Syllabus of the discipline "Pediatrics and Neonatology" for 5th year students

1. General information			
Name of the faculty	Medical faculty No.2		
Educational program	22 "Healthcare", 222 "Medicine", second level of higher education (Master's		
	Degree), full-time education		
Academic year	2023/2024		
Name of discipline, code (e-mail	Pediatrics and Neonatology- OK 26.1		
address on the website of Danylo			
Halytsky LNMU)			
Department (name, address,	Department of Pediatrics № 2, 79059, Lviv, Pylypa Orlyka str, 4, phone / fax:		
telephone number,	+38 (032) 2938250; Kaf_pediatrics_2@meduniv.lviv.ua		
e-mail)			
Head of the department (contact e-	MD, Prof. Lesya BESH +38 (032) 2938250 lesya.besh@gmail.com		
mail)			
Studying year	5th		
Semester	9-10		
Type of discipline / module	an obligatory component of the educational and professional training program		
Teachers	Dmytro DOBRYANSKY (MD, Professor),		
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	anna.menshikova.ua@gmail.com		
Erasmus yes\no	No		
The person responsible for the	Olena BORYSIUK, Ph.D., Associate Professor (olenabora@gmail.com)		
syllabus	+380964263907		
Number of credits ECTS	3,5		
Number of hours (lectures/	105 hours: 10 – lectures, 43 - practical classes, 52 - independent work of		
practical classes/ independent work	student		
of students)			
Language of study	English		
Information about consultations	According to the schedule during the academic year		
Address, telephone number and	Lviv Regional Clinical Hospital, Lviv, Yuriy Rufa str. 1 (Chernihivska str.5),		
work regulations of the clinical base	tel:+380322757611		
	Western Ukrainian Specialized Children's Medical Center, Lviv, Dnisterska str.		
	27, tel: +38 032 2702207		

2. Short annotation to the course

General characteristics, brief description of the course, features, benefits.

Studying the discipline "Pediatrics" the 4th year-students consolidate knowledge gained in the classroom at the department of Propaedeutic Pediatrics and the Department of Pediatrics during the production practice at the children's hospital. They are mastering basic skills of collecting anamnesis, conducting the examination, systemizing the symptoms in syndromes, planning examination of a sick child, interpretation of laboratory and instrumental examinations, carrying out a differential diagnosis most common diseases of the neonatal period, the main pathological conditions of the endocrine and hematopoietic system in children, determination of the preliminary clinical diagnosis, determination of therapeutic tactics, treatment with drug dosages administration, emergency medical care, clinical cases solving, working off practical skills on mannequins and near the bed of a sick child, feeling in the medical records.

3. The purpose and objectives of the course

- 1.1. The purpose of teaching the educational discipline "Pediatrics" is as follows: formation of the ability to use knowledge, skills to solve typical problems of the doctor in the children's health field, the use of which is foreseen by defined list of syndromes and symptoms of diseases, emergency conditions, physiological conditions, and diseases requiring special tactics of patient management; laboratory and instrumental examinations, medical manipulations.
- 1.2. The main **task** of studying the discipline "Pediatrics" is that the student should know and be able to do while study the discipline.

As a result of studying the discipline "pediatrics" student *should know:*

- Etiologic factors of the most common childhood diseases;

- Pathogenesis of the most common somatic diseases of childhood;
- Classification of the most common somatic diseases of childhood;
- The main clinical symptoms of the most common somatic diseases of childhood;
- Principles of treatment of the most common childhood diseases.

As a result of studying the discipline "pediatrics" student *should be able to:*

- Take anamnesis;
- Examine the sick child;
- Put a preliminary clinical diagnosis;
- Plan an investigation of a sick child;
- Interpret laboratory and instrumental data;
- Make a differential diagnosis of the most common childhood diseases in their typical course;
- prescribe treatment;

3. Competence and learning outcomes

Competency and learning outcomes, the formation of which is facilitated by discipline (the relationship with the normative content of the training of higher education graduates, formulated in terms of the results of training in the higher education standard).

According to the standard of higher education, discipline provides students with competences:

Integral competence:

The ability to solve complex problems, including those of a research and innovation nature in the field of medicine Ability to continue learning with a high degree of autonomy.

General competences:

General	competences.	
GC1	The ability to abstract thinking, analysis, and synthesis	

- GC2 Ability to learn and master modern knowledge
- GC3 Ability to apply knowledge in practical situations
- GC4 Knowledge and understanding of subject area and understanding of professional activity
- GC5 The ability to adapt and act in a new situation
- GC6 Ability to make a justified decision
- GC7 Ability to work in a team
- GC8 Interpersonal skills interaction
- GC9 Ability to communicate in foreign language
- GC10 Skills in using information and communication technologies
- GC11 Ability to search, process and analyze information from various sources
- GC12 Awareness and perseverance concerning taken tasks and duties
- GC14 The ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights

Professional (Special) competences:

SC1	Ability	to collect med	ical inform	ation about	the patient	and analyz	e clinical data

- SC2 Ability to determine the required list of laboratory and instrumental studies and assess their results
- SC3 The ability to establish preliminary and clinical diagnoses
- SC4 Ability to determine the necessary regime, training, work and recreation for healthy children and for those who are being treated for illnesses
- SC5 Ability to prescribe an appropriate diet in treatment and prevention of diseases
- SC6 Ability to determine the principles and type of treatment and prevention of diseases
- SC7 Ability to diagnose emergency conditions
- SC8 Ability to determine the tactics of emergency medical care
- SC10 The skills of performing medical manipulations
- SC11 Ability to solve medical problems in new or unfamiliar environments in the presence of incomplete or limited information taking into account aspects of social and ethical responsibility
- SC13 Ability to carry out sanitary and preventive measures
- SC16 Ability to keep medical records, including electronic forms
- SC17 The ability to assess the impact of environmental, socio-economic and biological determinants on individual, family and population health
- SC21 Clearly and unambiguously communicate one's own knowledge, conclusions, and arguments about health problems and related issues to professionals and non-specialists, particularly to trainees.
- SC24 Adherence to ethical principles when working with patients
- SC25 Adherence to professional and academic integrity, to be responsible for the reliability of the obtained scientific results

4. Prerequisites of the course

Information on the disciplines, basic knowledge and learning results required for successful study and acquisition of competencies in this discipline is indicated.

- Latin language and Medical terminology
- Medical Biology
- Medical informatics
- Normal and Pathological Anatomy
- Normal and Pathological Physiology
- Histology, Cytology and Embryology
- Biological and bioorganic chemistry
- Microbiology, virology and immunology
- Pharmacology
- Hygiene and Ecology
- Propaedeutic Pediatrics
- Nursing practice
- Radiology
- Pediatrics for 4th-year medical students
- Practice in a children's hospital

5. Program Learning Outcomes (PLO).

Compliance with the learning outcomes and competencies defined by the standard

Learning outcome	PLO code	SC code
Have a thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integration of knowledge. To be responsible for professional development, ability to further professional training with a high level of autonomy.	PLO 1	SC 1-8; SC 10-11; SC-13; SC 16-17; SC 21; SC 24-25
Understanding and knowledge of basic and clinical biomedical sciences, at a level sufficient to solve professional problems in the field of health care	PLO 2	SC 1-8; SC 10-11; SC-13; SC 17; SC 21; SC 25
Identify and identify the leading clinical symptoms and syndromes; according to standard methods, using preliminary data of the patient's anamnesis, data of the patient's examination, knowledge about the person, his organs and systems, to establish a preliminary clinical diagnosis of the disease	PLO 4	SC 16; SC 24
Collect complaints, life history and disease, assess the psychomotor and physical development of the patient, the state of organs and systems of the body, based on the results of laboratory and instrumental studies to assess information about the diagnosis, taking into account the patient's age	PLO 5	SC 1-3; SC 7-8; SC11; SC 16; SC 24
Establish a final clinical diagnosis by making an informed decision and analysis of the obtained subjective and objective data of clinical, additional examination, differential diagnosis, adhering to the relevant ethical and legal norms, under the supervision of a physician-manager in a health care institution	PLO 6	SC 1-3 SC 7-8 SC 11 SC 16 SC 24
Order and analyze additional (mandatory and optional) examination methods (laboratory, functional and / or instrumental) for differential diagnosis of diseases	PLO 7	SC 1-2 SC 16 SC 24
To determine the main clinical syndrome or what causes the severity of patient condition by making an informed decision under various circumstances (at healthcare facility, or outside it), including in conditions of emergency, in the battlefield, in conditions of lack of information and limited time	PLO 8	SC 5-8 SC 10-11 SC 24
To determine the nature and principles of treatment of patients (conservative, operative), taking into account the age of the patient, in a health care facility, outside it and at the stages of medical evacuation, including in the field, on the basis of a preliminary clinical diagnosis, adhering to the relevant ethical and legal norms, by making an informed	PLO 9	SC 1-2 SC 6-8 SC 10

decision on existing algorithms and standard schemes. If necessary to		
expand the standard scheme and justify personalized recommendations		
under the supervision of a physician		
To determine the necessary mode of work, rest and nutrition based on the	PLO 10	SC 4-5
final clinical diagnosis, adhering to the relevant ethical and legal norms, by		SC 24
making an informed decision according to existing algorithms and standard		
schemes		
Assess the general condition of the newborn child by making an informed	PLO 12	SC 1-3
decision according to existing algorithms and standard schemes, adhering		SC 6-8
to the relevant ethical and legal norms.		
Assess and monitor the child's development, provide recommendations for	PLO 13	SC 1
breastfeeding and nutrition depending on age, organize preventive		SC 7-8
vaccinations on the calendar		SC 10-11
Define tactics and provide emergency medical care in emergencies for a	PLO 14	SC 1
limited time in accordance with existing clinical protocols and treatment		SC 7
standards		SC 11
Perform medical manipulations in a medical institution, at home or at work	PLO 17	SC 7
based on a previous clinical diagnosis and / or indicators of the patient's		SC 11
condition by making an informed decision, adhering to the relevant ethical		SC 17
and legal norms		
Plan and implement a system of anti-epidemic and prophylactic measures	PLO 19	SC 14
for the emergence and spread of diseases among the population		
Search for the necessary information in the professional literature and	PLO 21	
databases of other sources, analyze, evaluate and apply this information		
Assess the impact of the environment on human health in order to assess	PLO 23	SC 17
the state of morbidity in the population		
Organize the necessary level of personal safety (own and those being cared	PLO 24	SC 21
for) in the event of typical hazardous situations in the individual's field of		
work		
Clearly and unambiguously communicate knowledge, conclusions and	PLO 25	SC 11
arguments on health issues and related issues to professionals and non-		SC 17
specialists		SC 21
Fluent in the state and English languages, both orally and in writing to	PLO 27	SC 17
discuss professional activities, research and projects		SC 21
6. List of learning result	is	

Learning results	The scope of the learning results	Reference to the code
code	The seepe of the rearming results	of the competence matrix
The code is created when the syllabus is filling (category: Kn -Knowledge, Sk- Skill, C-Competence, AR - Autonomy and Responsibility	Learning outcomes determine what the student must know, understand and be able to perform, after completing the discipline in accordance with the learning objectives. To enroll in the discipline, it is necessary to confirm the achievement of each learning result.	The symbol of the code of the program learning results in the Standard of Higher Education
Kn-1	To have specialized knowledge about the child, her organs and systems,	PLO 1
	the anatomical and physiological peculiarities of the children of different	PLO 2
	age, to know the standard methods of inquiry, taking genealogical	PLO 5-7
	information, preparation of pedigree, physical examination of patient of	PLO 9
	different ages.	PLO 13
Sk- 1	To know the methodology for assessment of prenatal development of the fetus. Know the stages and methods of examination of psychomotor and physical development of the child. To be able to talk to a child-and/or her parents (guardians), on the basis of algorithms and standards. Use the principles of communication with the parents of children with incurable diseases. Using standard techniques. To carry out examination of the patient. Be able to examine psychomotor and physical development of the child.	PLO 14
C-1	Able to assess the quality of care, infant feeding and nutrition of	

	children. Be able to conduct a comprehensive assessment of child health.	
	To effectively form a communication strategy when communicating	
	with the patient and/or his parents (guardians).	
	Transfer information about the health of the child or intrauterine	
	development of the fetus to the relevant medical documentation.	
	Be responsible for qualitative gathering of information received on the	
AR -1	basis of interviews, surveys, review, and palpation, percussion of organs	
	and systems and for timely assessment of the condition: child's health,	
	psychomotor and physical development of the child and Intrauterine	
	development of fetus and for taking appropriate measures.	
Kn- 2	To have specialized knowledge about the child, her organs and systems,	PLO 1
	standard methods of laboratory and instrumental examinations	PLO 2
	To be able to analyze the results of laboratory and instrumental	PLO 5-7
Sk- 2	examinations and to make preliminary diagnosis	PLO 9
	To form and convey to the patient and/or his/her parents (guardians),	
C-2	experts' conclusions on the necessary	
	List of laboratory and instrumental studies Be responsible for	
AR -2	deciding on the results evaluation of laboratory and instrumental	
	examinations	
Kn-3	Algorithms for selection of leading symptoms or syndromes; preliminary	PLO 1-2
	and final clinical diagnoses; methods of laboratory and instrumental	PLO 5-6
	examination; Assessment of the child's condition	
Sk-3	Be able to conduct physical examination of the patient; Be able to make	
	informed decisions about allocation of leading clinical symptom or	
	syndrome	
	Be able to make the preliminary and final clinical diagnosis; to	
	recommend laboratory and instrumental examination of the patient by	
	applying standard methods	
C-3	On the basis of normative documents fill in medical documents	
	(ambulatory and hospital cards, etc.)	
AR-4	On the basis of ethical and legal norms, be responsible for making	
	reasonable decisions and actions on the correct preliminary and final	
	clinical diagnosis	
Kn-4	Algorithms and standard schemes for determining the regime of training,	PLO 1-2
	work and rest of healthy children and at treatment of the disease, on the	PLO 10
	basis of preliminary and clinical diagnosis	
Sk-4	To be able to determine the necessary regime of training, work and rest	
	of healthy children and in the treatment of the disease	
C-4	To form and convey to the patient and/or his parents (guardians) and	
	experts' conclusions on the necessary regime, mode of study, work and	
	rest of healthy children and in the treatment of the disease	
AR-4	Be responsible for the validity of the recommended regime of study,	
	work and rest of healthy children and in the treatment of the disease	
<i>Kn-5</i>	Have specialized knowledge about algorithms and standard	PLO-1-2
	schemes of nutrition for healthy children and during the	PLO 8
	treatment of diseases	PLO 10
Sk-5	Be able to determine the type of nutrition of healthy children and on	
	the basis of preliminary and final diagnoses, the type of nutrition in the	
	treatment of diseases	
C-5	Formulate and communicate to the patient and/or their parents	
	(guardians), conclusions of specialists on the nutrition of healthy	
AR-5	children and in the treatment of diseases	
	Be responsible for the reasonableness of nutritional determinations for	
	healthy children and in the treatment of illness	
Kn-6	Have specialized knowledge of algorithms and standard methods for	PLO 1-2
	disease treatment	PLO 8-9
Sk-6	Able to determine the principles and methods of treatment of disease	
C-6	To form and convey to the patient and/or his/her parents (guardians),	
	experts own conclusions about the principles and methods of the	
	treatment	
AR-6	Be responsible for deciding on the principles and methods of treatment	

	of disease	
Kn-7	To have specialized knowledge about the person, its organs and systems,	PLO 1-2
	standard methods of human examination (at home, on the street, in the	PLO 5-6
	health care institution) in terms of lack of information.	PLO 8-9
Sk-7	To be able, in terms of lack of information, using standard methods, to	PLO 13-14
	make a reasonable decision, to assess the condition of the person and	PLO 17
	determine the main clinical syndrome (or what is due to the severity of	
G. T	the victim/injured)	
C-7	Under any circumstances, on the basis of appropriate ethical and legal	
	norms, make a reasonable decision concerning assessment of the	
	severity of the human condition, diagnosis and organization of necessary	
	medical measures, depending on the human condition; fill in relevant medical documents.	
AR-7	Be responsible for the timely and effective medical measures for the	
AR-/	diagnosis of emergency conditions.	
Kn-8	Know legislative base for emergency medical care, including the law of	PLO 1-2
1111-0	Ukraine "on emergency medical care". To have specialized knowledge	PLO 5-6
	about human emergency conditions; principles of emergency medical	PLO 8-9
	care, algorithms for providing emergency medical care for emergency	PLO 13
	states	
Sk-8		
	To be able to determine emergency conditions; The principles and	
	tactics of emergency medical care; To carry out organizational and	
	diagnostic measures aimed at rescue and save the human life. To be able	
<i>C</i> 0	to provide emergency medical care in the emergency state of a person	
C-8		
	Substantiate and explain to the patient or his legal representative the	
	need for emergency assistance and get consent for medical intervention.	
AD O	Explain the need and procedure for therapeutic measures of emergency	
AR-8	medical care. Be responsible for correct determination of urgent state, degree of its	
	severity and tactics of emergency medical care. Responsible for	
	timeliness of and quality of emergency medical care.	
Kn-9	Knowledge of algorithms of medical manipulations	PLO 1-2
Sk-9	Be able to carry out medical manipulations	PLO 8-9
C-9	Reasonably formulate and communicate to the patient, and/or their	PLO 13
	parents (guardians), specialists the conclusions about the need for	
	medical manipulation	
AR-9	To be responsible for the quality of medical manipulations	
Kn-10	Have specialist knowledge of standard child assessment techniques (at	PLO 1-2
	home, outdoors, in a health care setting) new or unfamiliar	PLO 5-6
Sk-10	environments and in information-poor settings	PLO 8
C-10	Be able to assess the child's condition and identify the main clinical	PLO 13-14
AD 10	syndrome (or the severity of the victim's condition) in an information-	PLO 17
AR-10	poor environment, using standard techniques In all circumstances, respecting appropriate ethical and legal standards	PLO 25
	In all circumstances, respecting appropriate ethical and legal standards, make an informed decision on the assessment of the severity of the	
	child's condition, the diagnosis and the organisation of the necessary	
	medical measures according to the child's condition; complete the	
	relevant medical documents Be responsible for solving medical	
	problems in new or unfamiliar environments in the presence of	
	incomplete or limited information	
Kn - 11	To know the system of hygienic and prophylactic events among the	PLO 1-2
	population observed. To know the principles of organization of follow-	
	up of different groups of population, who are subject to supervision	
	(newborns, children, teenagers) and a group of patients;	
	To know the assessment indicators of the organization and efficiency of	
	follow-up. To know the methodical approaches to assess the condition of	
	the surrounding environment and the presence of factors which affect the	
	health of the population in these conditions. Know principles of rational	
	nutrition, water supply, mode of activity and rest, forming a favorable	
	work environment, primary prevention of diseases and injuries;	

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	Principles and methods of promoting healthy lifestyles Pa oblate form groups of abildren for their clinical examination	
Sk - 11	Be able to form groups of children for their clinical examination. Be able to make a plan for clinical groups. Have skills in organizing the	
SK - 11	follow-up contingents. Have the skills to analyze the health of	
	population groups based on the results of clinical and medical and	
	preventive measures. Have skills in drafting analytical certificate about	
	the health of children depending on factors of industrial and	
	environmental conditions. Able to organize the propaganda of healthy	
	lifestyles, primary prevention of diseases and injuries of the population.	
	Based on the results of clinical examination and analysis of children's	
	health, state of production and environment know the principles of	
C - 11	submitting analytical information to the local management and health	
0 11	authorities; to heads of industrial enterprises about method of	
	elimination the harmful effects	
	on children's health. Use the local press to publications on health	
	improvement activities and environmental improvements, use radio,	
	television, lectures and interviews.	
	Be responsible for timely and qualitative activities on assessment of the	
	health of children, health improvement and improvement of the health of	
AR - 11	certain contingents, improving the environment, promoting healthy	
	lifestyles, primary prevention of diseases and injuries.	
Kn - 12	Know the system of official document circulation in the doctor's work,	PLO 4-7
	including modern computer information technology Be able to	
	determine the source and location of the required information depending	
	on its type;	
Sk - 12	To be able to process information and analyze received information.	
C - 12	To receive the necessary information from the defined sources and form	
	the relevant conclusions based on its analysis.	
AR - 12	Be responsible for the completeness and quality of the analysis of	
	information and conclusions based on its analysis.	
Vn 12	Re able to assess the state of health of the child population, the state of	DI O 1 2
Kn - 13	Be able to assess the state of health of the child population, the state of the environment and negative factors affecting health	PLO 1-2
	the environment and negative factors affecting health	PLO 17
Sk - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments	PLO 17 PLO 23
	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of	PLO 17 PLO 23 PLO 25
Sk - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with	PLO 17 PLO 23
Sk - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants	PLO 17 PLO 23 PLO 25
Sk - 13 C - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with	PLO 17 PLO 23 PLO 25
Sk - 13 C - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child	PLO 17 PLO 23 PLO 25
Sk - 13 C - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental	PLO 17 PLO 23 PLO 25
Sk - 13 C - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants	PLO 17 PLO 23 PLO 25
Sk - 13 C - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child	PLO 17 PLO 23 PLO 25
Sk - 13 C - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health.	PLO 17 PLO 23 PLO 25 PLO 27
Sk - 13 C - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the	PLO 17 PLO 23 PLO 25 PLO 27
Sk - 13 C - 13 AR - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge	PLO 17 PLO 23 PLO 25 PLO 27
Sk - 13 C - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the	PLO 17 PLO 23 PLO 25 PLO 27 PLO 24 PLO 25
Sk - 13 C - 13 AR - 13	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account	PLO 17 PLO 23 PLO 25 PLO 27
Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility	PLO 17 PLO 23 PLO 25 PLO 27 PLO 24 PLO 25
Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility Use foreign languages in professional activities	PLO 17 PLO 23 PLO 25 PLO 27 PLO 24 PLO 25
Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility Use foreign languages in professional activities Be responsible for contributing to professional knowledge and practice	PLO 17 PLO 23 PLO 25 PLO 27 PLO 24 PLO 25
Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility Use foreign languages in professional activities	PLO 17 PLO 23 PLO 25 PLO 27 PLO 24 PLO 25
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Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14 C - 14 AR - 14	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility Use foreign languages in professional activities Be responsible for contributing to professional knowledge and practice	PLO 17 PLO 23 PLO 25 PLO 27 PLO 1-2 PLO 24 PLO 25 PLO 27
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Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14 C - 14 AR - 14	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility Use foreign languages in professional activities Be responsible for contributing to professional knowledge and practice and/or evaluating results To know the basic ethical and deontological principles necessary in	PLO 17 PLO 23 PLO 25 PLO 27 PLO 1-2 PLO 24 PLO 25 PLO 27
Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14 C - 14 AR - 14	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility Use foreign languages in professional activities Be responsible for contributing to professional knowledge and practice and/or evaluating results To know the basic ethical and deontological principles necessary in professional activity. Be able to apply basic ethical considerations (motives) in the	PLO 17 PLO 23 PLO 25 PLO 27 PLO 1-2 PLO 24 PLO 25 PLO 27
Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14 C - 14 AR - 14	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility Use foreign languages in professional activities Be responsible for contributing to professional knowledge and practice and/or evaluating results To know the basic ethical and deontological principles necessary in professional activity. Be able to apply basic ethical considerations (motives) in the performance of professional duties.	PLO 17 PLO 23 PLO 25 PLO 27 PLO 1-2 PLO 24 PLO 25 PLO 27
Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14 C - 14 AR - 14	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility Use foreign languages in professional activities Be responsible for contributing to professional knowledge and practice and/or evaluating results To know the basic ethical and deontological principles necessary in professional activity. Be able to apply basic ethical considerations (motives) in the performance of professional duties. To comply with the requirements of ethics, bioethics and deontology in	PLO 17 PLO 23 PLO 25 PLO 27 PLO 1-2 PLO 24 PLO 25 PLO 27
Sk - 13 C - 13 AR - 13 Kn - 14 Sk - 14 Kn - 15 Sk - 15 C - 15	the environment and negative factors affecting health Ability to solve problems in new and unknown environments Clearly and unambiguously form conclusions about the state of health of the child population, based on data on the relationship with environmental factors, socio-economic and biological determinants Be responsible for timely conclusions on the state of health of the child population based on data on the negative impact of environmental factors, socio-economic and biological determinants To be responsible for assessing the state of health of the child population, the state of the environment and negative factors of influence on health. To think critically about problems in the field and on the border of the fields of knowledge Ability to solve problems in new and unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethnic responsibility Use foreign languages in professional activities Be responsible for contributing to professional knowledge and practice and/or evaluating results To know the basic ethical and deontological principles necessary in professional activity. Be able to apply basic ethical considerations (motives) in the performance of professional duties. To comply with the requirements of ethics, bioethics and deontology in their professional activities.	PLO 17 PLO 23 PLO 25 PLO 27 PLO 1-2 PLO 24 PLO 25 PLO 27

Kn - 16 Sk - 16 C - 16 AR - 16	Know the basic prine Adhere to the princip Use the principles of of foreign languages Be responsible for professional integrity	PLO 1-2		
	6	<u>r</u>	rse	
Type of activity		Number of hours		Number of groups
Lectures (L)		10 43		The second stream of students
Workshops (W) Independent work		52		students
of student (IWS)		32		7-10
	7.	Topics and content of the cou	rse	
Code of trainingtype	Topic	Content	Code of the learning result	Teacher
L-1 (lecture -1)	Preterm and small for gestational age newborns	Definition, etiology, pathogenesis, classifications, clinic, diagnostics, treatment	PLO 1 PLO 2	Prof. Dmytro Dobryansky
L-2	Non-infectious pathology of newborns.	Definition, etiology, pathogenesis, classifications, clinic, diagnostics, differential diagnosis, treatment	PLO 1 PLO 2	Prof. Dmytro Dobryansky
L-3	Infectious diseases of newborns.	Definition, etiology, pathogenesis, classifications, clinic, diagnostics, differential diagnosis, treatment	PLO 1 PLO 2	Prof. Dmytro Dobryansky
L-4	Red blood cells pathology in children.	Definition, etiology, pathogenesis, classifications, clinic, diagnostics, differential diagnosis, treatment	PLO 1 PLO 2	Assoc. Prof. Olga Troyanovska
L-5	The endocrinology disease in children.	Definition, etiology, pathogenesis, classifications, clinic, diagnostics, differential diagnosis, treatment	PLO 1 PLO 2	Assoc. Prof. Olga Troyanovska
W-1	Medical care for healthy newborns. Anatomical and physiological peculiarities of preterm newborns. Features of preterm postnatal transition. Danger of COVID-19 for newborns: management and feeding.	Organization of neonatal medical care in Ukraine. Medical care for a healthy newborn. Bioethical issues in modern neonatology. A full-term newborn baby. Care in the maternity hospital. Hospital discharge criteria. The transitional conditions. Doctor's tactics	PLO 4-10 PLO 12 PLO 13 PLO 14 PLO 17 PLO 19 PLO 23-25	Prof. D. Dobryansky, Assoc. Prof. O. Borysiuk, As. Prof. A. Menshykova
W-2	Main clinical problems of preterm and small newborns. Nutrition for preterm and small newborns.	Criteria in determining prematurity. Adaptation features of preterm infants. Etiological factors of prematurity. Anatomical and physiological peculiarities. Classification of the	PLO 4-10 PLO 12 PLO 13 PLO 14 PLO 17 PLO 19 PLO 23-25	Prof. D.Dobryansky, Assoc. Prof. O. Borysiuk, As. Prof. A. Menshykova

	1	T		
		premature infants according to		
		the birth weight and		
		correlation ofphysical		
		development andgestational		
		age (Ballard score). Principles		
		of preterm infant's nursing.		
		Emergency care for major		
		emergencies in premature		
		infants: hypothermia,		
		respiratoryfailure,		
		hypoglycemia.		
		Intrauterine growth		
		retardation (IUGR): causes,		
		postnatal diagnosis, features		
		of early neonatal adaptation.		
		Peculiarities of nutrition of the		
		premature infants.		
W-3	Birth asphyxia and	Etiology. Pathogenesis.	PLO 4-10	Prof. D.Dobryansky,
	neonatal	Classification. Clinical	PLO 12	Assoc. Prof.
	resuscitation.	manifestations. Diagnosis.	PLO 14	O.Borysiuk,
		Differential diagnosis.	PLO 17	As. Prof. A.
		Treatment. Prevention.	PLO 19	Menshykova
		Prognosis. Neonatal primary	PLO 23-25	1.1011311/113 (4
		resuscitation.	1202323	
W-4	Respiratory	Etiology. Pathogenesis.	PLO 4-10	Prof. D.Dobryansky,
VV -4	disorders in	Classification. Clinical	PLO 12	Assoc. Prof.
	newborns: causes,		PLO 12 PLO 13	
	· ·	manifestations. Diagnosis.		O. Borysiuk,
	diagnosis,	Differential diagnosis.	PLO 14	As. Prof.
	principles of	Treatment. Prevention.	PLO 17	A. Menshykova
	treatment. Lung	Prognosis.	PLO 19	
	diseases in		PLO 23-25	
	newborns.			
W-5	Bacterial infections	Purulent-inflammatory	PLO 4-10	Prof. D.Dobryansky,
	of the newborn.	diseases of the skin and	PLO 12	Assoc.Prof.
	Intrauterine and	subcutaneous tissue, diseases	PLO 13	O. Borysiuk,
	perinatal infections	of the umbilical cord,	PLO 14	As. Prof.
	of the fetus and	umbilical wound and	PLO 17	A. Menshykova
	newborn.	umbilical vessels:	PLO 19	
		classification, etiology,	PLO 23-25	
		pathogenesis, clinical		
		manifestations, diagnosis,		
		differential diagnosis,		
		treatment, prevention,		
		prognosis. Neonatal sepsis:		
		classification, etiology,		
		pathogenesis, clinical		
		manifestations, diagnosis,		
		differential diagnosis,		
		treatment, prevention,		
		prognosis. "TORCH"		
		infections in newborns:		
		etiology, pathogenesis,		
		clinical manifestations,		
		diagnosis, differential		
		diagnosis, treatment,		
		prevention, prognosis.		
W-6	Hemolytic and	Etiology. Pathogenesis.	PLO 4-10	Prof. D.Dobryansky,
	hemorrhagic	Classification. Clinical	PLO 12	Assoc. Prof.
	diseases of	manifestations.	PLO 13	O. Borysiuk,
	newborns.	Diagnosis. Differential	PLO 14	As. Prof.
		diagnosis. Treatment.	PLO 17	A. Menshykova
1			PLO 19	_
1		Prevention. Prognosis.	1 LO 17	

			PLO 23-25	
	Case report	Justification of the medical	PLO 1-2	Prof. D.Dobryansky,
	discussion.	case report written by the	PLO 4-10	Assoc. Prof.
		student. Correcting mistakes	PLO 12	O. Borysiuk,
		during an individual interview	PLO 13	As. Prof.
			PLO 14	A. Menshykova
			PLO 17	
			PLO 25	
W-7	Anemias and	Definition. Etiology.	PLO 4-10	Assoc. Prof.
*** - *	hemorrhagic	Pathogenesis.	PLO 13	O. Troyanovska, Assoc.
	diseases in	Classification. Clinical	PLO 14	Prof.
	children.	manifestations.	PLO 17	O. Borysiuk,
		Diagnosis. Differential	PLO 19	As. Prof.
		diagnosis. Treatment.	PLO 23-25	A. Menshykova
		Emergency care for		
		bleeding and hemorrhagic		
		conditions that require		
		treatment. Prevention.		
		Prognosis.		
W-8	Leukemia in	Etiology. Pathogenesis.	PLO 4-10	Assoc. Prof.
	children.	Classification. Diagnosis.	PLO 13	O. Troyanovska, Assoc.
	Lymphoma in	Differential diagnosis of	PLO 14	Prof.
	children.	other hematological	PLO 17	O. Borysiuk,
		diseases and diseases	PLO 19	As. Prof.
		accompanied by	PLO 23-25	A. Menshykova
		hyperplastic syndrome.		
		Treatment. Prognosis.		
W-9	Diabetes mellitus	Etiology, pathogenesis,	PLO 4-10	Assoc. Prof.
	in children.	classification, clinical	PLO 13	O. Troyanovska, Assoc.
		manifestations, diagnosis,	PLO 14	Prof.
		differential diagnosis,	PLO 17 PLO 19	O. Borysiuk, As. Prof.
		treatment, prevention, prognosis of diabetes in	PLO 19 PLO 23-25	
		children. Insulin therapy.	PLO 23-23	A. Menshykova
		Diabetic ketoacidosis and		
		hypoglycemic coma:		
		etiology, pathogenesis,		
		classification, clinical		
		presentation, diagnosis,		
		differential diagnosis,		
		emergency care and		
		prevention. Prognosis.		
W-10	Diseases of the	Etiology, pathogenesis,	PLO 4-10	Assoc. Prof.
	hypothalamic-	classification, clinical	PLO 13	O. Troyanovska, Assoc.
	pituitary system in	manifestations, diagnosis,	PLO 14	Prof.
	children.	differential diagnosis,	PLO 17	O. Borysiuk,
	Hypopituitarism.	treatment and prevention.	PLO 19	As. Prof.
	Thyroid diseases in	Prognosis of growth	PLO 23-25	A. Menshykova
	children.	abnormalities. Emergency		
		care of thyrotoxicosis and		
		thyroid storm in children.		
XX7 11	Consdal disardans	Etiology pathogony	DI O 4 10	Assoc. Prof.
W-11	Gonadal disorders in children.	Etiology, pathogenesis,	PLO 4-10 PLO 13	
	Diseases of the	classification, clinical	PLO 13 PLO 14	O. Troyanovska, Assoc. Prof.
	adrenal glands.	manifestations, diagnosis,	PLO 14 PLO 17	O. Borysiuk,
	aurenai gianus.	differential diagnosis,	PLO 17 PLO 19	As. Prof.
		treatment and prevention. Prognosis of pathology of the	PLO 23-25	A. Menshykova
		gonads.	1 LO 23-23	11. Iviononykova
		Acute and chronic adrenal		
		glands insufficiency in		
L	L	Statios insufficiency in		

		children. Clinical and diagnostic peculiarities. Differential diagnosis. Addisonian crisis. Congenital adrenal hyperplasia.		
IWS-1	Neonatal birth traumas.	Etiology. Pathogenesis. Classification. Clinical manifestations. Diagnosis. Differential diagnosis. Treatment. Prevention. Prognosis.	PLO 4-10 PLO 13 PLO17 PLO 19 PLO 23-25	Prof. D.Dobryansky, Assoc. Prof. O. Borysiuk, As. Prof. A.Menshykova
IWS-2	Radiographic syndromes of the lung damage in newborns.	The main radiological signs of lung damage in newborns	PLO 4-10 PLO 13 PLO 17 PLO 19 PLO 23-25	Prof. D.Dobryansky, Assoc. Prof. O. Borysiuk, As. Prof. A.Menshykova
IWS-3	Perinatal HIV infection.	Etiology. Pathogenesis. Classification. Clinical manifestations. Diagnosis. Differential diagnosis. Treatment. Prevention. Prognosis.	PLO 4-10 PLO 13 PLO17 PLO 19 PLO 23-25	Prof. D.Dobryansky, Assoc. Prof. O. Borysiuk, As. Prof. A.Menshykova
IWS-4	Leukemic reactions in children. Lymphadenopathy in children.	Etiology. Pathogenesis. Classification. Clinical manifestations. Diagnosis. Differential diagnosis. Treatment. Prevention. Prognosis.	PLO 4-10 PLO 13 PLO17 PLO 19 PLO 23-25	Assoc. Prof. O. Troyanovska, Assoc. Prof. O. Borysiuk, As. Prof. A. Menshykova
IWS-5	Chronic complications of diabetes mellitus in children. Clinical observation of children with diabetes mellitus. Diabetes insipidus.	The most common chronic complications of diabetes.	PLO 4-10 PLO 13 PLO17 PLO 19 PLO 23-25	Assoc. Prof. O. Troyanovska, Assoc. Prof. O. Borysiuk, As. Prof. A. Menshykova
IWS-6	Obesity in children. Growth disorders in children.	Etiology. Pathogenesis. Classification. Clinical manifestations. Diagnosis. Differential diagnosis. Treatment. Prevention. Prognosis.	PLO 4-10; PLO 13; PLO17; PLO 19; PLO 23-25	Assoc. Prof. O. Troyanovska, Assoc. Prof. O. Borysiuk, As. Prof. A. Menshykova
IWS	Preparation for practical classes	In accordance with the allotted time, students independently prepare for workshops. A topic coincides with the topics of workshop (W 1-11).	PLO 1-2 4-10 PLO 13 PLO17 PLO 19 PLO 23-25	Assoc. Prof. O. Troyanovska, Assoc. Prof. O. Borysiuk, As. Prof. A. Menshykova
ISW individual student work	Writing the case report.	Independent writing of the case report, preparation for case report discussion	PLO 1-2 PLO 4-10 PLO 12-14 PLO 17 PLO 21	Prof. D.Dobryansky, Assoc. Prof. O. Borysiuk, As. Prof. A.Menshykova

The following teaching methods are used to develop skills:

verbal/oral (explanation, cases);
visual (observation, illustration, demonstration);

- ✓ practical (near the patient's tub, work in the admission department, departments of functional diagnostics, rehabilitation, manipulation, on simulators, etc.);

explanatory-illustrative or *information-receptive*, which involves the presentation of ready-made information by the teacher and its assimilation by students.

8. Verification of learning results

Current control is carried out during the training sessions and aims to check the assimilation of students' educational material (it is necessary to describe the forms of current control during training sessions). Forms of assessment of current educational activities should be standardized and include control of theoretical and practical training. Practical classes in the course of studying the discipline "Pediatrics" are structured and include comprehensive assessment of all types of learning activities (learning tasks) that students perform during the practical training.

Learning results code	Code of the type of the	Verifying learning outcomes method	Enrollment criteria
couc	classes		
Kn - 1-16 Sk - 1-16 C - 1-16 AR- 1-16 Kn - 1-16 Sk - 1-16	L 1-5	Mastering of lecture material is checked during practical classes in accordance with the topics. Current control is carried out at each practical lesson. The initial stage - answers to at least 10 multi choice questions	Initial stage: 10-9 MCQs = 5 points; by 8-7 MCQs = 4 points; 6-5 MCQs = 3 points; 4 or less MCQs = 0 points.
C - 1-16 AR- 1-16		(MCQs). The main part of the lesson is the practical work of the student at the patient's bedside. The teacher with students are doing ward rounds and examine sick children, collect anamnesis, perform diagnostic procedures etc. The control of the main stage of the lesson is carried out due to the assessment of student's performance of practical skills and the ability to solve typical clinical cases. The teacher discusses and gives explanations, emphasizes the peculiarities of the disease in a particular child, aiming at implementation of the most rational method of examination, and so on. At the final stage of the workshop, to evaluate the student's mastery of the topic, he is asked to answer a situational case. The teacher summarizes the lesson, gives students a task for independent work, indicates the key issues of the next topic and offers a recommended reading list for independent study	Main stage: It is rated with traditional grades of 5, 4, 3, 2. Excellent "5" - correct, clear logical answer to all standardized questions of the current topic; correct performance of practical skills of mastering the methods of examination of the patient; brief interpretation of survey results; differential diagnosis. Good "4" - correctly and essentially answers all standardized questions of the current topic; demonstrates performance/knowledge of practical skills; differential diagnosis. Satisfactory "3" - incompletely, with the help of additional questions, answers all standardized questions of the current topic; cannot independently build a clear, logical answer; makes mistakes when answering and demonstrating practical skills. Unsatisfactory "2" - does not know the material of the current topic, can't formulate a logical answer, does not answer additional questions, does not understand the content of the material; makes significant, gross mistakes when answering and demonstrating
Kn - 1-16 Sk - 1-16 C - 1-16	IWS -1-13	Control of execution of independent work, which is provided for in the topic along with classroom work, is carried out during	practical skills "Passed" or "Failed" at the end of semester
AR- 1-16		the current control of the topic at the corresponding classroom session. Mastering of topics that are assigned only to independent work is controlled during by the final control	

Kn - 1-16 Sk - 1-16 C - 1-16 AR- 1-16	ISW individual student work	ividual at the last lesson of the thematic section		A case report is written and defended without errors - an "excellent" grade; minor errors in writing, which are corrected by the student independently - a "good" grade; significant errors in writing and defense, or inability to justify their opinion - a "satisfactory" grade; the story is written with gross errors, without compliance with the requirements and is not defended - an "unsatisfactory" grade.
		Final control		
General evaluation	n	Participation in the work duri	_	emester / credit
system		on a 200-poin		1 DOTTO 1
Rating scales	t	raditional 4-point scale, multi-point (20)0-point) scale, ECTS rating scale
	.			
Admission to fina		admitted to semester final control:	. 1 . 1 .	
control		performed all types of work, tasks prov		
		with the discipline (in particular, wrote	and hand	ueu in the case report
		classes provided by the curriculum;		
		missed classes; number of points for the current success	a not la	es than the minimum (72 naints)
		b have missed workshops are allowed v		
		ne specified term within the semester.	with the	Dean's permission to work academic
Type of final contro		Methods of final control		Enrollment criteria
Type of final control		memous of final control		In ouncil chiefu
Exam	the exam is	s conducted in writing during the	The	maximum number of points that a
		session, according to the schedule.		nt can score in the exam is 80.
		the exam is standardized and includes		minimum number of points to pass
		eoretical and practical training.		xam is at least 50.
		am lasts about 2 academic hours and		
	is carried out	according to the following		
	regulations:	6		
	_	st control - 40 MCQ's, it is held for		
	_	The maximum number of points is 40		
		er 1 correct answer). The minimum		
		successful passing of the test control		
		of 60% of correct answers.		
		complex clinical cases solving,		
	-	terpretation of laboratory and		
		studies data, determination of		
		clinical diagnosis, determination of		
	_	actics, treatment prescription. The		
		ed out within 60 minutes. The		
		umber of points is 20 for one task. At		
	_	typical clinical cases are supposed to		
		ne case from the topics of the 4th		
		econd - on the topics of the 5th		
	course.			
		f distance learning, the exam is		
		nline and involves solving MCQ's.		
		is offered 40 tests of the first level,		
	with one cor	rect answer and 40 tests of the		
	second level	, the expanded choice of 50% of		
	correct answ	vers of the total number. A total		
			1	
	amount is 80	MCQ's.		
		MCQ's. receives 1 point for a correct answer		

0.25, 0.5, 0.75, or 1 point for one question of the second level MCQ's, if the number of correct answers are 4 or 0.33, 0,67 or 1 point if the number of correct answers are 3.	

9. Course policy

It is based on the full implementation of the curriculum of the course (attending workshops, working academic debts up, performing independent tasks), academic integrity, lack of plagiarism.

The observance of academic integrity by students involves:

- 1. Independent performance of educational tasks, tasks of current and final control of results;
- 2. Links to sources of information in the case of the use of ideas, developments, statements, information;
- 3. Observance of the legislation on copyright and related rights.
- 4. Providing reliable information about the results of their own (scientific, creative) activities, used research methods and sources of information.

10. References

Main sources

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- 2. Nelson textbook of Pediatrics 21st Edition by Robert M. Kliegman, Joseph W. St Geme III, et al. Philadelphia: Elsevier, 2020.
- 3. Marcdante K., Kliegman R.M., Behrman R.E., Jenson H.B. Nelson Essentials of Pediatrics, 8 ed., Saunders, 2018.-832 p.
- 4. Pediatric Secrets / 6th ed. by Polin R.A., Ditmar M.F. / Mosby, 2015.-752 p.

Frank G., Zaoutis L., Catallozzi M., Zaoutis L.B., Shah S.S. The Philadelphia guide: inpatient pediatrics / LWW, 2019.-608 p.

Additional sources

- 1. British committee for standards in haematology (2016). Guidlines on red cell transfusion in sickle cell disease. Part I principles and laboratory aspects. British Journal of Haematology.
- 2. British committee for standards in haematology (2016). Guidlines on red cell transfusion in sickle cell disease. Part II indication for transfusion. British Journal of Haematology.
- 3. Queensland Pediatric Guidelines. Diabetic Ketoacidosis (DKA) and Hyperosmolar Hyperglycaemic State (HHS) Emergency management in children. https://www.childrens.health.qld.gov.au/guideline-dka-emergency-management-in-children/
- 4. Sharma ST, Nieman LK, Feelders RA. Cushing's syndrome: epidemiology and developments in disease management. Clin Epidemiol. 2015;7:281–293.
- 5. Pediatric Adrenal Insufficiency: Diagnosis, Management, and New Therapies. International Journal of Pediatrics 2018(1):1-8.
- 6. Congenital Adrenal Hyperplasia Due to Steroid 21-Hydroxylase Deficiency: An Endocrine Society Clinical Practice Guideline. [2018]

<u>Information resources</u>

https://emedicine.medscape.com/pediatrics_general

https://pubmed.ncbi.nlm.nih.gov/

https://www.who.int/

https://www.aap.org/en-us/Pages/Default.aspx

http://www.generalpediatrics.com/

11. Equipment, logistics and software of the discipline / course

- Working program of the discipline
- Plans of lectures, practical classes and independent work of students
- Guidelines for practical training for students
- Instructions for teachers training
- Guidelines for self-work of students
- Multiple choice questions and clinical cases
- The list of questions submitted to the final control
- Methodological support for final control
- The list of standardized methods for performing practical skills.
- The lectures recordings (or presentation)

12. Additional information

Materials related to the educational and organizational process (thematic plan, schedule of classes, schedules of

	consultations and work up of missed classes) are available on the website of the department:
	Kaf_pediatrics_2@meduniv.lviv.ua
	Educational and methodical materials (topic guidelines) for preparation for practical classes, independent work, self-
	control, abstracts of lectures are available on the MISA platform in the section "Department of Pediatrics №2" on the
	website of LNMU named after Danylo Halytsky: http://misa.meduniv.lviv.ua/ login / index.php
	The working plan of the student scientific group with the lists of student scientific society members are posted at the
	beginning of the academic year on the website of the department.
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	The person responsible for the syllabus Olena BORYSIUK., Ph.D., Associate Professor
	Head of the Department Lesya BESH, MD, Professor
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