

MINISTRY OF HEALTH OF UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY
Department of Propaedeutics of Internal Medicine №1,
Fundamentals of Bioethics and biosafety
Academic year 2021 -2022

SYLLABUS OF THE EDUCATIONAL COMPONENT
« Care of the patient (practice) »

Normative educational component

The form of education is full-time, remote

Area of knowledge 22 "Health care"

Specialty (specialization) 222 "Medicine" - masters

Educational-professional program (educational-scientific program) of the second (master's) level of higher education

Course __ II __

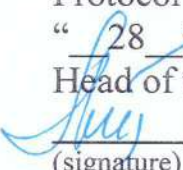
The syllabus of the discipline was approved at the meeting of the department of Propaedeutics of Internal Medicine №1, Fundamentals of Bioethics and biosafety

Approved by the methodical commission on problems of therapeutic profile of KhNMU

Protocol from

“ 28 ” August 2021 № 16


Head of the Department

 professor Ashcheulova T.V.
(signature) (surname and initials)

Protocol from

“ 31 ” August 2021 № 1

Head

 professor Kravchun P.G.
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SILABUS DEVELOPERS:

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2. Kochubei Oksana Anatoliyivna, MD, PhD
3. Sytina Irina Vasylivna, MD, Ph.D
4. Kuzmenko Nataliia Mykhailivna, MD, Ph.D.

INFORMATION ABOUT TEACHERS TEACHING THE EDUCATIONAL COMPONENT

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According to the schedule posted on the information stand of the department of Propaedeutics of Internal Medicine №1, Basis of Bioethics and biosafety

Location: 61035, Kharkiv, Gagarina Ave., 137.

INTRODUCTION

The syllabus of the discipline " Care of the patient " is compiled in accordance with the educational-professional program (hereinafter - OPP) "Medicine" and the Standard of Higher Education of Ukraine (hereinafter - the Standard), the second (master's) level, field of knowledge 22 "Health care", specialty "Medicine" (subject to availability)

Description of the discipline (abstract) " Care of the patient " (practice) is the first clinical discipline, during the study of which the student gets acquainted with the work of inpatient medical institutions, the first contact with patients, the formation of moral and ethical foundations for further professional behavior. The discipline " Care of the patient " involves the study of hygienic, preventive and curative measures, which are within the competence of junior and mid-level medical staff and are used to create comfortable conditions for the patient in the hospital, promote the patient's recovery, prevent complications and master the simplest manipulations of first aid in emergencies.

Assimilation of the material is based on consistent acquaintance with the peculiarities of the implementation of the specified scope of actions in the work of therapeutic departments of hospitals.

The organization of the educational process is carried out according to the requirements of the European credit transfer and accumulation system, which is based on determining the study load of higher education required to achieve certain learning outcomes and is accounted for in credits based on a combination of learning technologies. required to master the discipline or its section.

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

Interdisciplinary connections: According to the sample curriculum, practice of care of the patient is provided for 3 semesters, when the student has acquired relevant knowledge in basic basic disciplines: medical biology, medical and biological physics, human anatomy and physiology, bioorganic and biological chemistry, and began studying microbiology, virology and immunology, clinical anatomy and operative surgery, with which the program of industrial practice is integrated. In turn, the practice of patient care forms the basis for further study by students of clinical disciplines - pediatrics, propaedeutics of internal medicine, internal medicine, surgery, medical psychology, infectious diseases, oncology, anesthesiology and intensive care, which provides integration with these disciplines «vertically» And the formation of skills to apply knowledge care of the patient in the process of further education and professional activities.

Prerequisites. The study of the discipline " Care of the patient" focuses on basic knowledge of disciplines acquired at previous levels of education, namely: human anatomy, normal physiology, pathological physiology, as well as the study of

microbiology, virology and immunology, clinical anatomy and surgery. The organization of students' work involves the formation of conceptual and categorical array of information on each topic, practical work, control questions and independent tasks.

Postrequisites. As a result of studying the course, students of the second master's level of higher education can use the learning outcomes in the study of pediatrics, propaedeutics of internal medicine, internal medicine, surgery, medical psychology, infectious diseases, oncology, anesthesiology and intensive care, as well as abstracts, scientific publications in Ukrainian and foreign publications, study and internship abroad (participation in research grants and scholarships).

<http://en.pim1.kharkov.ua/>

1. PURPOSE AND TASKS OF THE COURSE

1.1. The purpose of studying the discipline is mastering by the student of the basic receptions of professional activity of the junior nurse on the basis of deep knowledge and understanding of features of functioning of an organism of the sick person, with observance of principles of medical ethics and deontology

1.2. The main tasks of studying the discipline are

1) Assimilation of the basic theoretical knowledge necessary for the organization of comfortable conditions of stay of the patient in a hospital and maintenance of necessary care of it at all stages of treatment;

2) 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;

3) Formation of students' moral, ethical and deontological qualities in professional communication with the patient.

1.3. Competences and learning outcomes, the formation of which is facilitated by the discipline (relationship with the normative content of training of higher education, formulated in terms of learning outcomes in the OPP and Standard).

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

integral:

ability to solve typical and complex specialized tasks and practical problems in professional activities in the field of health care, or in the learning process, which involves research and / or innovation and is characterized by complexity and uncertainty of conditions and requirements

general:

- 1 - Ability to abstract thinking, analysis and synthesis, the ability to learn and possess modern knowledge.
- 2 - Ability to apply knowledge in practical situations.
- 3 - Knowledge and understanding of the subject area and understanding of professional activity.
- 4 - Ability to adapt and act in a new situation
- 5 - Ability to make an informed decision; work in a team; interpersonal skills
- 6 - Ability to communicate in the state language both orally and in writing; ability to communicate in a foreign language
- 7 - Skills in the use of information and communication technologies
- 8 - Definiteness and persistence in terms of tasks and responsibilities
- 9 - The ability to act socially responsibly and consciously
- 10 - The desire to preserve the environment

special (professional, subject):

- 1 - Survey skills
- 2 - Ability to determine the required list of laboratory and instrumental studies and evaluate their results
- 4 - Ability to determine the required mode of work and rest, the nature of nutrition in the treatment of diseases
- 6 - Ability to diagnose emergencies
- 7 - Ability to determine tactics and skills of emergency medical care
- 9 - Skills to perform medical manipulations
- 11 - Ability to plan and conduct sanitary, preventive and anti-epidemic measures, including infectious diseases
- 14 - Ability to keep medical records

1.3.2. The study of the discipline provides students with the acquisition of the following **program learning outcomes:**

PLO 1 *Knowledge and understanding:*

- 1 – acquisition by a person of general and special fundamental and professionally-oriented knowledge, skills, abilities, competencies necessary for the performance of typical professional tasks related to his / her activity in the medical field in the relevant position
- 2 – knowledge of psychophysiological features of the person, human health, support of health, prevention of diseases, treatment of the person, health of the population

PLO 2 *Application of knowledge and understanding:*

- 3 – ability to apply the acquired knowledge, 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 research, medical manipulations
- 4 – collection of patient information
- 5 – evaluation of survey results, physical examination, laboratory and instrumental research data

- 7 - determination of the nature, principles of treatment diseases
- 8 – determination of the necessary diet, mode of work and rest in the treatment of diseases
- 10 – diagnosing emergencies, determining the tactics of emergency medical care
- 11 – carrying out sanitary and hygienic and preventive measures
- 13 – carrying out medical and evacuation measures
- 15 – performing medical manipulations
- 17 – maintenance of medical documentation, processing of state, social and medical information

PLO 3 *Formation of judgments:*

- 18 – ability to assess and support human health, taking into account the impact of the environment and other health factors
- 20 – ability to apply the acquired knowledge about the existing health care system to optimize their own professional activities and participate in solving practical problems of the industry
- 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**):

communicativeness (implemented through: method of working in pairs and groups, brainstorming, method of self-presentation), teamwork (implemented through: project method, openwork saw), conflict management (implemented through: dramatization method, game methods), time management (implemented through: project method, group work, trainings), leadership skills (implemented through: group work, project method, self-presentation method).

2. INFORMATION SCOPE OF THE COURSE

Name indicators	Field of knowledge, specialty, educational degree, OPP	Characteristics of the discipline
		daily form of education
Number of credits – 1,86	Area of knowledge 22 "Health care"	Normative
Total number of hours – 56	Specialty: 222 "Medicine" Specialization	Year of preparation (course):
		2nd
		Semester
		3rd
Hours for full-time study: classroom – 12 independent work of the student -44	Educational degree: "Medicine" of the second (master's) level of higher education master	Lectures
		0 h.
		Practical, seminar
		12 h.
		Laboratory
		0 h.
		Individual work
		44 h.
		Individual tasks: 0 h.
		Type of final control: diff. test

2.1 Description of the discipline
Lectures and seminars are not provided.

2.2.3 Practical training

№	Name topics	Number hours	Methods teaching	Forms control
1	Topic 1. Organization of the therapeutic hospital and the main structural units. Interrogation and general examination of the patient.	2		
2	Topic 2. Body temperature, rules of measurement and registration. Care for the patients with fever.	2		
3	Topic 3. Rules for determining the main indicators of the patient's life.	2		
4	Topic 4. General and special care for seriously ill and agonizing patients. The main measures to ensure personal hygiene of the patient.	2		
5	Topic 5. Organization of medical nutrition of patients. Methods of bowel cleansing.	2		
6	Differentiated test.	2		
Hours in general		12		

2.2.5. Individual work

№	Name topics	Number hours	Methods teaching	Forms control
1	Demonstrate the rules of filling in the medical documentation of the admission department	1		
2	Initial examination of the patient in the admission department, examination for pediculosis and scabies	1		
3	Conducting anthropometric studies, determining the patient's height, body weight, BMI	1		
4	Sanitary and hygienic treatment of the patient in the admission department	1		
5	Demonstrate the method of transporting patients in wheelchairs, stretchers, transferring patients to bed	1		
6	Demonstrate the method of preparation of disinfectant solutions	1		

7	Sanitary treatment of the reception and therapeutic department	1		
8	Demonstrate preparation of appropriate disinfectant solution and sanitation of window sills and furniture in the ward	1		
9	Prepare the necessary disinfectant solution and demonstrate wet cleaning of the manipulation room	1		
10	Prepare the necessary solutions and demonstrate the rules of processing medical equipment for multiple use (medical banks, thermometers, enema tips, medical vessels)	1		
11	Prepare a hygienic bath for sanitary and hygienic treatment of the patient and its disinfection after use	1		
12	Preparation of utensils for collecting sputum, urine and feces. Rules of disinfection of ware	1		
13	Demonstrate the ability to interview the patient	1		
14	Demonstrate the rules of general examination of the patient	1		
15	Rules for measuring body temperature, evaluation of results, filling in the temperature sheet	1		
16	On the temperature sheet indicate the specified parameters of heart rate, blood pressure, temperature. Evaluate the results	1		
17	Demonstrate the method of studying the pulse, blood pressure	1		
18	Demonstrate the definition of basic respiratory parameters	1		
19	Demonstrate the manufacture of disinfectants and methods of disposal of used disposable tools	1		
20	Demonstrate a change of underwear	1		
21	Demonstrate the method of feeding critically ill patients	1		
22	Report the features of diet tables	1		
23	Demonstrate the technique of cleansing, siphon, oil, drip and hypertonic enema	1		
24	Demonstrate the method of using the liner, urinal and gas tube	1		
25	Demonstrate the technique of hygienic procedures for skin care, mucous membranes	1		

26	Prepare the necessary materials and demonstrate the technique of hygienic procedures for the care of the oral cavity, nose and ear canal to a seriously ill patient	1		
27	Demonstrate the technique of prevention of bedsores	1		
28	Report the rules of treatment of the deceased	1		
29	Filling in the main reporting documentation - the Diary of industrial practice and the Final report	6		
30	Weekly observation of a patient with fever, filling in the temperature sheet, establishing the type of fever and the report of the case under study in class	6		
31	Preparation for the differential test	4		
Hours in general		44		

Teaching methods story-explanation, presentation, videos, videos, discussion.

Control methods

Current control: oral examination (individual and frontal); written survey; test control; individual tasks; abstracts; annotations; report; declamation.

Final control: differentiated test.

3. EVALUATION CRITERIA

3.1. Evaluation of the success of education of students is carried out on the basis of the current "Instructions for evaluating the educational activities of students of KhNMU"

Marks system based at the "Instruction on assessment of educational activity of students at the European credit-transfer system of the organization of educational process in KhNMU" (2016).

During each practical classes students have traditional 4-point system marks: "excellent", "good", "satisfactory" or "unsatisfactory".

The final score for the current learning activity is defined as the arithmetic mean of traditional grades for each lesson and converted to a multi-point scale according to Table 1.

Table 1

Recalculation of the average grade for current activities in a multi-point scale for disciplines that end with a credit

4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale
5	200	4.22-4.23	169	3.45-3.46	138
4.97-4.99	199	4.19-4.21	168	3.42-3.44	137
4.95-4.96	198	4.17-4.18	167	3.4-3.41	136

4.92-4,94	197	4.14-4,16	166	3.37-3,39	135
4.9-4,91	196	4.12-4,13	165	3.35-3,36	134
4.87-4,89	195	4.09-4,11	164	3.32-3,34	133
4.85-4,86	194	4.07-4,08	163	3.3-3,31	132
4.82-4,84	193	4.04-4,06	162	3.27-3,29	131
4.8-4,81	192	4.02-4,03	161	3.25-3,26	130
4.77-4,79	191	3.99-4,01	160	3.22-3,24	129
4.75-4,76	190	3.97-3,98	159	3.2-3,21	128
4.72-4,74	189	3.94-3,96	158	3.17-3,19	127
4.7-4,71	188	3.92-3,93	157	3.15-3,16	126
4.67-4,69	187	3.89-3,91	156	3.12-3,14	125
4.65-4,66	186	3.87-3,88	155	3.1-3,11	124
4.62-4,64	185	3.84-3,86	154	3.07-3,09	123
4.6-4,61	184	3.82-3,83	153	3.05-3,06	122
4.57-4,59	183	3.79-3,81	152	3.02-3,04	121
4.54-4,56	182	3.77-3,78	151	3-3,01	120
4.52-4,53	181	3.74-3,76	150	Less than 3	Not enough
4.5-4,51	180	3.72-3,73	149		
4.47-4,49	179	3.7-3,71	148		
4.45-4,46	178	3.67-3,69	147		
4.42-4,44	177	3.65-3,66	146		
4.4-4,41	176	3.62-3,64	145		
4.37-4,39	175	3.6-3,61	144		
4.35-4,36	174	3.57-3,59	143		
4.32-4,34	173	3.55-3,56	142		
4.3-4,31	172	3.52-3,54	141		
4.27-4,29	171	3.5-3,51	140		
4.24-4,26	170	3.47-3,49	139		

3.2. Test questions

1. The content of patient care and its role in the structure of general clinical measures of the therapeutic hospital.
2. The main functional responsibilities of a junior nurse in therapeutic hospitals.
3. Principles of professional subordination in the system doctor - nurse - junior medical staff.
4. The structure and functions of the therapeutic hospital.
5. Requirements and rules for providing medical-protective and sanitary-hygienic regime of the main divisions of the hospital.
6. Rules for filling in the medical documentation of the hospital.
7. Rules and sequences of questioning and examination of the patient.
8. Physiological bases of formation of the basic indicators of activity of cardiovascular and respiratory systems (pulse, arterial pressure, breath).
9. Regulation of temperature homeostasis of the organism and mechanisms of fever development.
10. General rules of drug storage in the hospital, classification. medicines and their distribution into storage groups.
11. Mechanisms of influence of the basic medical and physiotherapeutic procedures on an organism of the patient.
12. Methods of modern antiseptics and asepsis.

13. Rules of the organization of dietary food of patients of therapeutic, hospital.
14. The main methods of bowel cleansing and the rules of their conduct.
15. Signs of clinical and biological death, rules of treatment of the corpse.
16. Basic principles of cardiopulmonary resuscitation

3.3. Control questions

- to demonstrate the rules of filling in the medical documentation of the admission department;
- initial examination of the patient in the admission department, examination for pediculosis and scabies;
- conducting anthropometric studies, determining the patient's height, body weight, BMI;
- sanitary and hygienic treatment of the patient in the admission department;
- to demonstrate the method of transporting patients in wheelchairs, stretchers; transfer of patients to bed;
- demonstrate the method of preparation of disinfectant solutions;
- sanitary treatment of the premises of the reception and therapeutic department;
- demonstrate the preparation of the appropriate disinfectant solution and sanitation of window sills and furniture in the ward;
- prepare the necessary disinfectant solution and demonstrate the wet cleaning of the manipulation room;
- prepare the necessary solutions and demonstrate the rules of processing medical equipment for multiple use (cans, thermometers, enema tips, vessels);
- to prepare a hygienic bath for sanitary and hygienic treatment of the patient and its disinfection after use;
- preparation of utensils for collecting sputum, urine and feces; rules of disinfection of ware;
- demonstrate the ability to interview the patient;
- demonstrate the rules of general examination of the patient;
- rules for measuring body temperature, evaluation of results, filling in the temperature sheet;
- on the temperature sheet to mark the set parameters of pulse, arterial pressure, temperature; Evaluate the results;
- to demonstrate the method of studying the pulse, blood pressure;
- demonstrate the definition of the main indicators of respiration;
- demonstrate the manufacture of disinfectants and methods of disposal of used disposable tools;
- demonstrate a change of linen;
- to demonstrate the method of feeding seriously ill patients;
- report the features of dietary tables;
- demonstrate the technique of cleansing, siphon, oil, drip and hypertonic enema;
- demonstrate the method of using the base vessel, urinal and gas tube;

- demonstrate the technique of hygienic procedures for skin care, mucous membranes;
- prepare the necessary materials and demonstrate the technique;
- carrying out hygienic procedures for the care of the oral cavity, nose and ear canal of a seriously ill patient;
- demonstrate the technique of prevention of bedsores;
- report the rules of treatment of the deceased.

3.4. Individual tasks

Writing abstracts, annotations, reports, creating presentations or speeches on a given topic:

- 1) History of blood pressure measurement and modern methods of tonometry
- 2) The main properties of the pulse and their use to assess the patient's condition in traditional and oriental medicine
- 3) Modern means of prevention of bedsores
- 4) Modern methods of thermometry and indications for their use in therapeutic clinics
- 5) The main types of drugs and features of their appointment to patients of therapeutic profile

3.6. Rules for appealing the assessment

Applicants for higher education have the right to appeal the assessment of the discipline obtained during the control measures. The appeal is carried out in accordance with the "Regulations on the organization, conduct of current and final control and the procedure for its appeal https://drive.google.com/file/d/1vKSocYwDYCGGdcB5v6xCQhW9x_QcfTT/view .

4. DISCIPLINE POLICY

Discipline requirements – following the laws of Ukraine, Kharkiv National Medical University rules, general ethics.

Class attendance and behavior - prohibition of absence, delays.

Academic Integrity Policy – following the academic integrity.

Policy for people with special educational needs – individual approach to students according curriculum.

Recommendations for successful discipline passing – following the curriculum, obtaining enough of points.

Penalties – non-compliance with these requirements leads to penalties.

Accident prevention – following the safety regulations.

Procedure for informing about syllabus changes - this information is available at the official website of Kharkiv National Medical University.

5. ACADEMIC INTEGRITY

The policy of the educational component is based on the principles of academic integrity (link to the provisions on the university website http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/polog_ad_etyka_text.pdf and is determined by the system of requirements that the teacher imposes on the applicant when studying the educational component: compliance with safety rules in the classroom; prevention of academic plagiarism, falsification, fabrication, write-off, prohibition of the use of additional sources of information in the assessment of knowledge (including electronic means), when using Internet resources and other sources of information, the applicant must indicate the source used in the task

http://www.knmu.kharkov.ua/index.php?option=com_content&view=article&id=2520%3A2015-04-30-08-10-46&catid=20%3A2011-05-17-09-30-17&Itemid=40&lang=uk

http://files.knmu.edu.ua:8181/upload/redakt/doc_uchproc/kodex_AD.docx

6. RECOMMENDED LITERATURE

Basic

1. Patient care (Practical cours)/ Kovalyova O.M., Lesovoy V.N., Shevchenko S.I. – Kyiv: Medicine, 2015. – 320p.
2. Methodical recommendations for writing medical history of the patient (case history) / Dutka R.J.– Danylo Halytsky Lviv National Medical University Lviv, 2014. – 8p.
3. Nursing Assistant: A Nursing Process Approach—BASICS / Barbara R. Hegner, Barbara Acello, Esther Caldwell – United States of America: Delmar, Cengage Learning, 2010. – 701 p.
4. Fundamentals of Nursing: Standards and Practice Fourth Edition / Sue C. DeLaune, Patricia K. Ladner – United States of America: Delmar, Cengage Learning, 2011. – 1438 p.
5. Information to accompany patients undergoing nuclear medicine procedures/ Claire Greaves, Victoria Senior, Julie Barnett, Marie Clark, Joanna Popeand Paul Hinton – Crown copyright 2012. – 140p.

Additional

1. Symptom to diagnosis an evidence based guide. 3d edition. Authors: Scott D.C. Stern, Adam S. Cifu, Diane Altkorn. Lange. October 7th, 2014. – P. 592.
2. Teaching rounds: a visual aid to teaching internal medicine pearls on the wards. Authors: Navin Kumar, Anica Law. June 8th, 2014. – P 200.

7. INFORMATION RESOURCES:

1. <http://knmu.kharkov.ua/>
2. http://knmu.kharkov.ua/index.php?option=com_content&view=article&id=226%3A-1&catid=7%3A2011-05-05-09-09-08&Itemid=27&lang=uk
3. <http://repo.knmu.edu.ua/>
4. <http://piml.kharkov.ua/>
5. <http://distance.knmu.edu.ua/login/index.php>
6. http://search.ligazakon.ua/l_doc2.nsf/link1/RE34892.html
7. <http://www.moz.gov.ua/ua/portal>
8. <http://www.mon.gov.ua/>