



**APPROVED**

**EMD decision**

" 15 " \_\_\_\_\_ 2021

Protocol No. \_\_\_\_\_

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



## **SYLLABUS by discipline**

### **B.3.3.4. BASICS OF CLINICAL EXAMINATIONS IN PEDIATRICS**

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	10
Number of weeks	18
Credits	2
The total complexity of the discipline	60
Classroom/practical studies (PS)	36
Student Independent Work (SIW)	24
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	Shukurova Venera Kojonovna
Post	Teacher
Academic degree	
Academic title	
Email address	
Location of the department (address)	KR, Bishkek, st. Shabdan Baatyr 128, floor 2, room 6
Telephone	
Consultation hours	11.00-13.30

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

*The purpose of studying* the discipline. The study of this course forms ideas about the basic principles of the professional activity of primary care specialists in polyclinics, at home, providing urgent pre-hospital diagnostics and medical care. Provides students with fundamental knowledge on the organization of therapeutic and preventive care for children and adolescents in outpatient settings, primary, secondary and tertiary prevention of various diseases in children and adolescents, standards of emergency and emergency care at the pre-hospital stage; it allows to increase the level of understanding and practical training in solving problems related to the examination, diagnosis and treatment of various pathological conditions in children and adolescents in a children's outpatient center. Students are given the opportunity to study practical

techniques and methods used by a district pediatrician in order to provide qualified medical care to a sick child; to study the standards of emergency and emergency medical care for certain diseases, injuries and life-threatening conditions, with a view to their practical application in providing emergency pre-hospital care to sick and injured children. At the end of the courses, students demonstrate the possibility of organizing and conducting rehabilitation activities among children and adolescents, the mechanism of therapeutic and rehabilitative effects of natural therapeutic factors, non-drug therapy, physical therapy and motor regime. Students should be able to identify life-threatening violations of the child and provide medical assistance in case of emergency conditions at the pre-hospital stage; take part in the organization and provision of therapeutic and preventive, sanitary and anti-epidemic, preventive and rehabilitative care for children, taking into account the age and gender structure in the conditions of a children's outpatient center. They have sufficient knowledge of methods for assessing the health status of children of various ages; tactics of providing therapeutic and preventive, sanitary and anti-epidemic and rehabilitation assistance to children and adolescents, taking into account the socio-professional and age-sex structure; standards and algorithms for the implementation of basic medical measures to provide medical care to children in urgent and life-threatening conditions.

**Prerequisites of the discipline:**

- Fundamentals of clinical examinations in internal diseases

**Post-requisites of the discipline:**

- Anesthesiology, intensive care, emergency conditions
- Family medicine
- Forensic medicine with jurisprudence
- Infectious diseases
- General physiotherapy, VC and physical therapy
- Disaster Medicine
- Therapy
- Pediatrics
- Surgery
- Obstetrics and gynecology

**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-6** - Evaluate and analyze achievements and discoveries in biomedical science and apply new knowledge in practice.

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-14** -is capable and ready to make a diagnosis based on the results of biochemical and clinical studies, taking into account the course of pathology in organs, systems and in general;

**PC-15** -is able and ready to analyze the patterns of functioning of individual organs and systems, use knowledge of anatomical and physiological features, basic methods of clinical and laboratory examination and assessment of the functional state of the body of an adult and children, for timely diagnosis of diseases and pathological processes;

**Content of the discipline**

<b>№№</b>	<b>Name of topics</b>
1.	Pediatric section of the children's outpatient center.
2.	The structure and organization of the children's outpatient center. Ethics and deontology of a doctor. Legal provisions
3.	Multilevel system of primary health care for children.
4.	Medical documentation of the children's outpatient center.
5.	A newborn baby and children of the 1st year of life at a pediatric site.
6.	Therapeutic and preventive care for newborns in an outpatient center.
7.	Organization of patronage supervision during the newborn period at the pediatric site. Prevention of hypogalactia. Assessment of "transitional" conditions in newborns. Free meals
8.	Features of care and medical care of newborns and their mothers at early discharge from maternity institutions. Risk groups and health groups

9.	Antenatal prevention. Criteria for the health of newborns and the definition of targeted risk groups.
10.	The index of the burden of genealogical history. Assessment of biological and social history, prediction of pathological conditions that threaten the life of a child
11.	Medical examination and rehabilitation of newborn children at risk at the pediatric site.
12.	Diagnosis, treatment and features of prevention of anemia, rickets and chronic eating disorders in children of the 1st year of life. Laboratory control in the conditions of a children's outpatient center.
13.	Admission of a child at the age of 1 month in an outpatient center for children. Health assessment
14.	Medical monitoring of the health status of children of the 1st year of life.
15.	Prevention of diseases of infancy in the conditions of a children's outpatient center.
16.	Medical examination of young children in a children's outpatient center. Routing of the patient in the detection of pathology.
17.	The work of a district pediatrician in the detection of infectious diseases.
18.	Airborne infections in children.
19.	Intestinal infections in children.
20.	Organization of monitoring of infectious patients at home. Anti-epidemic measures. Working with contact persons
21.	Dispensary supervision of children who have had infectious diseases. The order of registration, the timing of examinations, laboratory control, the duration of observation, indications for deregistration and discharge to the children's collective.
22.	Specific prevention of infectious diseases in children. Methods of vaccination. Post-vaccination reactions and complications
23.	Vaccination office of the children's polyclinic: organization of work. Individual vaccination calendar Vaccination of children with health disorders
24.	The child's readiness for admission to preschool educational institutions. Features of the adaptation period.
25.	School institutions. Screening of the program. Medical support for students in general education and special schools
26.	Medical supervision in preparing children for admission to a preschool educational institution. Medical criteria for a child's readiness to study at school. School maladjustment
27.	Organization of tuberculin diagnostics and specific prevention of infectious diseases in children in organized children's groups
28.	Organization of the work of the ambulance and emergency medical services.
29.	Pediatric cardiopulmonary resuscitation
30.	Organization of the work of the ambulance and emergency medical services. Structural divisions. Regional principle of ambulance provision. Organization of emergency medical care for children at home. The main goals and objectives of the pediatric ambulance and emergency services.
31.	Principles of diagnosis and methods of resuscitation of threatening and terminal conditions at the prehospital stage.
32.	Principles of diagnosis and emergency care for acute respiratory disorders in children. Techniques for opening and sanitation of the respiratory tract.
33.	Therapeutic and preventive work of a pediatrician on the site
34.	Features of the patronage of premature babies on the site. Features of the organization of nutrition, regimen, massage, hardening and vaccinations in premature infants. Features of "transitional" conditions in premature infants, features of the course of diseases and therapeutic tactics, prevention and treatment of background conditions of premature infants
35.	Features of the work of a district pediatrician with adolescents. Sexual development and assessment of puberty. Features of diagnosis and treatment of acute and chronic diseases in adolescents. Preparation for military service. Career guidance.
36.	Providing emergency care to children at the pre-hospital stage

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

#### **Main literature:**

Guide to outpatient pediatrics Albitsky V.Yu. / Ed. Baranova A.A. 2019, M., GEOTAR Media, 2nd ed.

#### **Additional literature:**

1. Diagnosis of diseases by blood and urine tests Tsynko T.F. 2008, Rostov n/A "Phoenix", 8th ed

2. Guidelines on emergency conditions in children Kurek E.V., Kulagin A.E. M., "Medical literature", 2008
3. Pediatrics. Edited by N.P. Shabalov 2010, Special Edition
4. Guidelines for emergency medical care. Ed. Bagnenko S.F., Vertkina A.L. 2007, M., "GEOTAR-Media

**Internet resources:**

http://marc.rsmu. ru  
 http://e.lanbook.com.  
 http://www.studentlibrary.ru  
 http://elcat.chelsma.ru  
 www.medlit.ru  
 http://www.edu.ru  
 http://www.medicina.ru

**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;

\*\*\* $ПК(middle) = \frac{\sum_1^n \times point}{\sum_1^n}$ , 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

;

\*\*\*\*\* $РД = \frac{TK_{ср} + PK_{ср} + ПК_{ср} + ИК}{4}$ , 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