

Tbilisi State Medical University

Epidemiology and Environmental Medicine

Program Name	Epidemiology and Environmental Medicine
Program Leaders	Professor Irakli Mchedlishvili Professor Revaz Kverenchkhiladze
Qualification to be awarded	Master of Public Health in Epidemiology or Master of Public Health in Environmental Medicine (According to the disciplines/course concentration in the curriculum)
Program volume in credits	120 ECTS credits
Language of Instruction	Georgian
Aim of the program, which is focused on developing student competences and defining the sphere of employment	The aim of the MA program is to train professional individuals with respective qualification, equipped with theoretical knowledge and practical skills in the areas of public health and sanitary supervision for carrying out independent professional activities in epidemiology and healthcare medicine (hygiene), who meets the requirements the healthcare management organization with the possibility to take active part in carrying out national policy of healthcare.
Pre-requisites of the program	Academic degree of minimum a bachelor proving high medical education or the graduate diploma holder equivalent to the MA who overcame the minimum barrier of the united MA exam and successfully passed internal university exams in one's specific field and the foreign language.
Learning Outcome	At the end of the MA program the graduate has to independently carry out respective professional activities envisaging the requirements of the WHO in the fields of public health and sanitary supervision for which, they: <ul style="list-style-type: none">• Possess the knowledge which is based

	<p>on and further enhances the education obtained at the first stage of education and frequently ensures the basis for or the possibility of an original development and application of the idea within the research context</p> <ul style="list-style-type: none"> • Are able to use the knowledge and the ability to solve the problem in the new and unfamiliar environment within the context related to their field or the bordering (multidisciplinary) one; • Have the ability to integrate knowledge, deal with difficulties and formulate opinions based on incomplete or limited information which will reflect social and ethical responsibilities related with application of their knowledge; • Are able to publically present their conclusions, justify them clearly with respective knowledge and logic for both specialists and non-specialists • Possess such skills which enable them to continue self-defining or independent studies
<p>Methods of achieving learning outcomes</p>	<ul style="list-style-type: none"> • Lectures • Practical work/seminars • Group work • Discussion, situational analysis, case studies • Preparing talking points/presentation • Testing • Exam <p>Material-technical and learning resources existing on the bases of departments will be used in the academic process as well as the library funds of universities and departments, computer equipment, internet, computer programs, visual aids.</p>

<p>System of Assessing Student's Knowledge</p>	<p>Assessment of the work carried out by the student/MA student envisages:</p> <p>a) Mid-term evaluation (all compulsory components to be fulfilled by the student, which is envisaged in accordance with the syllabus of the course/module);</p> <p>b) Final exam score.</p> <p>Maximum score of the course/module is 100 out of which 40 points are given to the final exam. Main assessment methods used are: tests, oral or combined summative exam.</p> <p>There are five types of positive and two types of negative assessments.</p> <p>Positive assessments are:</p> <p>a) A (Excellent) - 91-100 % of maximum assessment;</p> <p>b) (B) Very good – 81-90 % of maximum assessment;</p> <p>c) (C) Good – 71-80 % of maximum assessment;</p> <p>d) (D) Satisfactory – 61-70 % of maximum assessment.</p> <p>e) (E) Sufficient - 51-60 % of maximum assessment</p> <p>Negative Assessments are:</p> <p>a) (FX) Failed to pass – 41-50 % of maximum assessment, which implies that the students needs to work more to pass and gets the right to take an additional exam after independent work</p> <p>b) (F) failed – 40 % of maximum assessment</p>
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and less which means that the work carried out by the student is not enough and a/he has to study the subject again

The correlation between various components of assessment is defined by the syllabus of the separate course of the MA program. The share of the exam in the final assessment (mid-term and the final exams) does not exceed 40 %.

The MA student has the right to pass the additional exam in the same semester. The period between final and respective additional exams should not be less than 5 days.

Based on the criteria envisaged by the educational program, practical work, MA and/or other types of work are assessed by the 100-point system.

Members of the committee of defending MA theses assess the MA work by the score of 0-100. The score is calculated by the members of the qualifying board of defending MA theses on the basis of the grade point average of the sum of the scores granted.

In case of assessing the MA thesis at the score of 51 and more, the work is considered defended based on the following distribution of assessment scores:

- 91-100 – Best piece of work;
- 81-90 – Very good piece of work;
- 71-80 – Good piece of work;
- 61-70 – Average piece of work;
- 51-60 – Satisfactory piece of work;
- 0-50 – Non-satisfactory piece of work;

In case of the failure to appear at the defence of the MA thesis due to a reasonable cause (illness, etc.) the work can be submitted within the period of 1 month or at the following defense with the consent of the board of the

	<p>respective department.</p> <p>In case of receiving the score of less than 51 at the public defense, it is possible to re-submit the thesis and defend it at the coming defense on the basis of the board of the respective faculty.</p> <p>The MA thesis may be submitted for defense not more than two times, by retaining the teaching component.</p>
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Curriculum:

I course teaching

№	Name of disciplines and training courses	Subject status	The total number of credits	Number of credits by semester	
				I	II
1.	Biostatistics	Mandatory	4	4	
2.	Epidemiological research methods	“_”	3	3	
3.	Epidemiological analysis	“_”	2	2	
4.	Public health surveillance and control	“_”	3	3	
5.	Medical English language	“_”	6	3	3
6.	Actual issues of environmental medicine	“_”	8	8	
7.	Radiation safety	“_”	4	4	
8.	Adolescent Generation Health Care Basics	“_”	3	3	
9.	Food Science	“_”	5		5
10.	Actual issues of labor medicine	“_”	5		5
11.	Medical ecology	“_”	2		2
12.	Disease prevention	“_”	4		4
13.	Epidemiology and prevention of major infectious diseases	“_”	6		6
14.	Epidemiology and prevention of non-infectious diseases	“_”	3		3
15.	Epidemiological supervision over nosocomial infections	“_”	2		2
	Total		60	30	30

II course teaching

Common disciplines

№	Teaching course/ Module	Subject status	Semester	ECTS credits
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1.	Bioprotection and biosafety	Mandatory	3	2
2.	Environmental epidemiology	“_“	3	2
3.	Complex examination and assessment of the health of the population	“_“	3	3
Total			3	7

Specialty - **Epidemiology**

№	Disciplines and teaching courses	Subject status	The total number of credits	Number of ECTS credits by semester	
				III	IV
1.	Clinical epidemiology	Mandatory	2	2	
2.	Healthcare legislation	“_“	2	1	
3.	Nutritional Epidemiology	“_“	2	2	
4.	Management and leadership in the health care system	Elective	1	2	
5.	Communication	“_“	1		
6.	Computer programs	“_“	1		
7.	Practice	Mandatory	10	10	
8.	Scientific work (performance of master's thesis)	“_“	36	6	30
Total			60	23	30

Specialty - **Environmental Medicine**

№	Disciplines and teaching courses	Subject status	The total number of credits	Number of ECTS credits by semester	
				III	IV
1.	Prophylactic toxicology issues	Mandatory	1	1	
2.	Professional medicine	“_“	4	4	
3.	Production Ergonomics	Elective	2	2	
4.	Prevention of Ecological Diseases	“_“	2		
5.	Practice	Mandatory	10	10	
6.	Scientific work (performance of master's thesis)	“_“	36	6	30
Total			60	23	30