



**APPROVED  
EMD decision**

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Protocol No. 6

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



## **SYLLABUS by discipline**

### **B. 3.6. FAMILY MEDICINE**

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	4,5
Semester	8,9,10
Number of weeks	54
Credits	12
The total complexity of the discipline	360
Classroom/practical studies (PS)	216
Student Independent Work (SIW)	144
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	Kushubekova Ainura Kasymovna
Post	teacher
Academic degree	
Academic title	
Email address	
Location of the department (address)	KR, Bishkek, st. Shabdan Baatyr 128, floor 2
Telephone	0553355xxx
Consultation hours	11.00-13.30

### **Characteristics of the academic discipline**

*The purpose of studying* the discipline. During the course, students get a basic understanding of the structure and functions of various organs of the human body, etiopathogenesis, clinic, diagnosis and treatment of major diseases of adults and children. They get acquainted with the methods of laboratory diagnostics in the work of a general practitioner (family doctor) and the organizational and legal basis of family medicine. They study the social aspects of working with the family and the psychological aspects of working with the family. Students learn to resolve common crisis situations. The work of a family doctor with children. Work on the production principle. The use of information technology and office equipment

in general medical practice (family medicine). Regional specifics of family medicine. Preventive aspects of the family doctor's activity.

**Prerequisites of the discipline:**

- Faculty therapy
- Hospital therapy
- Outpatient therapy
- Childhood illnesses
- Surgical diseases
- Urology
- Obstetrics and gynecology

**Postrequisites of the discipline:**

- Fundamentals of Communication psychology and medical communication
- Coronavirus: New challenges
- Assistant hospital doctor
- Epidemiology

**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-7-** Apply deductive thinking in solving clinical problems.

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-5** is capable and ready to conduct and interpret a survey, physical examination, clinical examination, the results of modern laboratory and instrumental studies, write a medical record of an outpatient and inpatient patient of an adult and a child;

**PC-9** is able to apply up-to-date information on the health indicators of children and adults at the level of various health care units in order to develop evidence-based measures to improve and preserve the health of the population;

**PC-10** is able to use methods of assessing natural (including high-altitude) and medico-social environmental factors in the development of diseases in adults and children;

**PC-11** - to carry out preventive measures to prevent infectious, parasitic and non-communicable diseases, to carry out sanitary and educational work on hygienic issues;

**PC-16** is able to analyze the patterns of functioning of individual organs and systems, use knowledge of anatomical and physiological foundations, basic methods of clinical and immunological examination and assessment of the functional state of the body of an adult and children for timely diagnosis of diseases and pathological processes;

**PC-17** is able to identify the main pathological symptoms and syndromes of diseases in patients, using knowledge of the basics of biomedical and clinical disciplines, taking into account the laws of the course of pathology in organs, systems and the body as a whole, analyze the patterns of functioning of various organs and systems in various diseases and pathological processes, use an algorithm for diagnosis (main, concomitant, complications) taking into account the ICD, perform basic diagnostic measures to identify urgent and life-threatening conditions;

**Content of the discipline**

<b>№№</b>	<b>Name of topics</b>
1.	Section 1. Organizational and legal basis of the general practitioner's activity
2.	Organization of primary medical care on the principle of a general practitioner (family doctor). Fundamentals of health insurance.
3.	Regulatory and legal regulation of medical care on the principle of general medical practice
4.	Section 2. Medical psychology and deontology in the practice of a general practitioner
5.	Fundamentals of medical psychology. Information of patients about the disease (education of patients). Communication skills of a doctor. Questions of conflictology
6.	Psychological factors in the treatment of patients with diseases of internal organs. Information of patients about the disease (education of patients). Communication skills of a doctor. Questions of conflictology
7.	Working with electronic educational resources, information reference systems, databases
8.	Section 3. Prevention in professional activity

9.	Smoking as a health risk factor. Alcohol and human health. Prevention of chronic non-communicable diseases. Prevention of infectious diseases and STDs. Mental health. Aspects of geriatrics in general medical practice. Prevention of injuries in the elderly
10.	The concept of risk factors for the development of diseases. Educating the population and advising the patient on healthy lifestyle issues. Secondary prevention. Medical examination of the population. Tertiary prevention and rehabilitation. Fundamentals of rational nutrition. Fundamentals of physical activity, its importance for normal life and prevention of diseases
11.	Section 4. Internal diseases (pulmonology, cardiology)
12.	Community-acquired pneumonia
13.	Pneumonia. Asthma. COPD. Acute and chronic respiratory failure
14.	Emergency pulmonology
15.	Myocardial infarction. ECG diagnostics
16.	Hypertension
17.	Hypertensive crisis. Emergency therapy
18.	Endocarditis, pericarditis. Myocarditis
19.	Atrial fibrillation
20.	Congenital and acquired heart defects
21.	Acute and chronic heart failure
22.	Tactics of management and treatment of asthma. COPD management and treatment tactics. Tactics of management and treatment of pneumonia. Management and treatment of acute and chronic respiratory failure
23.	Tactics of management and treatment of myocardial infarction Tactics of management and treatment 8 pcs-2 pcs L2.2 -5 pcs-6 pcs-8 1 List of control issues of hypertension Tactics of management and treatment of atrial fibrillation Tactics of management and treatment of acute and chronic heart failure
24.	Work with electronic educational resources, information reference systems, databases Work with literature Preparation of presentations Writing abstracts Preparation of reports, messages
25.	Section 5. Issues of surgery, traumatology and orthopedics in general medical practice
26.	Organization of primary health care for the population with surgical diseases and injuries
27.	Transfusion of blood and blood substitutes
28.	Aseptics and antiseptics. Methods of anesthesia at the medical site. Preparing the patient for surgery on an outpatient basis/ Acute abdominal disease (clinic, 6 pcs-5 pcs L2.2 -6 1 List of control questions Fund of test tasks for solving situational community-based diagnostics, tactics of a general practitioner (family doctor) at the pre-hospital stage of patient management)
29.	Section 6. Issues of dermatovenerology in general medical practice
30.	Clinical evaluation of skin rash. Infectious and parasitic skin diseases
31.	Precancerous skin and mucous membranes. Syphilis. Gonorrhea. Non-gonorrheal diseases of the genitourinary organs
32.	Section 7. Issues of pediatrics in general medical practice
33.	Medical and social bases of maternity and childhood protection; principles of organization of medical and preventive care for children. Medical examination of healthy children and risk groups
34.	Medical examination of healthy children and risk groups. Health groups and risk groups. Organization of patronage supervision during the newborn period
35.	Prevention and diagnosis of early deviations in the state of health and development of children. Methods of improving children's health
36.	Features of clinical manifestation, course, prevention, community-based diagnosis, treatment of the most common diseases in children

### **List of main and additional literature:**

#### **Main literature:**

1. Kuznetsova, O. Yu. General medical practice: national guidelines / edited by O. Yu. Kuznetsova, O. M. Lesnyak, E. V. Frolova. - 2nd ed., reprint. and add. - Moscow: GEOTAR-Media, 2020
2. Essential Med Notes. 31st Edition. Toronto Notes for Medical Students, Inc. Toronto, Canada. 2015

#### **Additional literature:**

1. Berman J. Empathic teaching: education for life. - Amherst: University of Massachusetts Press, 2014
2. Denisov I.N., Lesnyak O.M. General medical practice. National leadership. In 2 volumes. Geotar – Media, 2013

3. Nobel J. General medical practice by John Nobel. Textbook of Primary Care Medicine // In the lane . From English by E.Timofeev et al. In 3 tt. 2005

**Internet resources:**

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

;

\*\*\*\*\* $PD = \frac{TK_{cp} + PK_{cp} + PK_{cp} + ИК}{4}$ , 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	50-69		"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			"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