

Approved

by the order of the Rector of N(N)LE,
Saint King Tamar University
of Georgian Patriarchate
01/1/16, 14.05.2021

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

Masters Program

Program title: 0919.1.1 / Public health and health policy, Bioethics

Qualification/academic degree to be awarded 0919.2.2 Master of public health and health policy

Program volume in credits: 120(ECTS) CREDITS

Basic Educational Structural Unit that implements the program:

Faculty of Biomedical and Natural Sciences and Healthcare.

The head of the program: Professor of St. King Tamar University of the Georgian Patriarchate, Doctor of Medicine, Archimandrite Adam (Vakhtang Akhaladze).

Language of instruction: Georgian

The program purpose

The aim of the program is to prepare highly trained specialists in theoretical knowledge and practical skills for independent professional activities in accordance with modern European, world and domestic university standards, labor market requirements, both in general and national health policy, for which the program provides:

- A) Equipping graduates with in-depth, systemic knowledge of public health and health policy, bioethics.
- B) Readiness for continuing education at the next (doctoral) level and for continuous professional development
- C) Training of highly qualified public health specialists who are able to do the following: A) Disease management, analysis of the achievements of evidence-based medicine.. Adapting to modern health care standards in health care science.
- D) Development and analysis of individual and public health policies. Rational use of information systems. Familiarity with professional standards, evaluation.
- E) be aware of the ways and means of health assessment and segregation, the development of separate areas of public health and health policy; Issues of medical activity and healthcare as a whole, as well as social protection and social security.

The Program Admission Precondition

A person having at least Bachelor's degree or an equivalent academic degree has the right to undertake the Master's Programme.

The rules for admission, study, and award of a master's degree at the University Faculty are determined by normative acts of the State of Georgia, the University Statute, and the individual-legal act of its Rector.

A person can become a Master's student, if he/she has at least Bachelor's degree or an equivalent academic degree, passes pre-registration at the LEPL - National Assessment and Examinations Center, passes the General Master's Exam in the field of Master's educational program approved by the Government of Georgia and based on the rules established by the integral regulations of the university enrolls in the unified list of MA students.

Enrollment of foreign citizens is done in accordance with the rules established by the legislation of Georgia.

Access to the master's program through mobility is in accordance with the legislation of Georgia and the regulations of the University. The admission requirements to the programme and other information relevant to the admission is annually placed on the website of the National Assessment and Examination Center, directory and the website of the University.

Areas of employment:

LEPL of the Ministry of Environmental Protection and Agriculture of Georgia - National Food and Environment Agencies;

Public Health Service of the Ministry of Internally Displaced Persons from the Occupied Territories, Health, Labour and Social Affairs of Georgia.

The National Center for Disease Control and Public Health

Medical-prophylactic institutions (according to qualification);

Insurance companies and other relevant institutions.

Learning Outcome

Field competencies

a) Knowledge:

1. Which builds on and enhances prior learning education, and with a critical understanding of this knowledge, which incorporates some of the latest advances in public health, in the context of research, provides the basis or opportunities for original development and application of innovative ideas.
2. Knowledge of Organizational Behavior, Marketing, Public Health Perspectives, Medical Assistance Management, Financial work and Financial Analysis, Medical Assistance Policy, Public Health Economic Analysis, Health Policy Economics, Food Policy, Pharmaceutical Policy and Quality Management, Dental Assistance Health Policy, Health Care legislation, beneficiary cost analysis and efficiency analysis.
3. Knowledge of the health status and demographic characteristics of the population of Georgia, including morbidity, disease spread, mortality and life expectancy;
Knowledge of organization and financing of health services in Georgia;
Knowledge of epidemiology, medical statistics, evidence-based medicine, public health;
Understanding the main problems of public health in Georgia; Understand the structure and role of public services in solving public health problems;
4. Knowledge of the role of political entities in the formulation and implementation of health policy, as well as the impact of laws and regulations on public health. Knowledge of health legislation, bioethics;

Knowledge of the role of political entities in the formulation and implementation of health policy, as well as laws and regulations governing public health; Knowledge of insurance business.

b) Ability:

5. Ability to analyze the role of the state and the private sector in health policy and to demonstrate the importance of political processes in shaping this role; Ability to analyze and evaluate the policy development process;

Ability to identify political barriers and opportunities and identify ways to achieve strategic goals;

Ability to collect, analyze and synthesize information on health policy problems and issues;

6. Ability to develop alternative policy options and assess their economic, political, administrative, legal and social consequences; Ability to identify public health laws, regulations and policies related to specific programs and to assess their impact; Ability to establish monitoring and evaluation criteria for policies and programs.

7. Ability to develop, analyze and evaluate effective public health:

Ability to analyze the health status and demographic characteristics of the population of Georgia, including health promotion and disease prevention, morbidity, disease spread, mortality and life expectancy; Ability to understand the structure and role of public services in solving public health problems;

8. Ability to analyze and evaluate the policy development process and understand its impact on health policy development and implementation;

Ability to collect, analyze and synthesize information on health policy problems and issues; Ability to develop alternative policy options and assess their economic, political, administrative, legal and social consequences; Ability to identify and evaluate public health laws and regulations related to specific programs; Ability to establish monitoring and evaluation criteria for policies and programs.

9. Graduates of the program will have a thorough theoretical knowledge and practical skills, thus promoting the future, scientific and public career and intellectual growth of graduate students, so that they can apply the acquired knowledge and skills in the field of health management.

c) Responsibility and Autonomy

10. Has the ability to cope with difficulties in an unfamiliar or multidisciplinary environment, to find new, original ways to solve difficult problems

or/and carry out studies independently. It can also present its conclusions publicly, clearly substantiating them with relevant knowledge and logic in the circle of both specialists and non-specialists.

11. The graduate will be able to independently manage unpredictable and multidisciplinary learning and / or work environment. Contribute to the development of professional knowledge and practice. Possesses skills that enable the continuation of independent learning at a later stage of education. He/she will have the ability to conduct research independently using the latest methods and approaches.

12. Develop the skills to use relevant quantitative tools for evidence-based public health analysis and program evaluation:

Proper use of data and quantitative methods to identify and solve problems;

Assess data integrity and comparability and identify data source deficiencies.

Methods for achieving the learning outcomes

For the purpose of achieving the learning outcomes of the programme, for working at the lecture, in a group, practical learning, independent learning, training, scientific and industrial practice, preparation and passing of the mid-term assessments and final exams, working on a research paper (conference paper, scientific paper, patent application, Master's thesis), defending an educational-scientific work and in other relevant formats, the following methods are used: Method of working on the book (making extracts / notes, making a summary on a material, composing abstracts, writing an abstract or an essay, etc.), verbal method, laboratory method (aesthetics of visually presented materials, presentation technology, demonstration of equipment consumption, demonstration of video material), practical method (industrial-cognitive, pedagogical, professional, field, etc.), heuristic method, etc. Means of implementing the above methods are: discussion, debates, working in groups, problem-based and action-oriented teaching, case studies and its statistical analysis, brainstorming, discussion of model situations, situational games, induction, deduction, analysis, synthesis, explanation, raising a rational question, solutions and methods, result and argumentation; Adherence to the time regulation, logical reasoning, making the right conclusions, optimal answers to questions.

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.

Evaluation system for student's knowledge

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. The procedure of assessing the achievement of the Master's student complies with the requirements of the relevant regulatory rules and the administrative-legal acts of Saint King Tamar University of Patriarchate of Georgia on the assessment of the student's achievements. The principles of transparency and fairness are enshrined. Calculation of the educational program credits and evaluation of the student's achievements are conducted in accordance with the Order N3 (issued on 05.01.2007) of the Minister of Education and Science of Georgia.

The Master's Programme includes learning as well as research components. The study component provides for the study of compulsory training courses, general or free components within the Master's Programme. The Master's student has the right to choose the desired disciplines from the elective part of the Master's program. The teaching and research work performed by the Master's student is measured by credit.

Credit in the training component provided by the Master's Programme is obtained only after the successful completion of the required work and in case of a positive evaluation of this work. The evaluation of the work carried out by the student of the Master's Programme involves the following: 1. Student's midterm assessments within 60 points, which in turn include the student's academic activity, independent work, and other components (colloquium, presentation, etc.). The components of midterm assessments and their share in various subjects are different and correspond to the interest of effective teaching of the subject. The evaluation parameters are varied, reflected in the syllabi (their variability is allowed). The ratio between the various components is determined by the syllabus of a particular training course.

The final exam formats are differentiated according to the training courses. The right to take a final examination is given to the Master's student, who accumulates, no less than 51 scores, taking into account

the maximum scores of the midterm evaluations and the final examination. The final exam grade is positive if the Master's student receives 20 or more points (50% or more of the maximum evaluation of the exam). In case of not appearing at the exam or getting negative assessment, despite the points accumulated in other components, the Master's student will not receive the credit.

The share of the exam in the final evaluation (sum of midterm and exam grades) does not exceed 40%.

The evaluation system envisages:

a) Five types of positive evaluation:

a.a) (A) Excellent - 91-100 points of assessment; a.b) (B) Very good - 81-90 points of maximum assessment; a.c) (C) Good - 71-80 points of maximum evaluation; a.d) (D) Satisfactory - 61-70 points of maximum evaluation; a.e) (E) Sufficient - 51-60 points for maximum evaluation.

b) Two types of negative evaluation:

b.a) (FX) Did not pass – 41-50 points of maximum evaluation, meaning that a student requires more work to pass and is given a chance to sit an additional examination after independent work;

b.b) (F) Failed - 40 points of maximum evaluation or less, that means that the work performed by a student is not sufficient and he/she has to learn the subject anew.

The research component of the Master's Program includes: Performing a Master's thesis, which should reflect the substantiated results of theoretical and/or empirical research; and the defense of a Master's thesis, i.e., a public presentation of the thesis.

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

The Master's thesis is a kind of summary work, by which the student's reasoning, analysis and synthesis skills in the specialty are checked, 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 Master's Programme.

Master's thesis should meet the requirements listed below (see: №061/01 Order of the Rector of Saint King Tamar University of Patriarchate of Georgia issued on December 5, 2018 on "Approving the rules for planning, implementation and evaluation of the scientific-research component of the educational programmes of Saint King Tamar University of Patriarchate of Georgia)

The student has a supervisor while working on the Master's thesis. The supervisor of the Master's thesis is selected by the student from the academic staff of the University. The Master's student is able to choose the topic and supervisor of the Master's thesis at the beginning of the 3rd academic semester, not later than one month after the beginning of the academic semester. The topic of the Master'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.

Master's thesis supervisor: In order to guide the student in the right direction of the Master's thesis, helps him/her to select a topic, compile a work plan and develop a bibliography; checks the progress of the student's work on the topic, expresses remarks and recommendations; in case of directing the research in the wrong direction, helps the student in its correction.

The supervisor of the Master's thesis has the right to make a reasoned refuse (in writing) to supervise the Master's thesis of the student, 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.

Assessment of a Master's thesis

The evaluation of the draft Master's thesis/Master's thesis is carried out by the University Faculty Council. Draft Master's thesis/Master's thesis may be defended within the semester when the student finishes working on it or in the following semester. The mentioned components must be evaluated once (by a final evaluation). During the evaluation of the result, relevant method/methods and criteria shall be used.

Criteria and grades for MA thesis assessment:

№	Criterion	point	Assessment of the Member of the Commission (in points)
1	The degree of argumentation of the scientific and/or methodological value of the research	0-15	
2	Correlation between the research goal, objectives and research methodology	0-15	
3	Reliability and credibility of the results	0-15	

4	Compliance of the research results with the set goal and objectives	0- 15	
5	Quality of mastering field/thematic academic terminology by the Master's student	0- 10	
6	Visual part of the presentation: (Adequacy and sufficiency of the visuals)	0-10	
7	The degree of argumentation of own position by the Master's student in the discussion	0-20	
	In total	100	

In case of a positive evaluation of the draft Master's thesis/Master's thesis, the University Faculty Council makes a decision on awarding a Master's degree to the Master's student.

In case of evaluating the draft Master's thesis/Master's thesis with 41-50 grades (FX), the student has the right to defend the Master's thesis once again. The interval between the public defense and the additional defense of the Master's thesis should be not less than 10 days.

In case of evaluation of the master project / thesis with 0-40 points (F), the student is given the right to choose a new topic and to defend the master's thesis before the faculty council in the prescribed manner.

The award of a Master's degree is confirmed by a Master's Diploma.

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

The human resources required for the implementation of the program are defined by the academic staff of 2 professors of university, 15 Associate Professors, 1 Assistant Professor and 1 assistant. 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 with academic staff and invited specialists (teachers) concluded according to the rules established by the legislation of Georgia.

Information about material resources, needed for the program implementation;

The program is implemented on the basis of modern material and technical resources of Saint King Tamar University of the Georgian Patriarchate and is provided with the necessary resources: learning auditoriums equipped with modern equipment and inventory, library (book fund and scientific electronic databases), resources of the Center for Research, Development and Innovation, etc. Memorandums of Understanding have been signed with different structures and successful organizations and program components will be implemented using all resources available to the University.

In order to implement the master's degree program and achieve the learning outcomes provided by the program, the University has the appropriate infrastructure: 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

Academic Course	Code	ECTS	Volume of study activities in astronomical hours		Distribution of credits according to semesters				The lecturer	Precondition
			Contact	Independent	1	2	3	4		
1	2	3	4	5	6	7	8	9	10	11
<i>Obligatory academic courses</i>										
Healthcare management	M0919.2.2.01	5	45	80	5				Associated Professor, Vazha Zeikidze	No precondition -
Healthcare legislation	M0919.2.2.02	5	45	80	5				Invited teacher Khatuna Kekelashvili	-----
Healthcare Policy	M0919.2.2.03	5	45	80		5			Invited teacher - Nino Danelia	-----
Healthcare Economics.	M0919.2.2.04	5	45	80	5				Associated Professor, Vazha Zeikidze	-----
Research Methods in Healthcare	M0919.2.2.05	5	45	80	5				Invited teacher - Nino Danelia	-----
Epidemiology and Evidence-Based Medicine	M0919.2.2.06	5	45	80		5			Professor Guram Katsitadze	-----
Nutrition policy	M0919.2.2.07	5	45	80			5		Associate professor Tsisana Siprashvili	-----
Marketing	M0919.2.2.08	5	45	80			5		Invited teacher Khatuna Kekelashvili	-----
Cost-effectiveness and beneficiary effectiveness analysis	M0919.2.2.09	5	45	80			5		Associated Professor, Vazha Zeikidze	-----

Fundamental and Applied Bioethics	M0919.2.2.10	5	45	80			5		Professor Archimandrite Adam	-----
Public Healthcare	M0919.2.2.11	5	45	80			5		Invited teacher - Nino Danelia	-----
		55								
Elective Learning Courses										
Costs and control system	M0919.2.2.12	5	45	80			5		Associated Professor, Vazha Zeikidze	-----
Financial Management of Medical Assistance	M0919.2.2.13	5	45	80			5		Associated Professor, Vazha Zeikidze	-----
Fundamentals of Pharmaceutical Business Management <i>and Marketing</i>	M0919.2.2.14	5	45	80	5				Associate Professor Lia Tsiklauri	-----
Communication skills in healthcare	M0919.2.2.15	5	45	80			5		Invited teacher - Nino Danelia	-----
Leadership in Healthcare	M0919.2.2.16	5	45	80	5				Invited teacher - Nino Danelia	-----
Financial Work and Financial Analysis	M0919.2.2.17	5	45	80			5		Associated Professor, Vazha Zeikidze	-----
		15			25	20	25			
General or free components, research		50								
Academic Writing and Research Design	M01	5	45	80			5		Professor Inga Ghutidze	-----

Anthropology	M02	5	45	80			5		Professor Archimandrite Adam	-----
Foreign language (English)	M03	5	45	80	5				Professor Inga Ghutidze	Knowledge of English language at least B2.1 level;
statistics	M04	5	45	80		5			Invited teacher Gocha Vardosanidze	-----
Master's Thesis		30	150	600				30		According to the provision
In total		120			30	30	30	30		

	Characteristics of learning outcomes	Note
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Program learning outcome 1	Knowledge that is based on and enhances prior learning education, and with a critical understanding of this knowledge, which incorporates some of the latest advances in public health, in the context of research, provides the basis or opportunities for original development and application of innovative ideas.	
Program learning outcome 2	Knowledge of Organizational Behavior, Marketing, Public Health Perspectives, Medical Assistance Management, Financial work and Financial Analysis, Medical Assistance Policy, Public Health Economic Analysis, Health Policy Economics, Food Policy, Pharmaceutical Policy and Quality Management, Dental Assistance Health Policy, Health Care legislation, beneficiary cost analysis and efficiency analysis.	
Program learning outcomes 3	Knowledge of the health status and demographic characteristics of the population of Georgia, including morbidity, disease spread, mortality and life expectancy; Knowledge of organization and financing of health services in Georgia; Knowledge of epidemiology, medical statistics, evidence-based medicine, public health; Understanding the main problems of public health in Georgia; Understand the structure and role of public services in solving public health problems;	
Program learning outcomes 4	Knowledge of the role of political entities in the formulation and implementation of health policy, as well as the impact of laws and regulations on public health. Knowledge of health legislation, bioethics; Knowledge of the role of political entities in the formulation and implementation of health policy, as well as laws and regulations governing public health; Knowledge of insurance business.	
Program learning outcome 5	Ability to analyze the role of the state and the private sector in health policy and to demonstrate the importance of political processes in shaping this role; Ability to analyze and evaluate the policy development process; Ability to identify political barriers and opportunities and identify ways to achieve strategic goals; Ability to collect, analyze and synthesize information on health policy problems and issues;	
Educational program learning	Ability to develop alternative policy options and assess their economic, political, administrative, legal and social consequences; Ability to identify public health laws, regulations and policies related to specific programs and to assess their impact; Ability to establish monitoring and evaluation criteria for policies and programs.	

outcome 6		
Program learning outcome 7	Ability to develop, analyze and evaluate effective public healthcare: Ability to analyze the health status and demographic characteristics of the population of Georgia, including health promotion and disease prevention, morbidity, disease spread, mortality and life expectancy; Ability to understand the structure and role of public services in solving public health problems;	
Program learning outcome 8	Ability to analyze and evaluate the policy development process and understand its impact on health policy development and implementation; Ability to collect, analyze and synthesize information on health policy problems and issues; Ability to develop alternative policy options and assess their economic, political, administrative, legal and social consequences; Ability to identify and evaluate public health laws and regulations related to specific programs; Ability to establish monitoring and evaluation criteria for policies and programs.	
Program learning outcome 9	Graduates of the program will have a thorough theoretical knowledge and practical skills, thus promoting the future, scientific and public career and intellectual growth of graduate students, so that they can apply the acquired knowledge and skills in the field of health management.	
Program learning outcome 10	Has the ability to cope with difficulties in an unfamiliar or multidisciplinary environment, to find new, original ways to solve difficult problems or/and carry out studies independently. It can also present its conclusions publicly, clearly substantiating them with relevant knowledge and logic in the circle of both specialists and non-specialists.	
Program learning outcome 11	The graduate will be able to independently manage unpredictable and multidisciplinary learning and / or work environment. Contribute to the development of professional knowledge and practice. Possesses skills that enable the continuation of independent learning at a later stage of education. He/she will have the ability to conduct research independently using the latest methods and approaches.	
Program learning	Develop the skills to use relevant quantitative tools for evidence-based public health analysis and program evaluation:	

outcome 12	Proper use of data and quantitative methods to identify and solve problems; Assess data integrity and comparability and identify data source deficiencies.	
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Program goals:	knowledge				Ability					Responsibility and Autonomy		
	1	2	3	4	5	6	7	8	9	10	11	12
Equipping graduates with in-depth, systemic knowledge of public health and health policy, bioethics	v.	v	.	v.	v.			v.				
Readiness for continuing education at the next (doctoral) level and for continuous professional development	v	v	v.	v	v			v		v		
Training of highly qualified public health specialists who can manage diseases, analyze the achievements of evidence-based medicine. Adapting to modern health care standards in health care science.	v	v						v				
Develop and analyze individual and		v	v	v				v		v		

public health policies. Rational use of information systems. Familiarity with professional standards, evaluation.												
Be aware of the ways and means of health assessment and segregation, the development of separate areas of public health and health policy; Issues of medical activity and healthcare as a whole, as well as social protection and social security.		v	v		v			v		v		

Curriculum Map 2- deepening, 3 - strengthening

Academic Course		knowledge	Ability	Responsibility and Autonomy
1	Healthcare management	2	2	
2	Healthcare legislation		2	
3	Healthcare Policy		2	
4	Healthcare Economics.	2		2
5	Research Methods in Healthcare		2	
6	Epidemiology and Evidence-Based		2	2

	Medicine			
7	Nutrition policy	2	2	
8	Marketing		2	
9	Cost-effectiveness and beneficiary effectiveness analysis	2	2	
10	Fundamental and Applied Bioethics	2	2	
11	Public Healthcare		2	2
12	Costs and control system	2	2	
13	Financial Management of Medical Assistance		2	2
14	Fundamentals of Pharmaceutical Business Management and Marketing		2	
15	Communication skills in healthcare	2		2
16	Leadership in Healthcare			2
17	Financial Work and Financial Analysis		2	2
18	Academic Writing	2		

19	Anthropology	2		
20	Foreign language	2		2
21	statistics	2	2	
22	Master's Thesis	3	3	3

Programmes of the teaching courses
(syllabuses attached CD-R)

Programmes of the teaching courses (syllabuses