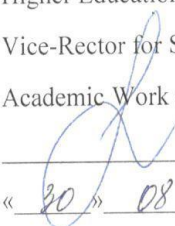


**National Pirogov Memorial Medical University, Vinnytsya**

APPROVE

Higher Educational Institution  
Vice-Rector for Scientific and  
Academic Work and International Links

  
Inna ANDRUSHKO  
« 30 » 08 2024

“ AGREED ”

Head of the Department of propedeutics  
of Pediatric Diseases with Patient Care  
PhD., prof. of HEI

  
Oleksandr KULESHOV  
“ 30 ” 08 2024

**SYLLABUS  
of academic discipline  
"Pediatrics"**

Specialty	221 Dentistry
Educational level	the second (master's) level
Educational programme	EPP «Dentistry»
Academic year	2024-2025
Department	<u>Propedeutics of Pediatric Diseases with Patient Care</u>
Lecturer (if lectures are given)	PhD, Prof. O. KULESHOV
Contact information	<u>child.diseases@gmail.com</u> , вул.Пирогова, 56 (морфологічний корпус)
Syllabus compiler	Docent, L. CHEREPAKHINA

## 1. Status and structure of the discipline

Discipline status	Compulsory
Discipline code in EPP/discipline place in EPP	CC 45//discipline of general training
Course/semester	4rd year(VII semester)
The amount of discipline (the total number of hours /number of credits ECTS)	30hours/1credits ECTS
The structure of the discipline	Lectures-4_____hours Practical classes 16_____hours Independent work 10_____hours
Language of study	English
Form of study	Full-time

### 1. Description of the discipline

#### **Short annotation of the course, relevance.**

While studying the discipline "Pediatrics" students get acquainted with the basic laws of physical and psychomotor development of children of different ages, age anatomical and physiological features of the child's body, master the method of objective examination of the child. The discipline involves the study of semiotics of syndromes of various systems and the most common diseases of the child's body, the principles of rational feeding of healthy young children. The peculiarity of teaching pediatrics is that it is from this subject that the study of pediatrics begins as a science of healthy and sick children, in addition, propaedeutics of pediatrics is a link between the teaching of theoretical and clinical disciplines.

The organization of the educational process is carried out according to the credit-transfer system.

The program of the discipline is structured in two modules, the first includes two content modules, the second - three content modules. The credit transfer system of the educational process encourages students to study systematically during the academic year.

Types of classes according to the curriculum are lectures, practical classes, independent work of students.

The topics of the lecture course reveal the problematic issues of the relevant sections of the subject. Practical classes according to the method of their organization are clinical, because they provide:

- collection of anamnesis of life, illness, etc.;
- compiling a menu for children of the first year of life;
- mastering the methods of examination of the child;
- analysis of clinical situational tasks;
- justification of the preliminary diagnosis;
- drawing up a plan for the examination of the patient and interpretation of the data of

laboratory and auxiliary research methods.

Assimilation of the topic is controlled in practical classes in accordance with specific objectives, assimilation of content modules - in practical final classes. The following tools are used to diagnose the level of preparation of students: tests, solving situational problems, interpretation of laboratory tests, evaluation of their results, analysis and evaluation of instrumental studies and parameters that characterize the functions of the human body, its systems and organs; control of practical skills.

The final control of mastering the module is carried out after its completion. Assessment of student performance in the discipline is rating and is set on a multi-point scale and is determined by the ECTS system and the scale adopted in Ukraine.

### 2. Prerequisites and postrequisites of the discipline

According to the curriculum, the study of the discipline "Pediatrics" is provided in the IV year, when the student has acquired relevant knowledge in basic disciplines: medical biology, medical and biological physics, normal anatomy and human physiology, histology, bioorganic and biological chemistry, and began studying microbiology, virology and immunology, with which the curriculum is integrated. "Pediatrics" as a discipline lays the foundations for students to study pediatrics, tuberculosis, radiology, otorhinolaryngology and other clinical disciplines, which involves the integration of teaching with these disciplines and the formation of skills to apply knowledge of pediatrics in further study and professional activities; lays the foundations of a healthy lifestyle and prevention of dysfunction in the process of life.

**3. The purpose of the course:** laying the foundations for students to study pediatrics and other clinical disciplines, the formation of the ability to apply knowledge of pediatrics in the process of further study and in professional activities; laying the foundations of a healthy lifestyle and prevention of body dysfunction in the process of life, mastering the basic techniques of professional activity on the basis of deep knowledge and understanding of the body of a sick child in compliance with the principles of medical ethics and deontology.

**4. Learning outcomes of the discipline:**

As a result of studying the discipline "Pediatrics" the student must know and be able to:

1. Conduct a clinical examination of various organs and systems in healthy and sick children.
2. Analyze the age characteristics of body functions.
3. To draw a conclusion about the physical and psychomotor development of children of different ages.
4. Identify the etiologic and pathogenetic factors of the most common somatic and infectious diseases of childhood.
5. Analyze the typical clinical picture and the main lesions syndromes. respiratory, cardiovascular, digestive, urinary systems in children.
6. Make a plan of examination and interpret the data of laboratory and instrumental examinations in the typical course of the disease.
7. Demonstrate mastery of the principles of treatment and prevention of the most common diseases of childhood.
8. Provide emergency care in major emergencies and demonstrate mastery of primary neonatal resuscitation skills.
9. Classify and analyze the typical clinical picture of the most common childhood infectious diseases.
10. Carry out a set of anti-epidemic measures in the center of an infectious disease and have the principles of immunoprophylaxis of infectious diseases in children.
11. Demonstrate moral and deontological and subordinate principles of a medical professional.

**5. Content and logistics of the discipline**

Module 1	VII semester 8 hours / 0.27 _____ credits	Lectures № 1. Practical classes №№ 1- 2 Topics for self-study №№ 1-5
Module 2	VII semester 22 hours / 0.73 _____ credits	Lectures № 2 Practical classes №№ 3-8 Topics for self-study №№ 2-3

The course includes 8 topics, which are divided into 2 thematic modules.

### Subjects of practical employment for the students of 4 courses for dental faculties

№	The name of a theme of practical employment	Hours
1	Methods and features of collecting anamnesis of life and disease in children. Physical development of children, its indicators, anthropometry and assessment. Semiotics of disorders of physical development of the child (BEN, obesity). Psychomotor development of the child, criteria for its evaluation.	2,0
2	Features of the skeletal system in children. Terms of eruption of deciduous and permanent teeth. Methods of examination and semiotics of disorders of the skeletal system in childhood. Rickets, spasmophilia: etiology, clinical manifestations, treatment and prevention.	2,0
3	Age features of the cardiovascular system in children. Methods of examination of circulatory system: collection of complaints, anamnesis; examination, palpation, percussion, auscultation. Instrumental methods of CCC research. Emergency care for acute vascular insufficiency.	2,0
4	Features of the digestive system in children at different ages. Methods of examination of the gastrointestinal tract: collection of complaints, medical history; examination, palpation, percussion, auscultation. Functional and instrumental methods of research of the gastrointestinal system. Chronic gastritis and peptic ulcer disease: clinical features, diagnosis, treatment. Relationship between chronic digestive diseases and dental pathology in children.	2,0
5	Anatomical, physiological, functional features of the respiratory system in children of different ages. Methods of respiratory examination: collection of complaints, anamnesis; examination, palpation, percussion, auscultation. Semiotics of respiratory lesions in children.	2,0
6	Features of the hematopoietic system in children.	2,0
7	Hemorrhagic diathesis in children. Classification, main clinical features, treatment of hemorrhagic vasculitis, thrombocytopenic purpura, hemophilia. Emergency care for bleeding.	2,0
8	Measles, mumps and chickenpox in children. Their etiology, epidemiology, clinic, differential diagnosis, treatment, calendar of preventive vaccinations.	2,0
	Classroom work	16
	Independent work	10
	Lectures	4
	Total	30

### Topics of lectures for dental faculties

№	Topics of lectures	Duration	Lector
2	Rickets, spasmophilia. Etiology, classification, clinical manifestations, treatment, prevention	2,0	prof. of HEI O.KULESHOV
5	Infectious diseases in children.	2,0	prof. of HEI O.KULESHOV

### List of topics for independent work of 4th year students for dental faculties

Name of topics	Number of hours
Preparation for practical classes. Theoretical training and development of practical skills	4
Elaboration of topics that are not included in the classroom plan	
Semiotics of respiratory lesions in children (bronchitis, pneumonia).	3
Diphtheria: etiology, epidemiology, classification, treatment, prevention.	3
Total	10

The topics of the lecture course reveal the problematic issues of the relevant sections of pediatrics.

Practical classes provide a theoretical justification of the main issues of the topic and the acquisition of practical skills.

In practical classes, students master objective methods of examinations, formulate conclusions to the studied topic and solve clinically-oriented situational problems and test tasks.

The student's independent work involves preparation for practical classes and development of practical skills, study of topics for independent extracurricular work, preparation of presentations, tables, elaboration of scientific literature and writing reviews of the provided topics for individual work. The control of mastering the topics of independent extracurricular work is carried out in practical classes and final control in the discipline.

Thematic plans of lectures, calendar plans of practical classes, thematic plan of independent extracurricular work, volume and directions of individual work are published on the site of the department.

Route of receiving materials: Department of Propaedeutics of Children's Diseases with Care for Sick Children / Educational and methodical materials of the Department of Propaedeutics of Children's Diseases with Care for Sick Children / for Ukrainian-speaking students / Full-time / Student / Dentistry / 4th year / Pediatrics (children's diseases) / or at the link [https://www.vnmu.edu.ua/Department of Propaedeutics of Children's Diseases with Care for Sick Children](https://www.vnmu.edu.ua/Department%20of%20Propaedeutics%20of%20Children's%20Diseases%20with%20Care%20for%20Sick%20Children). Access to materials is provided from the student's corporate account [s000XXX@vnmu.edu.ua](mailto:s000XXX@vnmu.edu.ua).

## 5. Forms and methods of monitoring learning success

Current control in practical classes	Methods: oral or written survey, testing, electronic survey, solving situational problems, examination of the patient and interpretation of laboratory tests, their interpretation and evaluation of their results
Final control of the discipline-subject credit	Methods: oral examination (according to the provisions on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya (link <a href="https://www.vnmu.edu.ua/General">https://www.vnmu.edu.ua/General</a> information))
Tools for diagnosing learning success	Theoretical questions, tests, clinically-oriented situational tasks, practical tasks, demonstration of practical skills

## 6. Evaluation criteria

Assessment of knowledge is carried out according to the Regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya (link <https://www.vnmu.edu.ua/General> information)

Continuous assessment	On a four-point system of traditional assessments: 5 «excellent», 4 «good», 3 «satisfactory», 2 «unsatisfactory»
Midpoint separation assessment	On a four-point system of traditional assessments
Control of practical skills	According to the four-point system of traditional assessments

Pass-failexam	On a 200-point scale (the arithmetic average grade for the semester is converted into points)  Credited: 120 to 200 points  Not credited: less than 120 points (See Grading Scale)
Final control of the discipline	<i>Sum of points for pre-examination testing (12-20 points) and oral questioning (38-60 points) (for disciplines included in Step 1, 2)</i>  Exam grade:  71-80 points - "excellent"  61-70 points - "good"  50-60 points - "satisfactory"  Less than 50 points - "unsatisfactory" / did not pass
Discipline assessments:	Current academic assessment - from 72 to 120 points (conversion of the average traditional assessment of practical class on a 120-point scale): 60% of the grade for the discipline  Final control - from 50 to 80 points: 40% of the grade for the discipline  Individual work - from 1 to 12 points  122 to 200 points in total.

Scoring for the discipline is carried out in accordance with the current regulations on the organization of the educational process in VNMU. MI Pirogov by converting the arithmetic mean of the current success of the student on a universal 200-point scale. Individual points are added to the accrued points for current success (provided that they are credited on the basis of successful completion of individual tasks).

The maximum number of points that can be obtained by the student after mastering the discipline - 200 points. The minimum number of points is 122 points. )

The results of the student's test are recorded in the statement of performance with the specified number of points and marked "passed" or "not passed". The discipline is not credited to the student if the number of points obtained is less than 122, or the study of the discipline is performed incompletely, as evidenced by the academic debt.

#### Assessment scale: national and ECTS

The sum of points for all types of educational activities	ECTS assessment	Score on a national scale	
		For exam, course project (work), practice	For offset
180-200	A	Perfectly	
170-179,99	B	Good	

<b>160-169,99</b>	<b>C</b>		Credited
<b>141-159,99</b>	<b>D</b>	Satisfactorily	
<b>122-140,99</b>	<b>E</b>		
<b>60-110</b>	<b>FX</b>	Unsatisfactory with the possibility of reassembly	Not credited with the possibility of re-assembly
<b>1-59</b>	<b>F</b>	Unsatisfactory with mandatory re-study of the discipline	Not credited with compulsory re-study of the discipline

## 7. Policy of discipline/ course

The student has the right to receive high-quality educational services, access to contemporary scientific and educational information, qualified advisory assistance during the study of discipline and mastering practical skills. The policy of the department during the providing of educational services is a student-centered, based on normative documents of the Ministry of Education and the Ministry of Health of Ukraine, the Statute of the University and the Procedure for the Providing of Educational Services regulated by the main principles of the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya and the principles of academic integrity (link <https://www.vnmu.edu.ua/General> information).

Requirements for preparation for practical classes. The student must be prepared for a practical lesson.

You should come to class on time, without delay. A student who is more than 15 minutes late for class is not allowed to the last and must work it in the prescribed manner. In practical classes, the student must be dressed in a work uniform (medical gown, hat). Students who do not have a work uniform are not allowed to study. The student must follow the rules of safety in practical classes and during the stay in the department.

When discussing theoretical issues, students should demonstrate tolerance, courtesy and respect for their colleagues and the teacher; when performing practical tasks, the workplace should be kept in order and cleaned after the practical work.

Use of mobile phones and other electronic devices. The use of mobile phones and other electronic devices in the classroom is allowed only during electronic testing or surveys.

Academic integrity. During the study of the discipline the student must be guided by the Code of Academic Integrity of National Pirogov Memorial Medical University, Vinnytsya (<https://www.vnmu.edu.ua/general-information/Basic-documents/Code-of-Academic-Integrity>). In case of violation of the norms of academic integrity during the current and final controls, the student receives a grade of "2" and must work it out to his teacher in the prescribed manner within two weeks after receiving an unsatisfactory grade.

Occupancy passes. Missed classes are practiced in the manner prescribed by the Regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya (link <https://www.vnmu.edu.ua/General-information/Basic-documents>) at the time determined by the schedule of works (published on the website of the department <https://www.vnmu.edu.ua/Department-of-Propaedeutics-of-Pediatric-Diseases-with-Care-for-sick-children>) to the next teacher. To complete the missed lesson, the student must take a test and answer questions in writing or orally on the topic of the lesson. The practice of missed lectures is carried out after providing a synopsis of lecture material, or writing an abstract, or preparing your own presentation on the topic of missed lectures.

The procedure for admission to the final control of the discipline is given in the Regulations on the organization of the educational process in National Pirogov Memorial Medical University, Vinnytsya and the principles of academic integrity (link <https://www.vnmu.edu.ua/General> information). Students who have not missed unfinished practical classes and lectures and received an average traditional grade of at least "3" are admitted to the final control.

Additional individual points. Individual points in the discipline the student can get for individual work, the amount of which is published on the website of the department in educational materials of the discipline, the number of points is determined by the results of IRS according to the Regulations on the organization of educational process in National Pirogov Memorial Medical University, Vinnytsya and the principles of academic integrity ( link <https://www.vnmu.edu.ua/General> information).

Conflict resolution. In case of misunderstandings and complaints to the teacher due to the quality of educational services, assessment of knowledge and other conflict situations, the student must first report their claims to the teacher. If the conflict issue is not resolved, the student has the right to submit an appeal to the head of the department according to the Regulations on consideration of appeals of applicants for higher education in National Pirogov Memorial Medical University, Vinnytsya (<https://www.vnmu.edu.ua/> General information / Main documents).

**Politics in terms of distance learning.** The procedure for distance learning is regulated by the Regulations on the introduction of elements of distance learning in National Pirogov Memorial Medical University, Vinnytsya (<https://www.vnmu.edu.ua/General> information / Basic documents). The main training platforms for training are Microsoft Team, Google Meets. The procedure for conducting practical classes and lectures, exercises and consultations during distance learning is published on the website of the department (<https://www.vnmu.edu.ua/department> of Propaedeutics of Children's Diseases with Care for Sick Children / Student or <https://www.vnmu.edu.ua/> Department of Propaedeutics of Children's Diseases with Care for Sick Children / News).

Feedback from the teacher is via messengers (Viber, Telegram, WhatsApp) or e-mail (at the teacher's choice) during business hours

## **8. Training resources.**

Educational and methodological support of the discipline is published on the website of the department. Route for obtaining materials <https://www.vnmu.edu.ua/kafedra> propaedeutics of children's diseases with care for sick children.

### **List of educational and methodical literature**

1. Kapitan TV Propaedeutics of children's diseases with child care. Vinnytsia: Vinnytsian newspaper, 2021. - 868 p.
2. Pediatric physical examination: text book for students of higher educational institutions / O.V. Katilov, D.V. Dmytriiev, K. Yu. Dmytriieva, S. Yu. Makarov – Vinnitsia Nova Knyha, 2018. - 504 p.
3. Fisher Randall G. Moffet's Pediatric Infectious Diseases [Text] : a problem-oriented approach / R.G. Fisher, T.G. Boyce, A. G. Correa. - 5th ed. - Philadelphia [etc.]: Wolters Kluwer, 2019. – X, 784p

### **Information resources:**

1. Website of the department <https://www.vnmu.edu.ua/ru/department/department/55>
2. Library site <http://library.vsmu.edu.ua/>
3. Website of the Ministry of Health of Ukraine <https://moz.gov.ua/>
4. Presentation of lectures, Methodical recommendations for practical classes and IEW, Consultations.

9. **The schedule and distribution of groups by teachers** is published on the website of the department ((<https://www.vnmu.edu.ua/> department of propaedeutics of children's diseases and care of sick children/ To the student).

The syllabus for the discipline "propaedeutics of pediatrics" was discussed and approved at the meeting of the department of propaedeutics of children's diseases and care of sick children (protocol No.

Responsible for the course  (full name) Assoc. HEI Larisa CHEREPAKHINA

Head of the department  (full name) prof. HEI Oleksandr KULESHOV

