

SYLLABUS

INTERNATIONAL EUROPEAN
UNIVERSITY



**SCHOOL OF
MEDICINE**

Propedeutics of Pediatrics


20 21



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Discipline 

 Propedeutics of Pediatrics

Teacher 



Teacher profile 



Consultations

Eye consultations  Second Thursday of the month from 15:00 to 16:00

Online consultations  Second Friday of the month from 15:00 to 16:00

Contact Phone 



E-mail 



Discipline page 



Summary control form	Final test	Diff test	Exam
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1 Short abstract of the discipline

The program of academic discipline is compiled in accordance with educational and qualification characteristics (OKH) and educational and professional programs (OPP) training of specialists, approved by the Resolution of the Cabinet of Ministers of Ukraine of 29.04.15 on No. 266 direction of training "On approval of the list of fields of knowledge and specialties in which the training of students of higher education is carried out"

2 Prerequisite for studying the discipline

It is based on the basic provisions and knowledge of anatomy, histology, medical and biological physics, bioorganic, bioorganic and biological chemistry, biology (general, molecular and medical), normal physiology, microbiology, integrates with these disciplines, as well as pathomorphology and pharmacology.

3 The purpose and objectives of the discipline

The purpose of studying the propedeutics of pediatrics are the ultimate goals, which are established on the basis of an educational and vocational training program for a specialist doctor in accordance with the requirements of those systemic knowledge and skills that a specialist doctor must master according to educational qualification characteristics and educational and professional training programs, and is the basis for building the content of the discipline. objectives for each section or content section formulated specific goals in the form of certain skills (actions), target tasks that ensure the achievement of the ultimate goal of studying the discipline.

4 Learning Outcomes

As a result of studying the discipline, the student should be able to:

- To conclude about the physical and psychomotor development of children of all ages;
- Conduct clinical examination and instrumental of various organs and systems in healthy and sick children;
- Analyze the age characteristics of the body;
- Interpret the state of the child's body systems;
- Calculate and make a daily diet for young children;
- Adjust the diet of children older than one year.

In accordance with the requirements of the standard, discipline ensures the acquisition of students

5 ECTS Loans

6 credits / 180 academic hours

6 Structure of discipline

Theme	A few hours			
	Lecture	Practice sessions	SRS	Individual work

Table of Contents Section 1. Periods of childhood.



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6 Structure of discipline

Theme	A few hours			
	Lecture	Practice sessions	SRS	Individual work
1. Periods of childhood, their characteristics and features. Features of the method of examination of a sick and healthy child. Scheme of pediatric history of the disease. Features of the collection of history in Children.	2	2	2	Preparation of presentation of interesting clinical cases; participation in the work of student groups and performances at scientific forums; participation in the student olympiad in academic discipline; writing theses, articles; Selection of video and audio materials from the sections of the course.
2. Newborn baby. Primary toilet and maturity of the reborn. Signs of prematureity, classification of prematures. Assessment of general condition and APGAR scale. Physiological, frontier and pathological conditions newborns.	1	2	2	
3. Features of caring for a newborn. Assessment of the physical development of newborns. Dynamics of development	1	2	4	
Table of Contents Section 2. Physical and psychomotor development of children.				
4. Assessment of children's physical development. Dynamics of height, body weight, change of circumference of the head, chest, proportions, etc. Technique of anthropometric measurements and evaluation of their results. Semiotics of physical disorders Development. Concept of accelerating the development of children.	0,5	2	2	
5. Psychomotor development of children of different age groups. Development of motics, statics, sensory reactions, speech, emotional and social behavior in young children. Semiotics violations psychomotor development of children	0,5	2	2	
Table of contents 3. Nervous system in children.				
6. Anatomological and physiological features, method of clinical neurological examination of children. Methods of clinical neurological examination of children. Investigation of sensitivity, tendon reflexes and traumatic brain nerves. Research of meningeal reflexes and coordination of movements (outside Romberg, finger-nasal prob, heel-knee slab).	1	2	4	



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Structure of discipline

Theme	A few hours			
	Lecture	Practice sessions	SRS	Individual work
7. Semiotics of the main diseases of the nervous system in children (hydrocephaly, meningitis, encephalitis, cerebral palsy, etc.). Features of cerebrospinal fluid in children and semiotics of its changes in pathology (with purulent and serous meningitis, hydrocephaly, etc.)	1	2	4	
Table of Contents Section 4. Skin, subcutaneous base and muscular system in children.				
8. Anatomical and physiological features, method of examination of skin and subcutaneous tissue in children. Semiotics of skin lesions and subcutaneous tissue.	1	2	4	
9. Anatomical and physiological features, method of examination of bone and muscular systems in children. Semiotics of lesions of the bone and muscular systems in Children.	1	2	2	
Table of Contents Section 5. Respiratory system in children.				
10. Anatomical and physiological features, method of examination of respiratory organs in children (complaints, history, examination, palpation, percussion, auscultation). Semiotics of lesions (cough, in some order, etc.) and major respiratory diseases in children	1	2	2	
11. Semiotics of respiratory diseases. Respiratory disorders and respiratory failure syndromes, the main clinical manifestations.	1	2	2	
Table of Contents Section 6. Cardiovascular system in children.				
12. Anatomical and physiological features of the cardiovascular system in children. fetal circulation features. Methods of examination, palpation, percussion and auscultation of the cardiovascular system in children. Semiotics of changes (cyanosis, bradycardia, tachycardia, etc.).	1	2	2	



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Structure of discipline

Theme	A few hours			Individual work
	Lecture	Practice sessions	SRS	
13. Semiotics of congenital and acquired diseases of the heart and blood vessels in children. Electrocardiography, phonocardiography, echocardiography	1	2	2	
Table of Contents Section 7. Blood system and immune system in children.				
14. Features of the blood system in children of different ages. Methods of clinical and laboratory examination of children with damage to the blood system. Clinical and hematological semiotics of the main syndromes (anemic, hemolytic, hemorrhagic, etc.) and diseases of the blood system in children.	1	2	2	
15. Anatomico-physiological personalities, examination technique, semiotics of immune systems. Methods for diagnosing immunodeficiency in children.	1	2	2	
Table of Contents Section 8. Digestive system in children				
16. Anatomical and physiological features, methods of examination of the digestive system in children. Main diseases of the digestive system in young children (pylorospasm, pylorostenosis, dyspeptic syndrome, malabsorption syndrome, etc.)	1	2	2	
17. Semiotics and diagnosis of digestive diseases in older children (gastritis, ulcer disease, cholecystitis, biliary tract discinesia, etc.). Main syndromes (abdominal, hepatobiliary, intestinal, pain syndrome, jaundice syndrome, cholestasis, etc.).	1	2	2	
Table of Contents Section 9. Urinary system in children.				
18. Anatomical and physiological features of the urinary system in children. Methods of examination of the urinary system in children. Semiotics of microscopic changes in urinary sediment (protein-, red blood cells-, leukocyte- and wholendria, etc.). Acute and chronic renal failure syndrome	2	2	2	



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Structure of discipline

Theme	A few hours			Individual work
	Lecture	Practice sessions	SRS	
Table of Contents Section 10. Endocrine system in children.				
19. Anatomological and physiological features, method of examination of the thyroid and parathyroid glands, epiphysis, pituitary gland and adrenal glands in children. Semiotics of diseases. Methods of examination of the pancreas in children. Semiotics diseases and syndromes. Commas.	2	2	2	
Table of Contents Section 11. Curation of a sick child.				
20. Curation of a sick child. Writing the medical history of a sick child.		4	14	
21. Protection of medical history.		2		
Table of Contents Section 12. Natural feeding of infants.				
22. Natural feedingneed speech. Lactation, components of mother's milk, its advantages. The need for children in food ingredients (proteins, fats, carbohydrates). Methods calculation of daily volume of food and diet	0.5	2	2	
23. Feeding (fattening) and nutrition correction with natural feeding. Daily need of the child in food ingredients and energy Technique and feeding rules. Preparation of a "food leaf" for children of the first year of life. Rules of breastfeeding premature babies Children.	0.5	2	2	
Table of Contents Section 13. Artificial feeding of infants.				
24. Artificial feeding of infants. Classification and characteristics of milk mixtures for artificial feeding of infants. The child's need for proteins, carbohydrate fats and calories during mixed feeding. Feeding and nutritional correction	0.5	2	2	
25. Artificial feeding technique. Assembly of the "food sheet". Feeding and nutrition correction with artificial feeding. The daily need of the child in proteins, fats, carbohydrates and calories during artificial feeding	0.5	2	2	



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6 Structure of discipline

Theme	A few hours			
	Lecture	Practice sessions	SRS	Individual work
Table of Contents Section 14. Mixed feeding of babies.				
26. Mixed feeding. Technique and rules of fattening. The need for a child in proteins, carbohydrate fats and calories with mixed feeding. Milk mixtures that are used for feeding. Mixed breastfeeding schemes for children in the first year of life. Feeding and nutritional correction. The daily need of the child in proteins, fats, weights. and calories with mixed feeding. Preparation of the "food leaf" for children of the first year of life with different types of feeding (natural, artificial, mixed).	0,5	3	2	
27. Organization and principles of rational nutrition of healthy children older than one year. Medical nutrition. Practical skills algorithm. Practical skills test		3	16	
28. Final control		4		
Just ECTS credits – 6; total hours - 180	24	64	92	

7 Signs of discipline

Term of teaching	Semester	International disciplinary integration	Course of the year (training)	Cycles: General Training / Training / Free Choice
1 year	V, VI	yes	3 course	General Training Cycle

8 Rating system and requirements

The current success of students is estimated on a 4-point scale (2; 3; 4; 5) at each practical level, taking into account the approved evaluation criteria for the relevant discipline. The student must receive an assessment on each topic for further conversion of grades into scores on a multi-point (200-point) scale. Evaluation criteria for current academic activities:



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8 Rating system and requirements

Excellent ("5") – the student correctly answered 90-100% of A-format tests (from the "Krok-2" database).
Good ("4") - the student correctly answered 70-89% of tests format A. Has the necessary practical skills and techniques for their implementation to the extent exceeding the required minimum.

Satisfactory ("3") - the student correctly answered 50-69% of tests format A. Has only a mandatory minimum of research methods.

Unsatisfactory ("2") - the student correctly answered 50% of the tests format A. During the response and demonstration of practical skills makes significant, gross mistakes.

Evaluation of students' independent work on preparation for classroom practical classes is carried out during the current control of the topic at the appropriate classroom.

Semester scoring is rated on a two-point scale (enrolled/not counted) and on a 200-point scale by determining the average arithmetically for each practice session on a 4-point scale and its subsequent

9 Conditions of admission to final control

Students who have completed all types of work, tasks provided by the curriculum for a semester in accordance with the academic discipline are admitted to semesterfinal control, visited all classes provided for by the curriculum, wrote and passed the medical history and have an average score for the current academic activity of at least "3" (72points and on a 120-point scale).

<https://ieu.edu.ua/docs/rate-of-study.pdf>

10 Discipline policy

The policy of academic discipline is determined by the requirements that scientificpractical employees present to the applicants in the study of clinical discipline. The condition for a successful educational process is the personal observance of the rules of conduct adopted by each student of a higher educational institution both at the university and in society.

The student must come to class on time, be dressed in an academic medical uniform (white robe or surgical suit). The student must adhere to the schedule of the educational process, come to classes prepared on the topic of the lesson. During the class, the student should not leave the classroom without the permission of the teacher; use during classes mobile phone and other means of communication and obtaining information without the permission of the teacher, engage in third-party activities, distract other students. When writing different types of works, the student must adhere to the rules of academic integrity.

The teacher must adhere to the implementation of the educational and thematic plan, objectively evaluate the knowledge and skills of students. During the educational process, the teacher should remember about anti-corruption measures and not conduct corruption activities.

11 Policy on skipping classes and completing tasks after the deadline

The student, who, for good reasons, confirmed documented, was not subject to the current control of the masses the right to undergo current control within two weeks after returning to study.

A student who was absent from classes without good reason, did not participate in current control measures, did not eliminate academic debt, is not allowed to final semester control of knowledge in this discipline, and on the day of passing the exam in the examination information, the scientific and pedagogical staff is assessed "unacceptable". Re-preparation of a differentiated test in the discipline is appointed subject to the implementation of all types of educational, independent (individual) work provided for by the working curriculum of the discipline and is carried out in accordance with the schedule of liquidation of academic debt approved by the Director.

<https://ieu.edu.ua/docs/050.pdf>



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12 Academic Integrity Policy

Participants of the educational process are guided by the principles of academic integrity
<https://ie.u.edu.ua/docs/011.pdf>

13 Recommended sources of information

Main literature:

1. Propedeutic pediatrics. Textbook for students of higher education. Zakl./Edited by The Academy of Sciences of Ukraine, Prof. V.G. Maidannyk.- Vinnytsia: New Book, 2012.-880 p.
2. Captain T.V. Propedeutics of pediatric diseases with child care. – Vinnytsia-Kyiv, 2003. – 906 p.
3. Propedeutic pediation. A student for students of the university medical students was launched/Pod edits of academics. NAMN of Ukraine, Prof. V.G. Maidannyk.- Vynnytsa: New Book, 2017.-888 p.
4. Nelson textbook 20th Edition by Robert M. Kliegman, MD, Richard E. Behrman, MD, Hal B. Jenson, MD and Bonita F. Stanton, MD.: SAUNDERS

Secondary:

1. Fedortsiv O.E., Kinash M.I. Objectivestructured culling inquiry on propedeutics of pediatrics. - Ternopil: Ukrmedkniga, 2011. – 120 p
2. Algorithm of practical skills in pediatrics / Textbook on ed.. Prof. O.E. Fedortsiv. – Ternopil: Ukrmedknyga, 2006. – 178 p.
3. Propedeutics of pediatric diseases / textbook edited by Prof. O.Hnateika. – Lviv: Liga-press, 2004. – 320 p.
4. Pediatrics/For ed. Prof. Heavy O.V. – Vinnytsia: New Book, 2008. – 1096 p.
5. Maidannyk V.G., Butylina O.V. Clinical diagnostics in pediatrics.- K., Dorado-Drek, 2012.- 286 p.
6. Workshop on propedeutic pediatrics with child care / For ed. V.G. Maidannyk, D. Duki.- K.: Knowledge of Ukraine, 2002.- 356 p.
7. Fisher, Randall G.; Boyce, Thomas G. Moffet's Pediatric Infections Diseases: A Problem Approach, 4 Edition. – 2005.-1054 p.

14 Tips for successful training on the course

If you want to be successful in this discipline, then you must:

1. Be active, persistent, inquisitive, consistent
2. Be tidy and polite
2. Systematically prepare for practical classes
3. Perform tasks for independent work and protect them in the classroom.
3. Attend the class in a medical gown
4. Independently solve tests and tasks, actively work in the classroom.
5. Prepare presentations and crossword puzzles in the discipline. Participate in student scientific conferences and engage in research work in scientific circles of the department.

I wish you perseverance, dedication and motivation to study. . and thensuccess will come to you!
Don't forget your medical gowns!