



APPROVED
EMD decision

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Protocol No. 5

Chairman of the EMC, Vice-Rector,
candidate of pedagogical sciences,
associate professor Apezova D.U.



SYLLABUS by discipline

CC.3.8.2. GENERAL HYGIENE

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	3
Semester	5
Number of weeks	18
Credits	3
<i>The total complexity of the discipline</i>	90
Classroom/practical studies (PS)	54
Student Independent Work (SIW)	36
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	Atambayeva Raisa Minhamedovna
Post	teacher
Academic degree	Doctor of medical sciences
Academic title	professor
Email address	
Location of the department (address)	KR, Bishkek, st. Shabdan Baatyr 4/4, floor 2,
Telephone	0775983xxx
Consultation hours	11.00-13.30

Characteristics of the academic discipline

The purpose of studying the discipline is to master the theoretical foundations of all sections of hygiene for the formation of preventive thinking among students, a more reasonable diagnosis of diseases of infectious and non-infectious nature and proper pathogenetic treatment. The theoretical course of hygiene examines the general patterns of the impact of environmental factors on health. working capacity and life expectancy. 2. To provide students with information for mastering the methodology of preventive medicine, acquiring knowledge and skills to assess the impact of environmental factors on human and population health. Doctors should know the issues related to the influence of an unfavorable external environment on human health, actively apply prevention methods, prevent chronic forms of diseases, which is one of the

factors of preserving the health of the population. The study of the discipline is necessary to master the theoretical foundations of all sections of hygiene for the formation of preventive thinking among students, a more reasonable diagnosis of diseases of infectious and non-infectious nature and proper pathogenetic treatment. The theoretical course examines the general patterns of the impact of environmental factors on health, working capacity and life expectancy. Provides students with information for mastering the methodology of preventive medicine, acquiring knowledge and skills to assess the impact of environmental factors on human and population health. Students study the principles of organizing measures to prevent the adverse effects of environmental factors on the human body, rationing and forecasting the effects of environmental factors on the human body. By the end of the course, students can give a hygienic assessment of the conditions of stay of patients in medical institutions, assess the occupational hygiene of workers in industrial enterprises, occupational hygiene of medical workers, military personnel, hygiene of the process and conditions of children's education. They can interpret the peculiarities of the influence of abiotic environmental factors on human health (solar radiation, temperature, humidity, air velocity, atmospheric gas composition, natural and artificial lighting). They can train patients and their relatives on basic hygienic measures of a health-improving nature (accounting for daily energy consumption, drawing up a diet, work and rest, the influence of weather on health, hardening). Have the skills to identify adverse environmental factors, including climatic, weather, which contribute to the growth of seasonal diseases. Use the principles of rational nutrition for the prevention of obesity, atherosclerosis, caries, etc. Be able to analyze and adjust individual nutrition, create favorable conditions for work, stay of patients in medical institutions, taking into account temperature, humidity, microbial air pollution in wards, offices, main and auxiliary rooms, which is also the main factor necessary for the quality treatment of patients and prevention of nosocomial infection

Discipline Prerequisites:

- Microbiology, Virology, Immunology
- Basic pharmacology
- Pathological anatomy
- Propedtherapy
- About Pediatrics
- Propedsurgery
- Patient care
- Radiation diagnostics and therapy
- Assistant Nurse
- Endocrinology
- Childhood illnesses
- Outpatient pediatrics

Postrequirements of the discipline:

- Bioethics
- Ophthalmology
- ENT diseases
- Dentistry
- Topographic anatomy
- Medical parasitology
- Evidence-based medicine

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-15-demonstrate the knowledge and skills necessary to promote the improvement of public health at the individual and community level, respecting the needs of different groups.

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-25- is capable and ready to teach the population basic hygiene measures and educational activities for the formation of healthy lifestyle skills.

Content of the discipline

№.№	Name of topics
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1.	Hygienic basics of child and adolescent health
2.	Methods of assessing the state of health, indicators of the levels of physical development of children and adolescents
3.	Methods of standardization of physical development of children and adolescents
4.	Problems of adaptation of children and adolescents to environmental influences. Health of the child population
5.	Hygienic requirements for preschool institutions. Organization of the daily routine
6.	Hygienic requirements for the general and situational plan of placement of preschool institutions, playgrounds and sports grounds
7.	Hygienic requirements for learning conditions, prevention of fatigue and overwork of schoolchildren
8.	- Hygienic assessment of the educational process of the organization of the schedule
9.	Hygienic requirements for school furniture and equipment
10.	Hygiene of labor education, training and vocational education of students
11.	Hygienic assessment of children's readiness for school, school maturity and career guidance
12.	Organization of medical control over the health of children and adolescents in preschool and school institutions
13.	Hygienic requirements for accommodation projects, planning and equipment of medical and preventive institutions
14.	Sanitary and hygienic requirements for the land plot, water supply and sewerage of medical and preventive institutions
15.	Hygienic assessment of the conditions of stay of patients in medical and preventive institutions
16.	Hygienic requirements for somatic (therapeutic), surgical, pediatric maternity wards.
17.	Hygienic requirements for the territory, microclimate, natural and artificial lighting, ventilation, interior decoration of hospital departments. Examination and preparation of the protocol of departments of healthcare institutions on the example of Bishkek. Interactive lesson
18.	Hygienic requirements for water supply and sewerage, disposal of medical waste
19.	Hygienic requirements for specialized medical institutions
20.	Organization of control over personal hygiene and health status of employees of the food department
21.	Occupational hygiene of medical and service personnel in healthcare institutions
22.	Working conditions and safety of medical personnel in infectious and anti-tuberculosis institutions
23.	Personal hygiene of medical personnel in infectious and anti-tuberculosis institutions
24.	Working conditions and safety of medical personnel in radiological departments of hospitals and X-ray rooms
25.	Work and rest regime, personal hygiene of radiologists and radiologists
26.	Occupational diseases of radiologists and radiologists, preventive measures
27.	Labor peculiarities and occupational hazards of medical workers
28.	Occupational hygiene of obstetricians and gynecologists, surgeons. anesthesiologists, work in pressure chambers and physiotherapy rooms
29.	Personal hygiene, nutrition. medical workers
30.	Final lesson
31.	Fundamentals of Occupational Hygiene and Physiology
32.	Methods of hygienic assessment of hazardous and harmful production factors
33.	Physiological changes in the body of workers in the process of work
34.	The main occupational hazards, occupational safety of workers in various industries
35.	Occupational hygiene and occupational diseases when exposed to dust, vibration, noise, laser radiation on the body of workers
36.	Professional selection for enterprises with harmful working conditions
37.	Prevention of occupational diseases, poisoning and industrial injuries
38.	Industrial poisons, the effect of lead and mercury on the body of workers
39.	Labor protection of workers working under harmful working conditions (legislative and social aspects)
40.	Fundamentals of the organization of sanitary and hygienic measures in the troops. The main occupational hazards
41.	Barracks and field deployment of troops

42.	Features of field deployment of troops
43.	Occupational hygiene in the main branches of the armed Forces
44.	Water supply of troops in the field
45.	Purification and disinfection of water in the field
46.	Medical and sanitary-hygienic services for military personnel
47.	Occupational diseases and their prevention of habitability (Sr)

List of main and additional literature:

Main literature:

1. General Hygiene and Medical Ecology. A.V. Kubyshkin, 2018

Additional literature:

1. Hygiene and human ecology textbook/ I.I. Burak
2. Sanitation and food hygiene training manual/ Nikitina E.V., Kitaevskaya S.V.

Internet resources:

<http://www.edu.ru>

<http://www.medicina.ru>

https://drive.google.com/drive/u/2/folders/1JcX3_7pa36zvjApAI7Dd-GifrrM7R9HI

<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

;

***** $PД = \frac{TK_{cp} + PK_{cp} + PK_{cp} + ИК}{4}$, 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	3	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		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