MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION
MINISTRY OF SCIENCE, HIGHER EDUCATION AND INNOVATION OF THE KYRGYZ REPUBLIC

International Public Association of Higher Education Institutions "Kyrgyz-Russian Slavic University named after the First President of the Russian Federation, B.N. Yeltsin"

APPROVED by
Director of the Institute of Clinical Medicine and Biomedical Technologies,
S.S. Akilova 2026 г.

PROFESSIONAL CYCLE
Pediatrics
Course ANNOTATION (Modul)

Assigned to the Department of	**Pediatrics and Pediatric Surgery**
Curriculum	310501_26_1 LD fn.plx Specialty 560001 – General Medicine (for foreign students)
Qualification	**Specialist**
Mode of Study	**Intramural**

Course Hours Scheduling per semester

Semester Academic Year	7 (4.1)		8 (4.2)		Total	
Weeks	17		17			
Type of Training	УП	РП	УП	РП	УП	РП
Lectures	32	32	16	16	48	48
Practicals	64	64	80	80	144	144
Contact Hours During the Theoretical Training Period	0,3	0,3			0,3	0,3
Contact Hours During the Examination Period			0,5	0,5	0,5	0,5
Including Interactive Classes	6	6	6	6	12	12
Total Contact Hours	96	96	96	96	192	192
Contact Hours	96,3	96,3	96,5	96,5	192,8	192,8
Individual work	53,7	53,7	24	24	77,7	77,7
Assessment Hours			29,5	29,5	29,5	29,5
Total	150	150	150	150	300	300

AMENDMENT REGISTRATION SHEET

to the Working Program of the Academic Discipline (Module)

Pediatrics

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Name of the Academic Discipline

№ п/п	Reason for the Amendment	Section / Item	Description of the Amendment
1.			
2.			
3.			
4.			
5.			

1. COURSE OUTLINE OBJECTIVES	
1.1	Obtaining basic knowledge and certain competences in this discipline, using effective technologies for conducting lectures, practical exercises and multi-stage control in the learning process.
1.2	Learn the characteristics of the child's body, the necessary algorithms for diagnosis, treatment, rehabilitation and prevention of childhood illnesses, necessary for the doctor.

2. PLACE OF THE COURSE IN THE EDUCATIONAL PROGRAM	
Cycle (section) MEP:	B1.O.03
2.1	**Students' Preliminary Training Requirements:**
2.1.1	Clinical Pharmacology
2.1.2	Clinical Practice (Assistant Doctor)
2.1.3	Departmental Therapy
2.1.4	Radiology Diagnostics
2.1.5	Pathophysiology, Clinical Pathophysiology
2.1.6	Propaedeutics of Internal Diseases
2.2	**Course Units and Practical Sessions imposing the prior Proficiency**
2.2.1	Hospital Therapy
2.2.2	Pediatrics
2.2.3	Anaesthesiology, resuscitation, intensive care

3. STUDENTS' COMPETENCIES RESULTING FROM THE COURCE UNIT (MODULE)	
GPC-7: Is able and prepared to conduct and interpret patient interviews, physical examinations, and clinical assessments; interpret the results of modern laboratory and instrumental investigations; and complete outpatient and inpatient medical records.	
Knowledge:	
Level 1	-The etiology, pathogenesis, and clinical features of diseases. -The main types and methods of treating patients with various nosological forms. -The main approaches and challenges in managing patients with different diseases.
Skills:	
Level 1	- Explain the meaning of determining the management strategy for patients with various diseases. - Compare different types and methods of treating patients with various nosological forms and develop a treatment plan for diseases. - Highlight the practical value of an individualized management strategy for patients with different nosological forms.
Expertise:	
Level 1	- Skills in presenting and analyzing the etiology and pathogenesis of various clinical diseases for making a diagnosis. - Techniques for searching and comparing different methods of treating patients with various nosological forms. - Possess skills in determining the management strategy for patients with diseases.

UC-8: Is able and prepared to apply diagnostic algorithms to identify diseases, emergency conditions, and life-threatening conditions based on the results of clinical, laboratory, and instrumental examinations of organs, organ systems, and the body as a whole, in order to establish diagnoses (primary, concomitant, and complications) in accordance with the International Classification of Diseases (ICD).	
Knowledge:	
Level 1	- The etiology, pathogenesis, and clinical features of major diseases with various nosological forms. - The main types and methods of treating patients with different nosological forms. - Methods for managing and treating patients with various nosological forms in outpatient settings and day hospital conditions.

Skills:	
Level 1	- Accurately determine the given disease. - Compare different types and methods of treating patients with various nosological forms and develop a treatment plan for diseases. - Manage and treat patients in outpatient settings and day hospital conditions.
Expertise:	
Level 1	- Skills in analyzing different types of treatment for patients with various nosological forms. - Techniques for searching and comparing different methods of treating patients with various nosological forms. - Skills in managing and treating patients with various diseases in outpatient settings and day hospital conditions.

PC-9: Is able and prepared to perform basic therapeutic interventions for acute diseases, conditions, and exacerbations of chronic diseases that do not pose a threat to the adult patient's life and do not require emergency medical care in outpatient and inpatient settings.	
Knowledge:	
Level 1	- Clinical manifestations of acute and chronic diseases. - Methods of treatment and performing medical procedures for pathological conditions and diseases. - General principles of treatment. - Diseases considering their etiology and pathogenesis. - Knowledge of pharmacological groups and their interactions with each other.
Skills:	
Level 1	- Correlate symptoms, examination findings, and results of laboratory and instrumental investigations into a coherent picture and make an accurate diagnosis. - Prepare the patient, instruments, and medications for performing the necessary procedure. - Assess the stage of the disease and prescribe therapy appropriate to the disease stage.
Expertise:	
Level 1	- Skills in identifying signs of acute disease or exacerbation of a chronic disease. - Skills and methods for providing medical care for acute and chronic diseases. - Skills in etiological and pathogenetic therapy when treating diseases, depending on the severity of the condition, in outpatient settings.

Upon completion of the discipline, the student shall:

3.1	**Knowledge:**
3.1.1	1. Periods of childhood, functional and morphological characteristics of children of different ages, patterns of growth and
3.1.2	development of the child, age-specific norms of physical and neuropsychic development, the role of hereditary, and endo-
3.1.3	and exogenous factors in the formation of health or illness of children. Features of metabolic processes and immunological
3.1.4	protection in childhood, the basics of medical genetic counseling, the benefits of natural feeding, especially the nutrition of
3.1.5	children older than a year
3.1.6	2. The structure of indicators of infant mortality and the possibility of it’s reducing
3.1.7	3. Etiology, pathogenesis, clinical manifestations, diagnosis, treatment and prevention of major diseases of the neonatal
3.1.8	period and children of early age

3.1.9	4. Etiology, pathogenesis, features of the course, diagnosis and treatment of diseases in early childhood
3.1.10	5. Principles of organization of children's medical and preventive institutions and sanitary and anti-epidemic regime in them
3.1.11	and in maternity hospitals
3.1.12	6. Fundamentals of the organization of outpatient care to children and adolescents, modern organizational forms of work and
3.1.13	diagnostic capabilities of the polyclinic service
3.1.14	7. Features of the organization and the main areas of work of the district pediatrician and general practitioner. Principles of
3.1.15	dispensary observation of children and the way of education of a healthy, harmoniously developed child
3.2	**Skills:**
3.2.1	- Analyze and evaluate the organization and quality of medical care, the state of health of the child population, the impact on
3.2.2	it of lifestyle factors, the environment, biological impacts
3.2.3	- Collect and evaluate anamnesis of a child's life and illness
3.2.4	- Collect genealogical anamnesis, to determine hereditary predisposition
3.2.5	- Conduct a child's examination and evaluate the findings in accordance with the age standard, send for a laboratory and
3.2.6	instrumental examination, for consultation with specialists
3.2.7	- Evaluate the data of clinical analysis of urine, blood, the basic biochemical and immunological indicators of blood in the
3.2.8	age aspect. Estimate X-ray and instrumental data
3.2.9	- Carry out a differential diagnosis. To substantiate and put a clinical diagnosis, formulating it in accordance with the
3.2.10	generally accepted classification
3.2.11	- Develop a treatment plan for a sick child, taking into account the course of the disease, select and prescribe drug therapy,
3.2.12	use methods of non-drug treatment, conduct rehabilitation activities
3.2.13	- Provide emergency help in conditions: hyperthermal syndrome, bronchoobstructive syndrome, convulsive syndrome, croup
3.2.14	syndrome, infectious-toxic shock, loss of consciousness, bleeding, dehydration syndrome, acute allergic reactions
3.2.15	- Assign rational feeding to the child of the first year of life and nutrition for a child older than a year
3.2.16	- To carry out: confidential psychological contact with the child and his parents, the principles of medical ethics and
3.2.17	deontology, integrated management of childhood illnesses (IMCI) at pre - and hospital stages
3.3	**Expertise:**
3.3.1	- Methods of conducting medical accounting and reporting documentation in children's units of health care institutions of the
3.3.2	health system
3.3.3	- Assessments of the health status of children of different age, sex and social groups
3.3.4	- Methods of general clinical examination of children; interpretation of the results of laboratory, instrumental diagnostic
3.3.5	methods in patients
3.3.6	- Algorithm for setting a preliminary diagnosis for patients with subsequent referral to an additional examination and to
3.3.7	specialist doctors; the algorithm for setting a detailed clinical diagnosis
3.3.8	- Algorithm of the main medical, diagnostic and therapeutic measures to provide first medical assistance to children in
3.3.9	emergency and life-threatening conditions. Primary resuscitation in newborns; provision of intensive and urgent care for
3.3.10	children of different age periods; conduction of intubation, catheterization, mechanical ventilation, indirect heart massage;
3.3.11	express-diagnosis of rare syndromes and diseases