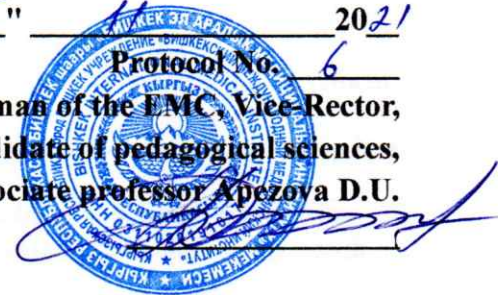




APPROVED
EMD decision

" 15 " _____ 2021

Protocol No. 6
Chairman of the EMC, Vice-Rector,
candidate of pedagogical sciences,
associate professor Apezyova D.U.



SYLLABUS by discipline

CC.3.8.1. PUBLIC HEALTH AND HEALTHCARE

For students of the educational program, higher professional education in the specialty 560001 "General Medicine" (5-year education) in the specialty "Doctor"

Type of study work	Total hours
course	5
Semester	9
Number of weeks	18
Credits	4
The total complexity of the discipline	120 hours
Classroom/practical studies (PS)	72
Student Independent Work (SIW)	48
Forms of control	
current control	Testing, oral questioning, written test
Frontier control	Testing
Midterm	Testing
Final control	exam
Semester rating by discipline:	Point-rating system

Information about the teacher of the academic discipline

Full Name	Samigullina Alpha Eldarovna
Post	teacher
Academic degree	Doctor of medical sciences
Academic title	professor
Email address	
Location of the department (address)	KR, Bishkek, st. Shabdan Baatyr 128, floor 2
Telephone	0772371xxx
Consultation hours	11.00-13.30

Characteristics of the academic discipline

The purpose of studying the discipline. This is an integral theoretical and applied science that studies the patterns of the influence of socio-economic factors and environmental conditions on the health of the population and justifies the system of state, public and medical measures to protect the health of citizens. During the course, students improve their knowledge and practical skills in economics in the practice of a doctor in public and private practice, in compliance with standards and taking into account the requirements

of the modern healthcare system to ensure high quality of medical care; the application of principles and management methods in the field of public health, in medical organizations and their structural units. Teaching students to use knowledge about the laws of public health and ways to protect and improve it in preventive activities; about the strategy of public health protection, directions of reforms and economic experiments in Kyrgyz and Russian healthcare.

Teaching students of modern medical statistics and evidence-based medicine in professional activity and research work.

To contribute to the development of modern socio-medical thinking among future doctors, to provide a basis for making organizational health care decisions in a market economy.

Learning outcomes of the discipline according to the RO GPP

The study of the discipline of microbiology, virology and immunology will contribute to the achievement of learning outcomes (RE) GEP:

RE-13- Apply interpersonal communication skills necessary for effective participation and leadership in a medical or other professional team.

RE-16- Identify innovative approaches that can benefit patients, the population and health systems in different states, paying attention to the quality, safety and importance of patient care, eliminating health inequalities.

The achievement of RE-13, RE-16 is realized by the acquisition of competencies by the graduate, i.e., his ability to apply knowledge, skills and personal qualities in accordance with the tasks of professional activity - IC-4, PC-8, PC-11, PC-26, PC-27, PC-29, PC-33

Within the framework of this discipline, it is expected to achieve the following results of teaching the discipline, which are implemented within the framework of achieving competencies:

PC-8 - is able and ready to apply up-to-date information on the health indicators of the population at the health care facility level

PC-11 - is capable and ready to carry out sanitary and educational work among the population to eliminate modified risk factors for the development of diseases, to give recommendations on healthy nutrition;

PC-26 - is capable and ready to use the regulatory documentation adopted in the healthcare of the Kyrgyz Republic, as well as used in international practical medicine;

PC-27 - is able and ready to use the knowledge of the structure of healthcare organizations, the referral and redirection system;

PC-29 - is capable and ready to assess the quality of medical care using basic medical and statistical indicators

PC-33 - is capable and ready to introduce new methods and techniques aimed at protecting public health.

Content of the discipline

№№	Name of topics
1.	Section 1. Medical statistics
2.	The subject and content of medical statistics. Organization of statistical research
3.	Relative values
4.	Variation series and average values
5.	Selective method and assessment of the reliability of the results of the study
6.	Standardized indicators. Standardized indicators
7.	Dynamic series
8.	Correlation Regression
9.	Types of graphic images
10.	Subject and content of medical statistics
11.	Organization of statistical research
12.	Relative values
13.	Variation series and average values
14.	Selective method and assessment of the reliability of the results of the study
15.	Standardized indicators
16.	Dynamic series
17.	Correlation analysis
18.	Regression analysis
19.	Section 2. Health statistics
20.	Medical and demographic indicators

21.	Morbidity and disability indicators
22.	Medical and demographic indicators
23.	Morbidity and disability indicators
24.	Section 3. Analysis of the state of health and healthcare by regions of the country
25.	Analysis of medical and demographic indicators of the region
26.	Analysis of the dynamic series of fertility and maternal mortality
27.	Analysis of morbidity by the appeal of adults and children
28.	Analysis of the activities of primary health care in the region
29.	Analysis of stationary service activity Analysis of stationary service activity
30.	Analysis of physical development of children
31.	Analysis of medical and demographic indicators of the region
32.	Analysis of the dynamic series of fertility and maternal mortality
33.	Analysis of morbidity by the treatment of adults and children
34.	Calculation and analysis of primary health care activities in the region
35.	Calculation and analysis of stationary service activities
36.	Calculation and analysis of children's physical development
37.	Section 4. Health management. Health management
38.	Introduction to Public health and Healthcare
39.	Public health and its conditioning conditions
40.	Risk factors for diseases
41.	The health status of the population in the Kyrgyz Republic and the dispensary service method
42.	Health Promotion Service
43.	Bonds of children and youth
44.	Bonds of women and the elderly
45.	Management in healthcare
46.	Marketing in healthcare
47.	Healthcare reform
48.	Fundamentals of Family Medicine
49.	Health Promotion Service
50.	Management in healthcare.
51.	Section 5. Quality management of medical services
52.	Social and medical insurance
53.	Quality of medical services
54.	Indicators of the state and activity of healthcare organizations
55.	Medical and labor expertise
56.	Section 6. Health Economics
57.	Health planning and economics
58.	Healthcare financing
59.	The healthcare system in foreign countries. Risks in healthcare
60.	The healthcare system in foreign countries. Risks in healthcare
61.	Healthcare financing

List of main and additional literature:

Main literature:

1. Agarkov N.M. Public health and healthcare: textbook/ Agarkov N.M., Fabrikantov O.L., Nikolashin S.I., Aksenov V.V., Proschaev K.I. – Moscow: KnoRus, 2021
2. Principles and Practice of Clinical Research, Edited by John i. Gallin, 2018

Additional literature:

1. Abubakirov A. S., Ananchenkova P. I., Amonova D. S. Medical care in the system of compulsory medical insurance. Publishing house of DirectMedia, 2019
2. Management and economics of healthcare. Textbook edited by A.I.Vyalkov/ Vyalkov A.I., Kucherenko V.Z. – M.: GEOTAR-Media, 2013.

Internet resources:

[https://drive.google.com\(drive\)u2\(folders\)1bSvRq34G-8mQudgccMy_L8oHtPpXBY77](https://drive.google.com(drive)u2(folders)1bSvRq34G-8mQudgccMy_L8oHtPpXBY77)
<https://www.elibrary.ru/item.asp?id=45637860>
<http://www.studmedlib.ru/book/ISBN97859>
<http://www.edu.ru>

http://www.medicina.ru
 http://www.infectology.ru
 http://www.journals.uchicago.edu/JAD/home.html

Monitoring and evaluation of learning outcomes

The content of the rating system for assessing student performance

The rating assessment of students' knowledge in each academic discipline, regardless of its total labor intensity, is determined on a 100 (one hundred) - point scale and includes current, boundary, intermediate and final control.

The distribution of rating scores between types of control is established in the following ratio (according to the table of the score-rating system of assessments):

Form of control				
current (CC)*	boundary control (BC)**	mid-term exams (MC)***	Final /exam (FE)	Discipline Rating (RD)
0-100 points	0-100 points	0-100 points	0-100 points	0-100 points, with the translation of points into a letter designation

Note:

* $TK(middle) = \frac{\sum_1^n \times point}{\sum_1^n}$, where n is the number of types of classroom and extracurricular work of students in the discipline;

** $PK(middle) = \frac{\sum_1^n credit \times point}{\sum_1^n credits}$, where n is the number of modules (credits) in the discipline;

*** $PK(middle) = \frac{\sum_1^n \times point}{\sum_1^n}$, where n is the number of intermediate controls (2 controls per semester: in the middle and at the end of the semester) by discipline;

**** ИК – examination conducted at the end of the study of the discipline

;

***** $РД = \frac{TK_{ср} + PK_{ср} + PK_{ср} + ИК}{4}$, the final rating of the results of all types of control at the end of the discipline;

$GPA = \frac{\sum_1^n \times балл}{\sum_1^n}$ where, n is the number of disciplines in the semester (for the past period of study).

A student who has not passed the current, boundary and intermediate controls to the final control (exam) is not allowed.

The current control is carried out during the period of classroom and independent work of the student on time according to the schedule, at the end of the study of the discipline, the average score of the current control (CC) is calculated. *Forms of current control can be:*

- testing (written or computerized);
- performance of individual homework assignments, abstracts and essays;
- student's work in practical (seminar) classes;
- various types of colloquia (oral, written, combined, express, etc.);
- control of performance and verification of reporting on laboratory work;
- visiting lectures and practical (seminar, laboratory) classes;
- Incentive rating (up to 10 points).

Other forms of current monitoring of results are also possible, which are determined by the teachers of the department and recorded in the work program of the discipline.

The frontier control is carried out in order to determine the results of the student's development of one credit (module) as a whole. *Frontier control* should be carried out only in writing, at the end of the study of the discipline, the average score of boundary control (BC) is calculated. As forms of *frontier control* of the training module, you can use:

- testing (including computer testing);
- interview with written fixation of students' answers;
- test.

Other forms of intermediate control of results are also possible.

Intermediate control (mid-term exams) is carried out in order to check the completeness of knowledge and skills in the material in the middle and end of the semester (2 times per semester) of studying the discipline, by the end of the study of the discipline, the average score of intermediate control (PCsr) is calculated, *forms of intermediate control (mid-term exams) can be:*

- testing (including computer testing);
- interview with written fixation of students' answers;
- test.

Other forms of intermediate control of results are also possible.

The final control is carried out during the session, by conducting an exam, it can be carried out in the following forms:

- testing (including computer testing);
- written exam (ticketing system).

Correspondence of the point-rating system of assessments used by the institute and the assessments of the European system for the transfer of credit units, labor intensity (ECTS)

Grade						Criterion
System of letters	digital system	Traditional system	Points (%)	Scored points (max - 100)	Evaluation by discipline without an exam	
A	4	5	95-100	95-100	Credited/ passed	"Excellent" - deserves a student who has shown a deep, systematic and comprehensive knowledge of the educational material, who freely performs practical tasks, who has mastered the recommended basic and additional literature on the discipline
A-	3,67		90-94	90-94		"Excellent" - deserves a student who has shown a deep, systematic and comprehensive knowledge of the educational material, who freely performs practical tasks, who has mastered the recommended basic literature on the discipline, but is not familiar with additional literature
B+	3,33	4	85-89	70-89		"Good" - exhibited to a student who has shown a systematic and comprehensive knowledge of the educational material, able to independently replenish and update this knowledge in the course of training, performing practical tasks, familiar with the main literature on the discipline
B	3,0		80-84			"Good" is given to a student who has shown a systematic and comprehensive knowledge of the educational material, who is able to independently replenish this knowledge in the course of training, performing practical tasks, but not fully familiar with the main literature on the discipline
B-	2,67		75-79			"Good" - is given to a student who has shown the systematic nature of knowledge in the discipline, who is able to independently replenish this knowledge in the course of training, performing practical tasks, but not fully familiar with the main literature on the discipline
C+	2,33		70-74			"Satisfactory" - is given to a student who does not have a systematic nature of knowledge in the discipline, who is not capable of independently replenishing and updating knowledge in the course of further education, performing practical tasks with errors
C	2,0	3	65-69	50-69		"Satisfactory" - is given to a student who made mistakes in completing assignments, but who has the necessary knowledge to eliminate them under the guidance of a teacher
C-	1,67		60-64			"Satisfactory" - is set to a student who made errors in the performance of tasks, but who has the possible knowledge to eliminate them under the guidance of a teacher
D+	1,33		55-59			"Satisfactory" - is set to a student who made errors in the performance of tasks, who does not have the necessary knowledge to eliminate them
D-	1,0		50-54			"Satisfactory" - is given to a student who has made significant errors in the performance of tasks, who does not have the necessary knowledge to eliminate them
FX	0,5	2	25-49	Less of 50	not credited/not passed	"Unsatisfactory" - is set to a student who has not completed the task, does not have the necessary knowledge to eliminate them
F	0		0-24			"Unsatisfactory" - is set to a student who has not completed the task, does not have the necessary knowledge to eliminate them, even under the guidance of a teacher

Academic achievement requirements:

Attendance by students of all classroom classes without delay is mandatory.

In case of absence, classes are worked out in the order established by the dean's office.

If there are three passes, the teacher has the right not to allow the student to attend classes until the issue is administratively resolved.

If the absence of classes is more than 20.0% of the total number of classes, the student automatically enters the summer semester.

Note to the student:

- ✓ regularly review lecture material;
- ✓ Do not be late and do not miss classes;
- ✓ work off missed classes if you have permission from the dean's office;
- ✓ Actively participate in the classroom (individually and in groups;)
- ✓ timely and fully complete homework assignments;
- ✓ submit all assignments within the time specified by the teacher;
- ✓ independently study the material in the library and at home;
- ✓ timely and accurately fulfill the tasks of the teacher, individual tasks for the IWS to achieve learning outcomes;
- ✓ to master the basic and additional literature necessary for the study of the discipline;
- ✓ performing tasks, the student should not copy or reproduce the work of other students, scientists, practitioners, plagiarism;
- ✓ develop their intellectual and oratory skills;

In case of non-compliance with the requirements of the Memo, the student will be penalized in the form of deducting points (one point for each violated item).

If the requirements of the Memo are fully met, the student is encouraged in the form of an additional 10 points to the final control in the discipline.

Academic Integrity, Conduct and Ethics Policy:

- turn off your cell phone during class;
- Be polite;
- respect other people's opinions;
- formulate objections in the correct form;
- do not shout or raise your voice in the audience;
- independently complete all semester assignments;
- Eliminate plagiarism from your practice;

Methodical instructions.

It is recommended to organize the time required to study the discipline as follows:

When preparing for a practical lesson, you must first read the abstract with the teacher's explanations.

When performing exercises, you must first understand what you want to do in the exercise, then proceed to its implementation.

Literature work. The theoretical material of the course becomes more understandable when books are studied in addition to the abstract. After studying the main topic, it is recommended to perform several exercises.

Preparation for boundary and intermediate controls. In preparation for the boundary and intermediate control, it is necessary to study the theory: the definitions of all concepts before understanding the material and independently do several exercises.

Independent work of students is organized on all studied topics of each section. Independent work is carried out in the form of:

- work in Internet sites;
- work with basic and additional literature;
- fulfillment of written assignments;
- preparation of reports, abstracts, tables and posters on