



APPROVED  
EMD decision

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Protocol №

Chairman of the EMD, Vice Rector,  
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## SYLLABUS by discipline

### B.6.3. 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                                | 1                                       |
| The total complexity of the discipline | 30                                      |
| Classroom/practical studies (PS)       |   |
| Student Independent Work (SIW)         | 30                                      |
| 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                            |  |
| Post                                 | teacher                                      |
| Academic degree                      |  |
| Academic title                       |  |
| Email address                        |  |
| Location of the department (address) | KR, Bishkek, st. Shabdan Baatyr 128, floor 2 |
| Telephone                            |  |
| Consultation hours                   | 11.00-13.30                                  |

### Characteristics of the academic discipline

*The purpose of studying* the discipline is to study the basics of the organization of outpatient care for children; modern organizational forms of work and diagnostic capabilities of the children's outpatient center of the maternity and childhood protection system; the formation of students' ideas about the goals and objectives of the work of a district pediatrician, a doctor of the department of medical prevention (preschool-school department), a doctor on duty in outpatient polyclinic conditions; mastering by students the work of a district pediatrician with healthy and sick children in a children's outpatient center, in the

treatment of children at home; in children's educational institutions, during the medical examination of children and adolescents; the formation of theoretical knowledge and practical skills in providing medical care to children in emergency conditions at the pre-hospital stage. By the end of studying the discipline, 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; to 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. Possess methods of assessing the health status of children of various ages; tactics of providing therapeutic, preventive, sanitary, anti-epidemic and rehabilitation assistance to children and adolescents, taking into account the socio-professional and age-sexual structure; standards and algorithms for the implementation of basic medical measures to provide medical care to children in urgent and life-threatening conditions. Demonstrate skills in providing medical assistance to children in emergency situations; skills in organizing medical evacuation of children of different ages in various emergency situations; provide emergency assistance during the medical evacuation of a sick (injured) child.

#### **Discipline Prerequisites:**

- Fundamentals of clinical examinations in internal diseases
- Fundamentals of clinical examinations in pediatrics
- Anesthesiology, intensive care, emergency conditions
- Family medicine

#### **Postrequisites of the discipline:**

- 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-15** - is to demonstrate the knowledge and skills necessary to promote the improvement of public health at the individual and public level, respecting the needs of various 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-16** - is able and ready to use the algorithm of diagnosis (main, concomitant, complications) taking into account the ICD, perform basic diagnostic measures to identify urgent and life-threatening conditions;

**PC-20** - is capable and ready to conduct physiological pregnancy, delivery.

#### **Content of the discipline**

| <b>№№</b> | <b>Names of the topics</b>   |
|-----------|--|
| 1.        | Section 1. Polyclinic pediatrics   |
| 2.        | Pediatric section of the children's outpatient center.                       |
| 3.        | Newborn baby and children of the 1st year of life at the pediatric site      |
| 4.        | The work of a district pediatrician in the detection of infectious diseases. |
| 5.        | Organized childhood.   |
| 6.        | Section 2. Emergency Pediatrics  |
| 7.        | Cardiopulmonary resuscitation.   |
| 8.        | Section 3. Therapeutic and preventive work of a pediatrician at the site     |
| 9.        | A premature baby at a pediatric site.  |
| 10.       | The work of a pediatrician with teenagers.                                   |
| 11.       | Section 4. Emergency care for children at the pre-hospital stage             |
| 12.       | Emergency care at the pre-hospital stage.                                    |
| 13.       | Section 5. Dispensary supervision of children with chronic diseases          |
| 14.       | Dispensary supervision of children with chronic diseases. Rehabilitation.    |

|     |   |
|-----|---|
| 15. | Section 6. Emergency conditions in pediatrics.                    |
| 16. | Diagnosis and emergency care for children with urgent conditions. |

### List of main and additional literature:

#### Main literature:

Guide to outpatient pediatrics Albitsky V.Yu. / Ed. Baranova A.A. 2019, M., "GEOTAR-Media"

#### Additional literature:

1. Polyclinic and emergency pediatrics Kalmykova A.S. 2013, M., "GEOTAR-Media"
2. Children's diseases: textbook for universities in 2 volumes. Edited by N.P. Shabalov 2012, St. Petersburg, "Peter", 7th ed.
3. Hygiene of children and adolescents Kuchma V.R. 2012, M., "GEOTAR"

#### Internet resources:

<http://www.studentlibrary.ru>  
<http://elcat.chelsma.ru>  
<http://www.knigafund.ru>  
[www.medlit.ru](http://www.medlit.ru)  
<http://marc.rsmu.ru:8020/marcweb2/Default.asp>  
<http://www.edu.ru>  
<http://www.medicina.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

;

\*\*\*\*\*  $PД = \frac{TK_{cp} + PK_{cp} + PK_{cp} + ИК}{4}$ , 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/<br>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