

Syllabus of the disciplin MEDICAL PRACTICAL TRAINING IN PEDIATRIC INPATIENT DEPARTMENT	
1. General information	
Name of the faculty	Medical faculty
Educational program (knowledge area, speciality the level of higher education)	22 Health care, 221 Medicine, second level of higher education (Master's), full-time study
Academic year	2023/2024
Discipline	EB 2.10 Medical Practical Training In Pediatric Inpatient Department
Department	Pediatrics № 2, 79059, Lviv, Pylypa Orlyka Str, 4, Tel/Fax:+38(032)2938250; Kaf_pediatrics_2@meduniv.lviv.ua
Head of the Department	Prof. Lesya Besh +38(032)2938250 lesya.besh@gmail.com
Academic year	The 4-th
Semester	8
Academic discipline/module	An indispensable component of the educational professional program
Tutors of the discipline	Matsyura Oxana(PhD, Assoc.Prof +380973059273 omatsyura@gmail.com Troyanovska Olha (PhD, Assoc.Prof , +380973064276 troyanovskao@gmail.com
Erasmus Yes/No	No
Person, responsible for the Sillabus	Assoc.Prof. Borysiuk Olena (olenabora@gmail.com)
Credits ECTS	1,5
Hours (lectures/lessons/individual work of students)	180 (120 – classroom workshop, 60-individual self-work of students)
Language of study	English
Information about consultations	According to the time-table during the academic year
Address, Tel. of the clinical basis	The First Lviv Territorial Medical Union “Saint Nicolas Children Hospital”, Pylypa Orlyka Str., 4, Lviv, tel: +38 032 2931888 “Western Ukrainian Specialized Children's Medical Center” tel: +38 032 2702207
2. Course annotation	

Practical training of students at general medicine departments is an important aspect in the training of physicians and an indispensable component of the educational process. It is held at appropriately equipped bases of the university, as well as in modern medical and preventive health care institutions.

Students master skills of anamnesis compilation, systematization of symptoms to syndromes, planning of an ill child's examination, interpretation of data of laboratory and instrumental investigations, conduction of differential diagnosis of the most common childhood diseases with their typical course, establishment of initial clinical diagnosis, choice of therapeutic tactic, administration of treatment with drug dosages, giving emergency medical aid, solution of situational tasks, working through practical skills at child's bedside, and compilation of medical documents.

According to curriculum, medical practice is conducted during the fourth year of study in VIII semester, when students have acquired appropriate knowledge in basic clinical disciplines. The practical training is conducted with students acting as doctor's assistants in pediatric unit and lasts 4 weeks.

All period of practical training is individual work of students, which is controlled by a teacher from the department and a supervisor of practical training from the base.

3. The aim and tasks of the course

1.1. The purpose of teaching the educational discipline "Medical practical training in pediatric inpatient department" 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 discipline "Medical practical training in pediatric inpatient department" is reinforcement of knowledge and skills, obtained in the study of basic clinical and theoretical disciplines (examination of a patient, establishment of clinical diagnosis, administration of treatment) and further improvement of practical skills, acquaintance with organization of therapeutic work.

As a result of studying the discipline " Medical practical training in pediatric inpatient department" 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 of "pediatrics" the student must be able to:

- Take medical history;
- Examine a sick child and analyze the obtained results
- Point out basic symptoms and group them into syndromes in the most common diseases of childhood;
- Make a preliminary clinical diagnosis and conduct differential diagnosis
- Analyze typical and non-typical course of the most common diseases in children
- Compile an examination plan of a sick child;
- Analyze data of obtained laboratory and instrumental tests
- Determine tactics of treatment, rehabilitation and prophylaxis of the most common childhood diseases;
- Provide emergency aid in urgent conditions in a pediatric clinic;
- Acquire skills of performing medical manipulations in pediatrics;
- Acquire skills of compiling medical documentation in pediatric inpatient unit;
- Master moral and deontological principles in pediatrics.

1.3. Competence and learning outcomes, the formation of which is facilitated by the discipline in accordance with the requirements of the Standard of Higher Education.

The discipline provides students with the acquisition of the following 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:

- 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, Subject) competences:

- PC1 Ability to collect medical information about the patient and analyze clinical data
- PC2 Ability to determine the required list of laboratory and instrumental studies and assess their results
- PC3 The ability to establish preliminary and clinical diagnoses
- PC4 Ability to determine the necessary regime, training, work and recreation for healthy children and for those who are being treated for illnesses
- PC5 Ability to prescribe an appropriate diet in treatment and prevention of diseases
- PC6 Ability to determine the principles and type of treatment and prevention of diseases
- PC7 Ability to diagnose emergency conditions
- PC8 Ability to determine the tactics of emergency medical care
- PC10 The skills of performing medical manipulations
- PC11 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
- PC16 Ability to keep medical records, including electronic forms
- PC21 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.
- PC24 Adherence to ethical principles when working with patients
- PC25 Adherence to professional and academic integrity, to be responsible for the reliability of the obtained scientific results

Competences Matrix

Competences Matrix				
Classification of competences	Knowledge Kn1 Specialized conceptual knowledge acquired in the process of learning and / or professional activity at the level of the latest achievements, which are the basis for original thinking and innovation, in	Skills Sk 1 Solving complex problems and issues that require updating and integrating knowledge, often in conditions of incomplete / insufficient information and conflicting	Communication C1 Clear and unambiguous communication of one's own conclusions, as well as the knowledge and explanations that substantiate them, to specialists and non-specialists, in particular to students C2 Use foreign	Autonomy and responsibility AR1 Decision-making in complex and unpredictable conditions, which requires the application of new approaches and forecasting AR2 Responsibility for the development of professional knowledge and practices, assessment

	particular in the context of research work Kn2 Critical understanding of problems during study and / or professional activities	requirements Sk2 Conducting research and / or innovation activities	languages in professional activities	of strategic team development AR3 Ability to further study, which is largely autonomous and independent	
General competences					
The ability to abstract thinking, analysis, and synthesis (GC1)	Kn1	Sk 1	C1	AR1	
Ability to learn and master modern knowledge (GC2)	Kn1	Sk 3	C2	AR3	
Ability to apply knowledge in practical situations (GC3)	Kn1	Sk 2	C1	AR1	
Knowledge and understanding of subject area and understanding of professional activity (GC4)	Kn2	Sk 2	C2	AR2	
The ability to adapt and act in a new situation (GC5)		Sk 2		AR2	
Ability to make a justified decision (GC6)	Kn1	Sk 3	C1	AR2	
Ability to work in a team (GC7)	Kn2	Sk 3	C1	AR2	
Interpersonal skills interaction (GC8)	Kn1	Sk 3	C1	AR2	
Ability to communicate in foreign language (GC9)			C2		
Skills in using information and communication technologies (GC10)	Kn2	Sk 3	C2	AR3	
Ability to search, process and analyze information from various sources (GC11)	Kn 2	Sk 2	C 2	AR 2	

Awareness and perseverance concerning taken tasks and duties (GC12)	Kn2	Sk 3		AR3	
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 (GC 14)	Kn1	Sk 2	C1	AR3	
<i>Professional (Special) competences</i>					
Ability to collect medical information about the patient and analyze clinical data SC1	Kn 2	Sk 3	C 2	AR 2	
Ability to determine the required list of laboratory and instrumental studies and assess their results SC2	Kn2	Sk 3		AR 1	
The ability to establish preliminary and clinical diagnoses SC3	Kn 2	Sk 3		AR 2	
Ability to determine the necessary regime, training, work and recreation for healthy children and for those who are being treated for illnesses SC4	Kn 2	Sk 2	C1	AR1	
Ability to prescribe an appropriate diet in treatment and prevention of diseases SC5	Kn 2	Sk 1	C 1	AR 1	
Ability to determine the principles and type of treatment and prevention of	Kn 2	Sk 3	C1	AR 1	

diseases SC6					
Ability to diagnose emergency conditions SC7	Kn 2	Sk 3	C 1	AR 2	
Ability to determine the tactics of emergency medical care SC8	Kn 2	Sk 3	C 1	AR 2	
The skills of performing medical manipulations SC10	Kn 1	Sk 3	C 1	AR 1	
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 SC11	Kn 2	Sk 3	C1	AR 2	
Ability to carry out sanitary and preventive measures SC13	Kn2	Sk 2	C 1	AR 2	
Ability to keep medical records, including electronic forms SC16	Kn2	Sk 1	C 1	AR 1	
The ability to assess the impact of environmental, socio-economic and biological determinants on individual, family and population health SC17	Kn 2	Sk 3	C 1	AR1	
Clearly and unambiguously communicate one's own knowledge, conclusions, and arguments about health problems and related issues to professionals and	Kn2	Sk 3	C2	AR2	

non-specialists, particularly to trainees SC21					
Adherence to ethical principles when working with patients SC24	Kn 1	Sk 2	C 1	AR 1	
Adherence to professional and academic integrity, to be responsible for the reliability of the obtained scientific results SC25	Kn 2	Sk 2	C2	AR3	

4. Prerequisites of the course

A student must have an acquired knowledge of basic disciplines:

- Medical Biology
- Biological physics
- The normal anatomy and human physiology
- Pathologic Anatomy and physiology
- Propaedeutic of Pediatrics
- Pharmacology
- Hygiene
- Radiology
- Microbiology

5. Learning outcomes for the course:

- To assess information on the diagnosis at the conditions of health care, its unit, using knowledge of the laws of development and the occurrence of diseases in children, based on the results of examination of the patient and results of laboratory and instrumental investigations.
- To make differential diagnosis of disease.
- Prescribe treatment.
- To determine the prognosis of the disease
- To diagnose emergency condition
- To determine the tactics of emergency medical care.
- To fill in medical documents

5. Program learning results (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; SC 11; 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 decision on existing algorithms and standard schemes. If necessary to expand the standard scheme and justify personalized recommendations under the supervision of a physician	PLO 9	SC 1-2 SC 6-8 SC 10	
To determine the necessary mode of work, rest and nutrition based on the final clinical diagnosis, adhering to the relevant ethical and legal norms, by making an informed decision according to existing algorithms and standard schemes	PLO 10	SC 4-5 SC 24	
Assess and monitor the child's development, provide recommendations for breastfeeding and nutrition depending on age, organize preventive vaccinations on the calendar	PLO 13	SC 1 SC 7-8 SC 10-11	
Define tactics and provide emergency medical care in emergencies for a limited time in accordance with existing clinical protocols and treatment standards	PLO 14	SC 1 SC 7 SC 11	
Perform medical manipulations in a medical institution, at home or at work based on a previous clinical diagnosis and / or indicators of the patient's condition by making an informed decision, adhering to the relevant ethical and legal norms	PLO 17	SC 7 SC 11 SC 17	
Plan and implement a system of anti-epidemic and prophylactic measures for the emergence and spread of diseases among the population	PLO 19	SC 14	
Search for the necessary information in the professional literature and databases of other sources, analyze, evaluate and apply this	PLO 21		

information			
Assess the impact of the environment on human health in order to assess the state of morbidity in the population	PLO 23	SC 17	
Organize the necessary level of personal safety (own and those being cared for) in the event of typical hazardous situations in the individual's field of work	PLO 24	SC 21	
Clearly and unambiguously communicate knowledge, conclusions and arguments on health issues and related issues to professionals and non-specialists	PLO 25	SC 11 SC 17 SC 21	
Fluent in the state and English languages, both orally and in writing to discuss professional activities, research and projects	PLO 27	SC 17 SC 21	

List of learning results

Learning results code	The scope of the learning results	Reference to the code 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 Sk- 1 C-1 AR -1	To have specialized knowledge about the child, her organs and systems, the anatomical and physiological peculiarities of the children of different age, to know the standard methods of inquiry, taking genealogical information, preparation of pedigree, physical examination of patient of different ages. 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. 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	PLO 1 PLO 2 PLO 5-7 PLO 9 PLO 13 PLO 14

	received on the 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.	
<i>Kn-2</i> <i>Sk-2</i> <i>C-2</i> <i>AR-2</i>	To have specialized knowledge about the child, her organs and systems, standard methods of laboratory and instrumental examinations To be able to analyze the results of laboratory and instrumental examinations and to make preliminary diagnosis To form and convey to the patient and/or his/her parents (guardians), experts' conclusions on the necessary List of laboratory and instrumental studies Be responsible for deciding on the results evaluation of laboratory and instrumental examinations	PLO 1 PLO 2 PLO 5-7 PLO 9
<i>Kn-3</i> <i>Sk-3</i> <i>C-3</i> <i>AR-4</i>	Algorithms for selection of leading symptoms or syndromes; preliminary and final clinical diagnoses; methods of laboratory and instrumental examination; Assessment of the child's condition 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 On the basis of normative documents fill in medical documents (ambulatory and hospital cards, etc.) On the basis of ethical and legal norms, be responsible for making reasonable decisions and actions on the correct preliminary and final clinical diagnosis	PLO 1-2 PLO 5-6
<i>Kn-4</i> <i>Sk-4</i> <i>C-4</i> <i>AR-4</i>	Algorithms and standard schemes for determining the regime of training, work and rest of healthy children and at treatment of the disease, on the basis of preliminary and clinical diagnosis To be able to determine the necessary regime of training, work and rest of healthy children and in the treatment of the disease 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 Be responsible for the validity of the recommended regime of study, work and rest of healthy children and in the treatment of the disease	PLO5
<i>Kn-5</i> <i>Sk-5</i>	Have specialized knowledge about algorithms and standard schemes of nutrition for healthy children and during the treatment of diseases Be able to determine the type of nutrition of healthy children and on the basis of preliminary and final diagnoses, the type of	PLO-1-2 PLO 8 PLO 10

<i>C-5</i> <i>AR-5</i>	<p>nutrition in the treatment of diseases</p> <p>Formulate and communicate to the patient and/or their parents (guardians), conclusions of specialists on the nutrition of healthy children and in the treatment of diseases</p> <p>Be responsible for the reasonableness of nutritional determinations for healthy children and in the treatment of illness</p>	
<i>Kn-6</i> <i>Sk-6</i> <i>C-6</i> <i>AR-6</i>	<p>Have specialized knowledge of algorithms and standard methods for disease treatment</p> <p>Able to determine the principles and methods of treatment of disease</p> <p>To form and convey to the patient and/or his/her parents (guardians), experts own conclusions about the principles and methods of the treatment</p> <p>Be responsible for deciding on the principles and methods of treatment of disease</p>	<p>PLO 1-2 PLO 8-9</p>
<i>Kn-7</i> <i>Sk-7</i> <i>C-7</i> <i>AR-7</i>	<p>To have specialized knowledge about the person, its organs and systems, standard methods of human examination (at home, on the street, in the health care institution) in terms of lack of information.</p> <p>To be able, in terms of lack of information, using standard methods, to make a reasonable decision, to assess the condition of the person and determine the main clinical syndrome (or what is due to the severity of the victim/injured)</p> <p>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.</p> <p>Be responsible for the timely and effective medical measures for the diagnosis of emergency conditions.</p>	<p>PLO 1-2 PLO 5-6 PLO 8-9 PLO 13-14 PLO 17</p>
<i>Kn-8</i> <i>Sk-8</i> <i>C-8</i> <i>AR-8</i>	<p>Know legislative base for emergency medical care, including the law of Ukraine "on emergency medical care".</p> <p>To have specialized knowledge about human emergency conditions; principles of emergency medical care, algorithms for providing emergency medical care for emergency states</p> <p>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 to provide emergency medical care in the emergency state of a person</p> <p>Substantiate and explain to the patient or his legal representative the need for emergency assistance and get consent for medical intervention. Explain the need and procedure for therapeutic measures of emergency medical care.</p> <p>Be responsible for correct determination of urgent state,</p>	<p>PLO 1-2 PLO 5-6 PLO 8-9 PLO 13</p>

<i>AR - 11</i>	<p>children's health, state of production and environment know the principles of submitting analytical information to the local management and health authorities; to heads of industrial enterprises about method of elimination the harmful effects</p> <p>on children's health. Use the local press to publications on health improvement activities and environmental improvements, use radio, television, lectures and interviews.</p> <p>Be responsible for timely and qualitative activities on assessment of the health of children, health improvement and improvement of the health of certain contingents, improving the environment, promoting healthy lifestyles, primary prevention of diseases and injuries.</p>	
<i>Kn - 12</i> <i>Sk - 12</i> <i>C - 12</i> <i>AR - 12</i>	<p>Know the system of official document circulation in the doctor's work, including modern computer information technology</p> <p>Be able to determine the source and location of the required information depending on its type;</p> <p>To be able to process information and analyze received information.</p> <p>To receive the necessary information from the defined sources and form the relevant conclusions based on its analysis.</p> <p>Be responsible for the completeness and quality of the analysis of information and conclusions based on its analysis.</p>	PLO 4-7
<i>Kn - 13</i> <i>Sk - 13</i> <i>C - 13</i> <i>AR - 13</i>	<p>Be able to assess the state of health of the child population, the state of the environment and negative factors affecting health</p> <p>Ability to solve problems in new and unknown environments</p> <p>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</p> <p>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</p> <p>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.</p>	PLO 1-2 PLO 17 PLO 23 PLO 25 PLO 27
<i>Kn - 14</i> <i>Sk - 14</i> <i>C - 14</i> <i>AR - 14</i>	<p>To think critically about problems in the field and on the border of the fields of knowledge</p> <p>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</p> <p>Use foreign languages in professional activities</p> <p>Be responsible for contributing to professional knowledge</p>	PLO 1-2 PLO 24 PLO 25 PLO 27

	and practice and/or evaluating results	
<i>Kn - 15</i> <i>Sk - 15</i> <i>C - 15</i> <i>AR - 15</i>	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. Be responsible for compliance with the requirements of ethics, bioethics and deontology in their professional activities.	PLO 4-8 PLO10
<i>Kn - 16</i> <i>Sk - 16</i> <i>C - 16</i> <i>AR - 16</i>	Know the basic principles of academic and professional integrity Adhere to the principles of academic and professional integrity Use the principles of academic and professional integrity and knowledge of foreign languages Be responsible for compliance with the principles of academic and professional integrity	PLO 1-2

6. Characteristic of the course

Type of work	Quantity of hours	Quantity of groups
Practical – full- time	180	2-11 foreign students

7. Topics for the work-shops

№	Theme	Hours	Tutors
1.	Organizational principles of providing medical aid to children in Ukraine, fundamentals of the legislation of Ukraine on children's healthcare. Acquirement of ethics and deontology principles in a doctor's practice in the Admitting Office.	30	Assoc.Prof: Matsyura O., Troyanovska O.
2	Compilation of anamnesis, objective examination of children with somatic pathology (clinical activity in the Pediatric Department) . Analysis of the obtained results of additional examinations (laboratory, instrumental).	15	Assoc.Prof: Matsyura O., Troyanovska O.
3	Substantiation and formulation of a clinical diagnosis of the basic nosological diseases in children. Skills of recording medical documentation in pediatric inpatient department.	15	Assoc.Prof: Matsyura O., Troyanovska O.
4	Practical approach to the modern instrumental investigations in Pediatric Clinic.	30	Assoc.Prof Matsyura O., Troyanovska O.
5	Students activity in the Out-Patient Department.	25	Assoc.Prof: Matsyura O., Troyanovska O.
6	Final test.	5	Assoc.Prof: Matsyura O., Troyanovska O.
	Sum-total	120	

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 outcomes

Current control is carried out daily by the supervisor of the practical training from the medical institution with a corresponding entry in the practice diary according to the specific goals of the topic by determining the level of acquired practical skills. While evaluating the current activity of a student in discipline, the quality criterion is the assimilation of practical skills, abilities, and knowledge provided for by the program: checking the correctness of tasks, determining the level of acquired practical skills - taking a medical history and conducting an objective examination, evaluating the results of basic laboratory and instrumental tests, substantiation of diagnosis and appointments, ability to assist and perform medical manipulations; fill out medical documentation correctly.

Assessment criteria of skills

Excellent (“5”) – A student closely combines theory and practice and demonstrates proper performance of practical skills; easily interprets analysis results; knows methods of a patient’s examination; conducts differential diagnosis; solves situational advanced tasks, can summarize the material.

Good (“4”) – A student demonstrates performance (knowledge) of practical skills; uses theoretical knowledge properly to solve practical tasks; has required practical skills and knows methods of their performance within range above the necessary minimum.

Satisfactory (“3”) – A student answers to standard questions incompletely, additional questions are required; cannot build coherent, logical response; makes mistakes while answering and demonstrating practical skills; knows only minimum of the investigation methods.

Unsatisfactory (“2”) – A student cannot build a logical answer, does not answer additional questions, does not understand the required issue; makes significant mistakes during answer and demonstration of practical skills.

Form of the final control of learning performance

Differentiated credit is a form of final control of the student's mastering of theoretical and practical skills in the discipline during independent work in hospital and practical classes, which is conducted as a control measure. Students, who has fulfilled practical training program, compiled all summary documents (Diary and General digital report of practical skills) and received at least 72 points for current learning activity, are eligible for final control.

The final control of discipline involves demonstrating abilities and practical skills and solving 40 MCQ’s (2 points for a correct answer, duration of writing is 45 minutes). In case of introduction of distance learning, differentiated credit is conducted online on the MISA platform and involves solving test tasks.

The duration of differentiated credit is 2 academic hours (90 minutes).

To pass the final test a student must score at least 50 points.

The maximum number of points that a student can score when completing the differentiated credit is 80.

The minimum number of points is no less than 50.

Credit is given by teachers, who carried out practical classes in the training group. The record is made in the student's academic book as well as credit and examination record list.

Scheme for accrual and distribution of points received by students:

The maximum number of points that a student can score for current academic activity per semester for admission to the exam is 120 points.

The minimum number of points that a student must score for the current academic activity per semester for admission to the exam is 72 points.

The calculation of points is carried out based on the student's marks according to the traditional scale (4-th

point) during the study of the discipline, by calculating the arithmetic mean (AM) rounded up to two decimal places. Resulting value is converted into points according to multipoint scale as follows:

$$X = \frac{CA \times 120}{5}$$

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.

Observance of academic integrity by students:

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

1. Waseem M. Pediatric pneumonia [Internet]. New York (NY): Medscape, LCC; 2020; [updated Jun 05, 2020; cited 2022 May 16]; [39 p]. Available from: <https://emedicine.medscape.com/article/967822-overview>
2. COVID-19: special considerations in children. Bethesda (MD): NIH; 2022; [updated: August 8, 2022; cited August 15, 2022]; Available from:
3. <https://www.covid19treatmentguidelines.nih.gov/management/clinical-management-of-children/special-considerations-in-children/>
4. Chin E. Pediatric reactive airway disease [Internet]. New York (NY): Medscape, LCC; 2021; [updated Jul 16, 2021; cited 2022 May 16]; [39 p]. Available from: <https://emedicine.medscape.com/article/800119-overview>
5. Global strategy for asthma management and prevention [Internet]. Fontana (WI): GINA, 2022; [updated 2022; cited 2022 Aug 17]. Available from: <https://ginasthma.org/gina-reports/>
6. Kamal K. Congenital lung malformations [Internet]. New York (NY): Medscape, LCC; 2020; [updated Dec 23, 2020; cited 2022 Aug 15]; [39 p]. Available from: <https://emedicine.medscape.com/article/905596-overview>
7. Park M, Salamat M. Park's pediatric cardiology for practitioners. 7th ed. Amsterdam: Elsevier; 2020. 690 p.
8. Mikrou P, Shivaram P, Kanaris C. How to interpret the paediatric 12-lead ECG. Archives of Disease in Childhood - Education and Practice 2022;107:279-287.
9. Petty RE, Laxer R, Lindsley C, et al. Textbook of pediatric rheumatology. 8th ed. Amsterdam: Elsevier; 2020. 768 p.
10. Benenson, Irina DNP, FNP-C; Waldron, Frederick A. MD, MPH, FACEP; Porter, Sallie DNP, PhD, RN-BC, CPNP, APN. Pediatric hypertension: A guideline update. The Nurse Practitioner: May 2020 - Volume 45 - Issue 5 - p 16-23 doi: 10.1097/01.NPR.0000660332.31690.68
11. Hyams JS, Di Lorenzo C, Saps M, Shulman RJ, Staiano A, van Tilburg M. Functional disorders: children and adolescents. Gastroenterology. 2016 Feb 15:S0016-5085(16)00181-5. doi: 10.1053/j.gastro.2016.02.015. Epub ahead of print. PMID: 27144632.
12. Textbook of pediatric gastroenterology, hepatology and nutrition. Guandalini S, Dhawan A (eds). Springer Nature Switzerland AG; 2022. 1096 p.
13. Pediatric allergy: principles and practice. 4 ed. Leung D, Akdis C, Bacharier L (eds). Amsterdam: Elsevier; 2020. 440 p.
14. Pediatric nephrology. 8th ed. Emma F, Goldstein SL, Bagga A, et al (eds). New York (NY): Springer; 2022. 2500 p.
15. Wall DA. Lymphoproliferative disorders [Internet]. New York (NY): Medscape, LCC; 2019;

[updated Apr 18, 2019; cited 2022 May 16]; [39 p]. Available from:

<https://emedicine.medscape.com/article/987765-overview>

16. Recommendations for preventive pediatric health care [Internet]. Itasca (IL): AAP; 2022; [updated 2022; cited 2022 May 16]. Available from: https://downloads.aap.org/AAP/PDF/periodicity_schedule.pdf

17. The integrated management of childhood illness [Internet]. Geneva: WHO press; 2006 [cited 2022 May 16]; [43 p]. Available from:

http://apps.who.int/iris/bitstream/handle/10665/43993/9789241597289_eng.pdf

18. Avery and MacDonald's Neonatology: pathophysiology and management of the newborn. 8th ed. Philadelphia: LWW; 2021. 1184 p.

19. Hammer NC, Koch JJ, Hopkins HC. Neonatal Resuscitation: Updated Guidelines from the American Heart Association. Am Fam Physician. 2021 Oct 1;104(4):425-428. PMID: 34652094.

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

- Program of the discipline
- Plans practical classes
- Methodical guidelines of practice
- MCQs for final control

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 work 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.

The person responsible for the syllabus Olena BORYSIUK, Ph.D., Associate Professor _____

Head of the Department Lesya BESH, Doctor of Science, Professor _____

