

**MINISTRY OF HEALTH OF UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY**

Department of Propaedeutics of Pediatrics No.1

2021-2022

**SYLLABUS OF THE EDUCATIONAL COMPONENT
“Patientcare, practice”**

Normative educational component

Form of education full-time training

Field of knowledge 22 “Healthcare”

Specialty 222 “Medicine”

Educational-professional program Medicine

The second master's level of higher education

Course 2-nd

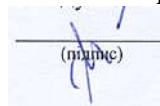
The syllabus of the discipline approved at
the meeting of the department of
Propaedeutics of Pediatrics No.1

Approved at the KhNMU methodical
meeting of pediatric profile

Protocol of
" 27 " august 2021 No. 1

Protocol of
" 30 " august 2021 No. 1

Head of Department



Professor, MD Frolova T.V.
(surname and initials)

Chairman



Professor, MD Gonchar M.O.
(surname and initials)

THE DEVELOPERS OF SYLLABUS:

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Tereshchenkova I.I.- associate professor, MD

Siniaieva I. R.- associate professors, MD

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Consultations. Oral (face-to-face) consultations: according to the schedule of the department on the basis of the department (Regional Clinical Hospital No.17) and by prior arrangement.

On-line consultations: by prior arrangement with the teacher using the email of department: (kaf.3med.propedevtyky1.knmu.edu.ua) or teacher's email, and resources of the system Moodle, Google-meet and ZOOM-meeting.

Link to the page of the department in MOODLE

<http://distance.knmu.edu.ua/course/index.php?categoryid=465>

Location: Practical classes are hold on Moskovsky prospect, 195, at therapeutic building, on 6-th and 7-th floors. Class hours: Monday, Tuesday, Wednesday, Thursday, Friday (9:00-10:40 / 11:10-12:50 according to the timetable. On-line classes are conducted using the resources of the system Moodle, Google-meet and ZOOM-meeting.

INTRODUCTION

The syllabus of the discipline "Patient Care (practice)" is compiled in accordance with the educational-professional program "Medicine" and the Standard of Higher Education of Ukraine, the second (master's) level, Field of knowledge 22 "Healthcare", specialty "Medicine".

Description of the discipline. "Patientcare, practice" is the first clinical discipline, during which the student is acquainted with the work of inpatient medical institutions, the first contact with patients, the formation of the moral and ethical foundations of further professional behavior. The discipline "Patientcare, practice" provides for the study of hygienic, preventive and curative measures, which are within the competence of junior and partially nurses and are used to create comfortable conditions for the stay of the patient, including the sick child, in a medical institution, to promote the earliest possible development of complications, as well as obtaining the simplest manipulations of first aid in emergency situations.

The assimilation of the material is based on consistent acquaintance with the peculiarities of implementation of the specified scope of action in the work of therapeutic, surgical and pediatric departments of hospitals. The discipline program is structured into 3 chapters.

The subject of study of the discipline "Patient Care, practice" is a set of measures aimed on creating favorable conditions for successful treatment of patients, including sick children, alleviating their condition and meeting the basic physiological needs of the body.

Interdisciplinary links:

Pre-requisites in accordance with the curriculum, practice of patient care is provided in the 3-rd semester, when the student has acquired relevant knowledges on basic disciplines: medical biology, medical and biological physics, human anatomy and physiology, bioorganic and biological chemistry, as well as the study of microbiology, virology and immunology, clinical anatomy, with which the program of practice is integrated.

Post-requisites of practice of caring for sick children forms the basis for further study by students of clinical disciplines - Propaedeutics of pediatrics, internal medicine, surgery, medical psychology, infectious diseases, oncology, anesthesiology and intensive care, which involves integration with these disciplines and the formation of skills to apply knowledge of patient care in the process of further education and professional activities.

Link to the discipline page in MOODLE

<http://distance.knmu.edu.ua/course/view.php?id=2782>

1. PURPOSE AND TASKS OF THE COURSE

1.1. The purpose of studying the discipline "Patient Care, practice" for students is to master the basic techniques of professional activity of a junior nurse on the basis of deep knowledges and understanding of the functioning of the sick child, with adherence to the principles of medical ethics and deontology.

1.2. The main tasks of studying the discipline "Patient Care, practice" are:

- mastering the basic theoretical knowledges necessary for the organization of comfortable conditions of the patient's stay in the hospital and providing the necessary care for him at all stages of treatment;
- acquisition of basic practical skills in caring for patients in the hospital and the ability to determine and assess the general condition of the patient, the basic parameters of his life and the rules of ensuring the vital needs of the body;
- formation of students' moral, ethical and deontological qualities in professional communication with the patient.

1.3. Competencies and learning outcomes, the formation of which is facilitated by the discipline (interrelation with the normative content of higher education training, formulated in terms of learning outcomes in the educational-professional program and Standard).

The discipline provides students with competencies: Integral competence: the ability to solve typical and complex specialized tasks and practical problems in health care professional work or in a training process that involves research and/or innovation and is characterized by the complexity and uncertainty of conditions and requirements.

1.3.1. The study of the discipline provides students with the acquisition of competencies:

integral competencies:

the ability to solve typical and complex specialized tasks and practical problems in health care professional work or in a training process that involves research and/or innovation and is characterized by the complexity and uncertainty of conditions and requirements

general competencies:

1. The ability to think abstractly, analyze and synthesize;
2. The ability to learn and obtain modern knowledge;
3. The ability to apply knowledge in practical situations;
4. The knowledge and understanding of the subject area and understanding of professional activity;
5. The ability to adapt and act in a new situation;
6. The ability to make informed decisions;
7. The ability to work in a team;
8. Interpersonal skills;
9. The ability to communicate in English both verbally and in writing;
10. Ability to communicate in a foreign language
11. Skills of using information and communication technologies;
12. The certainty and perseverance in terms of tasks and responsibilities;
13. The ability to act socially responsible and consciously;
14. The desire to preserve the environment;
15. The ability to act on the basis of ethical considerations.

special (professional) competencies:

- skills on interviewing and clinical examination of the patient;
- the ability to determine the required list of laboratory and instrumental studies and evaluate their results;
- to perform medical procedures skills;
- the ability to provide the necessary mode of stay of the patient in hospital at treatment of diseases;
- the ability to carry out sanitary and hygienic and preventive measures;
- skills in emergency medical care;
- the ability to provide appropriate nutrition in the treatment of diseases;
- the ability of making medical records.

1.3.2. The study of the discipline ensures that students acquire the following **program learning outcomes (PLO):**

PLO 1 - acquisition by a person of general and special fundamental and professionally-oriented knowledges, skills, abilities, competencies necessary for the performance of typical professional tasks related to his / her activity in the medical field in the relevant post.

PLO 2 - knowing of psychophysiological features of the person, human health, health support, disease prevention, treatment of the person, health of the population.

PLO 3 - the ability to apply the acquired knowledges, skills and understanding to solve typical problems of the doctor, the scope of which is provided by lists of syndromes and symptoms, diseases, emergencies, laboratory and instrumental studies, medical manipulations.

PLO 4 - collection of information about patient

PLO 5 - evaluation of survey results, physical examination, laboratory and instrumental research data.

PLO 9 - determining the tactics of contingent of persons who need medical supervision or palliative care.

PLO 11 - carrying out sanitary and hygienic and preventive measures.

PLO 17 - maintaining medical records, processing of state, social and medical information.

PLO 19 - the ability to assess the sanitary and hygienic condition of the environment in order to determine the sanitary and hygienic and preventive measures.

PLO 20 - the ability to apply the acquired knowledges of the existing health care system to optimize their own professional activities and participate in solving practical problems.

PLO 21 - the formation of a specialist with appropriate personal qualities, who adheres to the code of ethics of the doctor.

1.3.3. The study of the discipline provides students with the following social skills (Soft skills):

1. The ability to think abstractly
2. Readiness for self-development, self-realization, self-education, use of creative potential.
3. Ability to act in non-standard situations, to bear social and ethical responsibility for the made decisions.
4. Willingness to work in a team, tolerant of social, ethnic, religious and cultural differences.
5. Willingness to solve standard tasks of professional activity with the use of information, bibliographic resources, medical and biological terminologies.
6. Readiness to communicate orally and in writing in English and foreign languages to solve professional problems.
7. Ability and willingness to implement ethical and deontological principles in professional activities.

2. INFORMATION SCOPE OF THE COURSE

Name indicators	Field of knowledge, Specialty, Educational-professional program	Characteristics of the discipline
		full-time education
Number of credits - 1.6	Field of knowledge <u>22 "Healthcare"</u>	Normative
The total hours - 47	Specialty <u>222 "Medicine"</u>	Course
		2-nd
		Semester
		3rd
		Lectures
Hours for day (or evening) form of study: classrooms - 9 independent work - 38	Educational qualification: the second master's level of higher education Educational-professional program "Medicine"	-hours
		Practical
		-9 hours.
		Laboratory
		- hours.
		self-study
		38 год.
		Individual tasks
		Type of final control: Differential credit

2.1 Description of the discipline

2.2.1 Lectures - according to the curriculum are not provided.

2.2.2 Seminars according to the curriculum are not provided.

2.2.3 Practical classes

No.	Topics	Hours	Methods	Form of control
1	The part of care for children in the medical-diagnostic process. The structure and functions of pediatric inpatient and outpatient departments. Peculiarities of deontology in the work of medical specialists with children and their relatives. The main professional duties of the low-grade medical staff at children's outpatient and inpatient departments. The principles of professional subordination in the "pediatrician – nurse – practical nurse" system. Structure and functions of the paediatric inpatient department and polyclinic. Organization of sanitary-hygienic, anti-epidemic and medical-protective regimes, and features of their implementation in children's hospital. Principles of organization of	2	See note 1	Current control. See note 2

	palliative care for children. Features of care and nutrition of children with incurable diseases.			
2	The admission department of the children's hospital. Hospitalization, sanitary cleansing and transportation of ill children. Personal hygiene of the medical staff. Functions of the admission department at pediatric hospitals. Sanitary hygiene regimen of the admission department. Hospitalization, sanitary hygiene cleansing and transportation of ill children. The notions about the medical-protective and sanitary hygiene regimens; peculiarities of their use at children's hospitals. Peculiarities of the sanitary hygiene and antiepidemic regimens in nursing newborns. The notion of personal hygiene of the medical staff. Anthropometrical measurements of children at different ages.	2	See note 1	Current control. See note 2
3	Peculiarities in hygiene and care for newborns and infants. Disinfection and sterilization of childcare items. Care for an ill child and provision for his physiological needs depending upon the age. Peculiarities in care for newborns. Adaptation of newborns. Care for the umbilical cord stump and the umbilical wound. Peculiarities of child hygiene depending upon the sex and age. The care of oral cavity in thrush. The notions about disinfection and sterilization of objects for nursing children.	2	See note 1	Current control. See note 2
4	Hygienic and medicated baths. Use of enemas in children. Care for children in fever. Prevention and treatment of bedsores in children at different ages. Hygienic and medicated baths. Change of underwear and bedlinen, provision for physiological evacuations. Prevention and treatment of bedsores in children at different ages. The main kinds of enemas, used in pediatric practice; techniques and rules of giving them to children at different ages.	2	See note 1	Current control. See note 2
5	Differential credit , including control of practical skills, solution of situation tasks, test control of theoretical training, verification of reporting documentation	1		Final control
	Total hours	9		

Note 1. The following teaching methods are used: narrative -explanation, conversation, discussion, visual (demonstration, illustration, presentation, videos), modeling of processes and situations, sparring partnership, preparation of a message / speech (fixes the problem and ways to solution), team work (collective discussion of the selected problem and search for its solution), practice-oriented learning (practical work, independent work, mastering practical skills)

Note 2. During the teaching of the discipline the following forms of control are used: oral examination (individual and frontal); written survey; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; declamation; poster report, etc.

2.2.4. Laboratory classes - according to the curriculum are not provided.

2.2.5. Self-study

No.	Topics	Hours	Methods	Form of control
1	Preparation for practical classes	12	Narrative-explanation, conversation, illustration, demonstration, presentation, videos, simulation game, simulation of processes and situations	Current control: oral interview (individual and frontal); written survey; test control; individual tasks; abstracts; self-control
2	Elaboration and mastering of practical skills given in the plan of practical training of the student	16	Virtual consultation, use of models, etc.	Final control: oral examination (individual and frontal); written survey; test control; individual tasks; abstracts; self-control
3	Filling in the main reporting documentation: internship diary and final	6	Narrative -explanation, conversation.	Current control and Final control, self-control

	report			
4	Preparation for differentiated credit	4	Narrative-explanation, conversation, illustration, demonstration	Final control: differentiated credit (oral examination (individual and frontal); written examination; test control; individual tasks; abstracts; self-control)
	Total hours	38		

3. EVALUATION CRITERIA

3.1. Evaluation of the success of students' education is carried out on the basis of the current "Instructions for evaluating the educational activities of students of higher education of KhNMU", Protocol of KhNMU No. 181 from 21.08.21.

Assessment of current educational activity (CEA) is carried out by the teacher of the academic group, after students have mastered each topic of the discipline using a traditional 4-point grade scale. CEA is considered fulfilled if the applicant in the current semester has completed all the missed classes, and the average score for all topics is 3 points or higher (calculated automatically within the functionality of the electronic journal in ASU). Subsequently, the average score of the CEA is converted into a 120-point scale ECTS (table 1, appendix 1 to paragraph 2.6 of the Instructions...

Individual tasks of the applicant (ITA) of education are estimated in points (no more than 10) which are added after the termination of studying of discipline or its part, at carrying out "credit", "differentiated credit" or "exam". The total amount of points for CEA and ITA cannot exceed 120 points. ITA is performed by the applicant independently with the receipt of the necessary advice from the researcher. ITA can be performed by several students.

Assessment of the applicant's independent work. The educational material of the discipline, provided for mastering by the student in the process of independent work, is submitted for final control (differentiated credit) together with the educational material studied during the classroom training sessions.

Conducting and evaluating differentiated credit (DC). DC is conducted by the teacher of the group, or another teacher of the department at the last practical lesson. Permission for grading test is determined in points of current educational activity: min - 70, max - 120 points. Conducting DC includes assessment of the acquisition of theoretical knowledges and practical skills, which are presented in graded test (Table 7 of the "Instructions for assessing the educational activities of applicants for higher education at KhNMU"). Directly DC is estimated from 50 to 80 points.

The grade of the discipline is defined as the sum of points for general learning activities, individual tasks and differential credit and is min - 120 to max - 200 and corresponds to the national scale and the ECTS scale (Table 3 "Instructions for assessment...").

3.2 Questions for differentiated credit:

1. Fundamentals of medical deontology in a pediatric hospital.
2. The main functional responsibilities of junior medical staff in outpatient and inpatient departments of pediatric profile.
3. Basic rules of communication with a sick child and his relatives.
4. Requirements for junior medical staff working with newborns.
5. Features of sick children care organization and maintenance of their physiological needs depending on age.
6. Principles of children palliative care organization.
7. Features of care and nutrition of children with incurable diseases.
8. Structure and functions of a pediatric hospital.
9. The concept of features of sanitary-hygienic and anti-epidemic regime in a pediatric hospital.
10. Functions of the admission department in the children's hospital.
11. Hospitalization, sanitation and transportation of sick children.
12. Documentation to be filled in the admission department of the pediatric clinic.
13. Anthropometric investigation of children of different ages and features of their providing.

14. Personal hygiene of children depending on gender and age in the children's hospital.
15. Hygienic and medicated baths.
16. Care for children with fever
17. Prevention and treatment of bedsores in children of different ages.
18. The main types of enemas used in pediatric practice, methods and rules of their use in children of different ages.

3.3. Control questions for independent work:

1. Sanitary and hygienic cleaning of premises
2. Filling in the documentation in the admission department of the hospital
3. Examination of children for scabies and pediculosis
4. Transportation of sick children to the department
5. Conducting anthropometry (height, body weight, head, and chest circumferences)
6. Interrogation of sick children
7. Processing of child care items after use
8. Washing the child depending on gender
9. Filling temperature sheets
10. Care for the eyes, ears, oral cavity and nose in child of the first year of life.
11. Measurement of body temperature.

3.4. Individual tasks (the list approved at the meeting of the department with the determination of the number of points for their performance, which can be added as incentives):

1. duty in the pediatric department with a subsequent report on a practical lesson - 3 points
2. work with literature and other sources of information and preparation of an abstract report with a report on a practical lesson - 3 points
3. preparation of illustrative materials on the subject of practical classes - 5 points
4. conducting interviews and lectures for patients on primary and secondary disease prevention - 5 points

Indicative list of topics for abstracts:

- Features of the use of basic types of drugs in children of different ages
- organization of children's nutrition in the hospital with somatic diseases.
- care and feeding of premature babies
- care for a child with a fever
- care for children with skin diseases (pityriasis, nausea, pustular skin lesions (pyoderma))
- care for children with cardiovascular diseases
- care for children with digestive disorders
- care for children with kidney and urinary tract diseases

3.5. Rules for appealing the assessment in accordance with the general provisions and orders of KhNMU.

4. DISCIPLINE POLICY

Discipline requirements (system of requirements and rules that the teacher imposes on students of higher school in the study of the discipline). To achieve the goals of training and successfully complete the course, it is necessary: to join the work from the first day; attend lectures regularly; read the material in advance, before its consideration in a practical class; not to be late and not to miss classes; come to the department dressed in a medical form, have changeable medical shoes, have a phonendoscope, notebook, pen; perform all necessary tasks and work every day; be able to work with a partner or in a group; ask for help and get it when you need it. Written tasks and homework must be completed in full volume and on time.

Academic mobility, interchangeability of credits (1credit=30 hours) are provided. Students can discuss different tasks, but their performance is strictly individual.

Class attendance and behavior. Attendance of practical classes by students is mandatory. Students are not allowed to be late for practical classes.

During the lecture, students are recommended to keep notes of the lesson and keep a sufficient level of silence. Asking questions to the lecturer is perfectly normal.

Electronic gadgets using is allowed only with the teacher's permission. You are not allowed to write off, use various software, tips, use a mobile phone, tablet or other electronic gadgets during the lesson.

Policy for people with special educational needs. Students with special needs should meet with the teacher or warn him before the start of classes, at the request of the student it can be done by the group monitor.

Recommendations for successful completion of the discipline (activity of higher education students during practical classes, completion of the required minimum of educational work).

Practical classes include:

Active participation during the discussion in the audience, students should be ready to understand the material in detail, ask questions, express their point of view, discuss. During the discussion it is important:

- respect for colleagues,
- tolerance for others and their experience,
- susceptibility and impartiality,
- the ability to disagree with the opinion, but to respect the identity of the opponent(s),
- careful argumentation of his opinion and the courage to change his position under the influence of evidence,
- self-expression, when a person avoids unnecessary generalizations, describes his feelings and formulates his wishes based on their own thoughts and emotions,
- mandatory acquaintance with primary sources.

A creative approach in its various manifestations is encouraged. Students are expected to be interested in participating in city, national and international conferences, competitions and other events in the subject profile.

Safety precautions. The first lesson of the course will explain the basic principles of labor protection by conducting appropriate training. It is expected that everyone should know where the nearest evacuation exit is, where the fire extinguisher is, how to use it, etc.

The procedure for informing about changes in the syllabus, etc. Development, updating and approval of the syllabus of the discipline is carried out every year. Publishing information on the website of KhNMU in the profile of the educational program "Medicine" is Mandatory.

5. ACADEMIC INTEGRITY

- independent performance of educational tasks, tasks of current and final control of learning outcomes (for persons with special educational needs this requirement is applied taking into account their individual needs and opportunities);
- links to sources of information in the case of the use of ideas, developments, statements, information;
- compliance with copyright and related rights legislation;
- providing reliable information about the results of their own (scientific, creative) activities, used research methods and sources of information.

The Department of Propaedeutics of Pediatrics № 1 maintains zero tolerance for plagiarism. Students are expected to constantly raise their awareness of academic writing. The first lessons will provide information on what to consider plagiarism and how to properly conduct research and scientific research.

6. RECOMMENDED LITERATURE:

Basic:

1. Principles of Pediatric Nursing. Techniques for Medical Procedures and Manipulations: study guide / O. V. Tiazhka [et al.]. - Kyiv: AUS Medicine Publishing, - 2016.– 144 p.
2. Patient care: practical course / O. M. Kovalyova [et al.]. - Kyiv: AUS Medicine Publ., - 2015. - 320 p.

3. Care for the Children in the Medical-diagnostic Process: practical manual / T. Frolova [et al.]. - Kharkiv: Publish. house "Rarities of Ukraine", - 134 p 5. Pediatric Nursing / ed. M. Velasco-Whetsell [et al.]. - Chicago: McGraw-Hill.2000. - 542 p.

Additional

1. Carter, B. D., Kronenberger, W. G., Scott, E. L., & Brady, C. E. (2020). Children's Health and Illness Recovery Program (CHIRP): Clinician Guide (Programs That Work). Oxford University Press
2. 5. Robert Kliegman Joseph St. Geme. Nelson Textbook of Pediatrics, 2-Volume Set. 21st Edition.- 2019. Elsevier - 4264 p.

Web-based and electronic resources

1. World Health Organization. (2017, September 17). Primary Child Care: A manual for health workers. https://www.who.int/maternal_child_adolescent/documents/9781405066440/en/

7. Informational resources

Link to the discipline page in MOODLE

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