemical, biological and physiological processes and events.</p> <p>Knowledge of ongoing structural functional changes at the level of cellular, tissue, and body systems in norm and pathology.</p>	
Learning outcome 2	<p>Understanding of the principles of microbiological and immunological diagnostics, prescription of medicines. General interpretation of the results of laboratory and instrumental examinations. Conduct morbidity analysis, develop schemes of remedial and preventive measures. Organizing provision of medical aid to community.</p> <p>sociological research, promoting a healthy lifestyle among the population. Conducting Knowledge of the principles of drawing up medical and financial-accounting documentation.</p>	
Learning outcome 3	<p>Ability to use biostatistics methods and computer programs. Implementation of a research or practical project specific to the field in accordance with pre-defined guidelines;</p>	

	<p>Can: Is able to carry out pre-existing sanitary supervision. Development of sanitary-hygienic and anti-epidemic measures and control over their implementation.</p>	
Learning outcome 4	<p>Development of a plan for the prevention of infectious diseases. Planning and monitoring of vaccinations in the population. Investigation of the causes of food poisoning, their elimination and implementation of preventive measures. Study of the impact of environmental and production factors on the health of the population. Environmental expertise and forecasting. Organizing prophylactic medical examinations. Develop rehabilitation measures for patients with occupational diseases. Planning, organizing and managing medical care for the population in the health care system. Organizing and participating in preventive and anti-epidemic activities for population.</p>	
Learning outcome 5	<p>Planning, organizing, motivating and controlling activities in healthcare facilities. Managing the introduction of innovations in the healthcare facility. Is able to think critically and has the ability to self-criticism; is able to identify and solve problems; has the ability of correct planning and time-management. Is able to collect and interpret field-specific data, as well as perform the analysis of the non-figurative data and situations using the standard and some distinctive methods, make a substantiated conclusion: Identify regulation of disease dissemination. Determining the causes of individual cases of infectious diseases and epidemic outbreaks. Investigation of epidemiological foci. Use proven methods appropriate to the situation and make competent conclusions when processing the results of laboratory and instrumental examinations;</p>	
Learning outcome 6	<p>Able to make, analyze, interpret and synthesize information and data from a variety of sources to make informed decisions; Ability to carry out laboratory research procedures and make conclusions within the scope of competence Analyze the problem and work out ways to solve it; Reasoning and defending the management decision. Has the ability to prepare a detailed written report about the ideas, current problems and ways to solve them and to communicate information to specialists and non-specialists verbally in Georgian and foreign languages.</p>	

	<p>Using creatively modern information and communication technologies. Can accurately provide medical reports, documents and other materials using appropriate technologies; Can inform, educate and supervise the patient as well as his / her family members;</p> <p>Can communicate with patients, their families and social groups, as well as people with communication problems;</p> <p>Can communicate orally and in writing in Georgian and English; Can use information and communication technologies; Has the ability to work in a group; Has team-work skills; Has the ability to interact / dialogue between people.</p>	
<p>Learning outcome 7</p>	<p>Consistently and comprehensively assess own learning process, identify further learning needs; Realizes and takes responsibility for one's own professional development and learning.</p> <p>Taking part in the process of formation of values and striving for their establishment. The alumni realizes the professional, ethical and legal norms of the medical field and implements them in his/her daily activities, which stipulates to appreciation, respect of differences and cultural diversity between people and motivation of staff working in a medical facility and to organize them to achieve common goals, to participate in the process of formulating the values of the health care system and to establish it.</p>	

## Curriculum map of the Bachelor program of Public Health.

1- Introduction, 2 - deepening, 3 - strengthening

		<b>Competence of the graduates of the bachelor's program "Public Healthcare"</b>		
	Name of the academic course	<b>Knowledge</b>	Skill	Responsibility and Autonomy
1	General and Medical Chemistry	1	1	1
2	General and Medical Biology			
3	Medical Physics Biophysics	1	1	1
4	Medical biochemistry	2	2	2
5	Microbiology- Virology- Immunology 1	1	1	2
6	Microbiology- Virology- Immunology 2	2	2	2
7	Human Anatomy 1	1	1	1
8	Human Anatomy 2	2	1	2
9	Human physiology 1	1	1	1

10	Human physiology 2	2	2	2
11	General Surgery	2	2	2
12	Infectious Diseases	2	2	2
13	Therapy	2	2	2
14	Radiation Hygiene	2	2	2
15	Communal hygiene 1	2	2	2
16	Communal hygiene 2	2	2	2
17	Sociology	1	1	1
18	Psycho-hygiene	1	1	1
19	Special course of threpsology	1	2	2
20	Medical Ecology	1	1	1
21	Workplace hygiene	2	2	2
22	Nutrition hygiene	2	2	2
23	Toxicology.	2	2	2
24	Children and adolescent hygiene 1	2	2	2
25	Children and adolescent hygiene 2	2	2	2
26	Epidemiology 1	2	2	2

27	Epidemiology 2	2	2	2
28	Epidemiology 3	2	2	2
29	Healthcare management, policy and economics.	2	2	2
30	Healthcare management, policy and economics 2	2	2	2
31	Healthcare management, policy and economics 3	2	2	2
32	Basics of Hygiene	1	2	2
33	Family medicine	1	2	2
34	Preventive Medicine	2	2	2
35	Public Healthcare 1.	2	2	2
36	Public Healthcare 2.	2	2	2
37	Basics of insurance medicine			
38	Financing and Planning of Healthcare 1	3	3	3
39	Financing and Planning of Healthcare 2	3	3	3
40	Preventive pathology	1	2	2
41	Environmental Medicine	2	2	2

42	Applied epidemiology	3	3	3
43	Hospital Management	3	3	3
44	Applied Public Healthcare	3	3	3
45	<b>Teaching practice 1</b>	3	3	3
46	<b>Teaching practice 2</b>	3	3	3
	<b>Elective Courses</b>			
1	Radiology	1	1	2
2	Basics of Physical Medicine and Rehabilitation	1	1	2
3	Phytotherapy	1	1	1
4	Methodology of inclusive education.	1	1	1
5	History of Medicine	1	1	1
6	Eastern Medicine	1	1	1
7	Latin language, medical terminology	1	1	1
8	Medical psychology	1	1	2
9	Psychiatry	1	1	2
10	Phthisiology	1	1	2
11	Internal diseases propaedeutics	1	1	2
12	Skin and venereal diseases	1	1	2
13	Pharmacology.	1	1	2
14	Medical Genetics	1	1	1
15	Private Surgery	1	2	2

16	Pathology	1	1	2
	<b>General or free components, research: A) Mandatory Courses</b>			
17	Academic Writing	1	1	1
18	Foreign language 1 (English)	1	1	1
19	Foreign language 2 (English)	1	2	1
20	Foreign language 3 (English)	2	2	1
21	Information Technologies	1	1	1
22	Bioethics 1	1	1	2
23	Bioethics 2	1	1	2
	<b>B) Elective Courses</b>			
24	Issues of normalization of modern Georgian literary language	1	1	1
25	Generative analysis of literature	1	1	1
26	Old Testament	1	1	1

27	New Testament	1	1	1
28	Introduction to Christian Doctrine	1	1	1
29	History and Culture of Georgia 1	1	1	1
30	History and Culture of Georgia 2	1	1	1
31	Anthropology	1	2	1
32	Culture of Speech	1	1	1
33	Behaviorist psychology	1	1	1
34	<b>Preparing and defending Bachelor's thesis</b>			

