

MINISTRY OF HEALTH OF UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY

Department of propedeutics of internal medicine №2 and nursing

Academic year 2021-2022
2022-2023

SYLLABUS OF THE EDUCATIONAL COMPONENT
"Basics of Nursing"

Normative educational component

The format of the educational component is full-time

Field of knowledge 22 "Health care"

Speciality 223 "Nursing"

Educational and professional programme "Nursing"

First (bachelor's) level of higher education

Year one - two (four years of study)

The silhouette of the educational component was considered at the meeting of the Department of Propedeutics of Internal Medicine №2 and Nursing

Protocol of
"30" August 2021 № 11

Head of the Department



Prof. Ospanova T. S.

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

Protocol of
"31" August 2021 № 1

Head of commission



Professor Kravchun P.P

SILOBUS DEVELOPERS:

1. Khimich T.Y., Associate Professor of the Department of PVM #2 and Nursing, Associate Professor, PhD in Medicine
2. Krasovska K. O., Associate Professor of the Department of PVM №2 and Nursing, Associate Professor, Ph.D.
3. Yaroshchuk A.V., assistant professor, Department of PVM No. 2 and Nursing

DATA ON TEACHERS WHO TEACH THE EDUCATIONAL COMPONENT

Surname, name, patronymic, position, academic title, academic degree

Yaroshchuk Alina Vitaliivna Assistant of the Department of PVM № 2 and Nursing, Master of Nursing
Professional interests: nursing

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Krasovska Kateryna Oleksandrivna - Associate Professor of the Department of Propedeutics of Internal Medicine, Nursing and Bioethics, PhD, Associate Professor.

Professional interests: therapy.

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Information about consultations Face-to-face consultations: according to the department's schedule at the department's premises - regional clinical hospital by prior arrangement. Online consultations: by prior arrangement with the teacher using the resources of the Moodle system. (<http://31.128.79.157:8083/login/index.php>)

Location. Venue for lectures and practical classes: lecture hall and classrooms of the Department of Propedeutics of Internal Medicine №2 and Nursing, 3 Trinkler St.

Classes: Monday, Tuesday, Wednesday, Thursday, Friday (900-1150/13 20-1710 according to the schedule);

INTRODUCTION

The syllabus of the educational component "Fundamentals of Nursing" is drawn up in accordance with the educational and professional programme (hereinafter - EPP) "Nursing" and the Standard of Higher Education of Ukraine, first (bachelor's) level, field of knowledge 22 "Health Care", speciality 223 "Nursing"

Description of the educational component (abstract)

The educational component "**Fundamentals of Nursing**" is a normative one in the specialty 223 Nursing, educational and professional programme Nursing. The educational component is designed to provide higher education students with the necessary knowledge to form their own view of the profession, to get acquainted with the moral concepts, principles and traditions of nursing and to enable the student to better understand the essence of the future profession; Acquiring the ability and skills to perform various nursing procedures and pay attention not only to mastering its technique, but also to the skill of communication of a bachelor's degree nurse with patients, doctors, colleagues and others, teaching the patient and (or) his/her family members the necessary skills of home care; formation of professional thinking in mastering nursing manipulations, which allows the higher education student to avoid the misconception of nursing as a mechanical performance of tasks, consolidates knowledge, skills and abilities, combining them into a flexible system of not only care, but also administration.

The subject of study of the educational component is: mastering practical skills and abilities based on theoretical knowledge of patient care and observation and is the basis for the training of bachelor's nurses; whose professional level would meet the current needs of medical practice and preservation and maintenance of public health, improving the quality of their lives by providing qualified nursing work with the population, ensuring and organising the work of junior bachelor's nurses.

Prerequisites and post-requisites: In accordance with the sample curriculum, the study of the educational component "Fundamentals of Nursing" is carried out in the 2nd and 3rd semesters, when the applicant for higher education has acquired the relevant knowledge. The educational component "Fundamentals of Nursing" is based on the basics of medical knowledge, age physiology and human valeology in the main basic disciplines: medical biology, medical and biological physics, human

anatomy, physiology, biological and bioorganic chemistry, medical chemistry, microbiology, virology and immunology, with which the programme of fundamentals of nursing is integrated. "Fundamentals of Nursing" forms the basis for the study of further clinical disciplines - clinical nursing in internal medicine, which involves "vertical" integration with these disciplines and the development of skills to apply knowledge of nursing in the process of further education and professional activities.

Link to the page of the discipline in MOODLE <https://distance.knmu.edu.ua/my/>

1. AIM AND OBJECTIVES OF THE EDUCATIONAL COMPONENT

1.1. The purpose of studying the educational component "Basics of Nursing" is to master theoretical knowledge and practical skills, perform medical manipulations in compliance with nursing protocols and standards for administration within the competence of a bachelor's degree nurse.

1.2. The main objectives of the educational component The main objectives of the study of the educational component "Nursing in Internal Medicine" are: acquaintance with moral concepts, principles and traditions of nursing; acquisition of skills and abilities to perform various nursing procedures.

- Knowledge of general and personal hygiene, general and special care of patients;
- Knowledge of the basics of resuscitation and signs of clinical and biological death;
- Mastery of the technique of providing pre-hospital care in various conditions, without the use of drugs, aimed at preventing complications and saving the life of the victim;
- Knowledge of the basics of medical rehabilitation.
- Possession of skills in examining a patient (measuring body temperature, blood pressure, determining pulse, breathing, etc;)
- Possession of skills in general and special care techniques, emergency care and resuscitation skills, manipulation and instrumental techniques, etc;
- Possession of medical rehabilitation skills;
- Possession of first aid skills;
- Possession of the technique of preparing patients for laboratory tests and the ability to properly collect materials for laboratory analysis.
- Formation of moral, ethical and deontological qualities in professional communication with patients.

1.3. Competences and learning outcomes contributed to by the discipline (relationship with the normative content of higher education training formulated in terms of learning outcomes in the EPP and the Standard).

1.3.1 The study of the discipline ensures the mastery of the following **competences** by the student:

Integral:

Competences and learning outcomes.

In accordance with the requirements of the standard, the discipline provides the acquisition of the following competencies

competences:

- integrative:

The ability to solve typical and complex specialised tasks and practical problems in professional activities in the field of health care, or in the process of study, which involves research and/or innovation and is characterised by complexity and uncertainty of conditions and requirements.

- general:

GC 01. Ability to exercise their rights and responsibilities as a member of society, to understand the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.

GC 02. Ability to preserve and enhance moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technology, to use various types and forms of physical activity for active recreation and healthy lifestyle.

GC 03. Ability to think abstractly, analyse and synthesise

GC 04. Ability to apply knowledge in practical situations

GC 09. Determination and perseverance in tasks and responsibilities

GC 10. Ability to make informed decisions

GC 11. Ability to work in a team

GC 12. Interpersonal interaction skills

- *special (professional, subject):*

PC 01. Ability to apply professional and legal standards in everyday professional practice.

PC 02. Ability to recognise and interpret signs of health and its changes, illness or disability (assessment/diagnosis), disability and identify patient problems in various diseases and conditions.

PC 03. Ability to meet the needs of the patient/client during different periods of the whole life (including the dying process) by planning, assisting and performing nursing interventions, evaluating and adjusting individual care plans created in collaboration with the patient/client, carers, family members and other health and social workers.

PC 04. Application of professional skills (abilities), medical means, interventions and actions to ensure the patient/client's dignity, privacy (intimacy), confidentiality, protection of their rights, physical, psychological and spiritual needs on the basis of transcultural nursing, tolerant and nonjudgmental behaviour.

PC 05. Ability to effectively apply a set of nursing skills, medical means, interventions and actions to provide care based on a holistic approach, taking into account the patient's needs for comfort, nutrition, personal hygiene and the person's ability to meet their daily needs.

PC 06. Ability to effectively apply a set of professional skills (abilities), medical means, interventions and actions in assessing the functional status of patients / clients, preparing them for diagnostic tests and taking biological material for laboratory tests.

PC 07: Preservation of the specialist's own health when providing care, performing manipulations and procedures, moving and transporting patients/clients.

PC 08. Preventive activities of the nurse aimed at maintaining and promoting health, preventing diseases and informing and educating the patient and his/her family members.

PC 13. Ability to identify the relationship between clinical manifestations of diseases and the results of additional research methods.

PC 14. Ability to organise and provide emergency care for various acute conditions.

PC 15. Ability to organise and provide emergency care in emergency situations in peacetime and wartime.

1.3.2. The study of the discipline ensures the acquisition of the following **programme learning outcomes** by the applicant for higher education:

PLO 1. Conduct nursing subjective and objective examination of various organs and systems of the patient and evaluate the data obtained.

PLO 2. Conduct nursing diagnostics: identify and assess patient problems.

PLO 3. Plan nursing interventions.

PLO 4. To monitor the work of nursing staff and the state of the inventory.

PLO 6. Ensure a healthy microclimate in the team. Using the principles of nursing ethics and deontology, rules of interpersonal communication to create a favourable psychological microclimate, be able to:

- PLO 7. Participate in the monitoring of healthy and ill people, rehabilitation and dispensary supervision.
 PLO 8. Perform medical manipulations to ensure sanitary and anti-epidemic regime.
 PLO 12. Properly perform medical manipulations in order to take measures to stabilise the functional state of the body.
 PLO 14. To be able to prepare a patient, to collect and send biological material for laboratory and instrumental research.
 PLO 16. Ability to perform interdependent nursing functions with accuracy

1.3.3 The study of the discipline ensures the acquisition of the following **social skills (Soft skills)** by the student:

- Communication skills
- Ability to work in a team, communicate with people and manage conflicts
- Ability to assess and analyse situations
- Ability to organise, plan and effectively execute projects and tasks
- Ability to perform work professionally and responsibly
- Ability to demonstrate emotional intelligence in interactions with colleagues, clients, with the manager, a sense of tact and timeliness of reaction.

2. INFORMATION VOLUME OF THE EDUCATIONAL COMPONENT

2.1 Description of the educational component

Name of indicators	Field of knowledge, field of study, educational qualification level	Characteristics of the educational component
		full-time form of study
Number of credits –12	Field of study 22 "Health care"	Normative
Total number of hours -359	Specialty: 223 "Nursing"	Year of preparation:
		1,2
		Semester
		2 and 3
Hours for full-time study: classroom -174 of independent work by a higher education applicants -185	Educational qualification level: First (bachelor's)	Lectures
		42
		Practical
		132 hours.
		Independent work
		185 hours.
Individual tasks.		
		Type of control: exam

2.2.1 Lectures

№	Name of the topic	Number of	Type of lecture
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		hours	
2nd semester			
1	The healthcare system in Ukraine. The history of of nursing. Bachelor of Nursing - evolution of status. Bachelor of Science in Nursing - a member of an interprofessional team	2	Thematic
2	Types of healthcare facilities. Principles of organising the work of a nurse in them. Legal and regulatory documents that ensure the work of a nurse.	2	Thematic
3	Sanitary and anti-epidemic regime of health care facilities Infection safety.	2	Thematic
4		2	Thematic
	Total for the 2nd semester	8	
3rd semester			
5	Safe hospital environment	2	Thematic
6	Man and disease. Health, philosophical, biological and ethical definition. The role of the nurse in patient education and health promotion. Fostering respect for a healthy lifestyle.	2	Thematic
7	Hierarchy of human needs according to A. Maslow. Nursing process	2	Thematic
8	Nurse participation in organising and conducting a clinical examination of a patient. Principles of assessing the general condition of a person (external examination, complaints)	2	Thematic
9	Thermometry.	2	Thematic
10	Participation of the nurse in the organisation and conduct of clinical examination of the patient. Observation of patients with cardiovascular system disorders	2	Thematic
11	Participation of the nurse in the organisation and conduct of clinical examination of the patient. Observation of patients with respiratory system disorders	2	Thematic
12	Participation of the nurse in the organisation and conduct of clinical examination of the patient. Observation of patients with digestive system disorders	2	Thematic
13	The nurse participates in the organisation and conduct of clinical examination of the patient. Observation of patients with impaired urinary function	2	Thematic
14	Application of the nursing process in solving problems of a seriously ill and agonising patient. Loss, death and grief	2	Thematic
15	Participation of a nurse in resuscitation	2	Thematic
16	The simplest methods of physiotherapy	2	Thematic
17	Meeting the patient's nutritional and fluid needs. Nutrition and feeding of patients. Control of water balance	2	Thematic
18	Forms of medicines and methods of administration. Prescribing,	2	Thematic

	storage and administration of medicines		
19	Parenteral administration of medicines. Complications of injections and their prevention	2	Thematic
20	Participation of a bachelor's degree nurse in laboratory tests, X-ray and instrumental examinations	2	Thematic
21	Participation of a nurse in performing punctures and probe manipulations	2	Thematic
	Total for the 3rd semester:	34	
Total lecture hours			

2.2.2 Seminars - not included in the programme

2.2.3 Practical classes

№	Name of the topic	Number of hours	Teaching methods	Forms of control
2nd semester				
Section of discipline 1. Fundamentals of nursing. Infection safety				
1	A nurse is a member of an interprofessional team. Communication as a tool for building relationships. Philosophy of nursing. Nursing ethics and deontology. The art of communication in a medical team	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
2	Types of healthcare facilities. Principles of organising the work of a nurse in them. Legal and regulatory documents that ensure the work of a nurse.	4	narrative-explanation, conversation, demonstration, presentation, videos, videos, discussion, round table,	oral questioning (individual and frontal); written questioning; test control; creative tasks;

			business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
3	Infection safety.	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
4	Pre-sterilisation cleaning. Sterilisation	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations,	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control;

			delegation of authority, case method, debate, sparring partnership (learning in pairs),	report; speech on a given topic
5	Patient admission to the hospital, sanitary treatment	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
6	Modes of healthcare facilities (sanitary and anti-epidemic, therapeutic, etc.). Medical waste management	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic

			pairs),	
7	Personal hygiene and safety of a nurse. Occupational health and safety of a nurse	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
8	Final control 1. Fundamentals of nursing. Infection safety	4		oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
	Total for the second semester:	32		

3rd semester

Section of discipline 2. Nursing process and meeting the physiological needs of the patient

3rd semester
Section of discipline 2.
Nursing process and meeting the physiological

					needs of the patient
9	Man and disease. Illness as an experience and behaviour of a human personality. Health, philosophical, biological and ethical definition. Healthy lifestyle as a condition for its duration, physical and spiritual development. The role of a nurse in educating patients and promoting their health. Fostering respect for a healthy lifestyle.	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic	
10	Hierarchy of human needs according to A. Maslow. Nursing models. Nursing process - stages	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic	
11	Meeting the patient's personal hygiene needs Skin, mouth, nose, eyes, ears care	4	narrative-explanation, conversation, demonstration,	oral questioning (individual and frontal);	

			presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
12	Thermometry. Methods of measurement and recording Managing patients with fever	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
13	Meeting the needs of a patient with circulatory problems	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts;

			game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	annotations; mutual control; self-control; report; speech on a given topic
14	Examination of the pulse. Blood pressure measurement Methods of recording these indicators	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
15	Meeting the needs of patients with digestive problems	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method,	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given method,

			debate, sparring partnership (learning in pairs),	
16	Observation and care of patients with vomiting. Gastric lavage Meeting the needs of patients with digestive problems	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
17	Enemas. The use of a gas tube	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
18	Participation of a nurse as a member of an interprofessional team in	4	narrative-explanation,	oral questioning

	resuscitation		conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	(individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
19	Meeting the patient's nutritional and fluid needs. Nutrition and feeding of patients Artificial nutrition	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
20	Means of influencing blood circulation. Methods of simple physiotherapy	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual

			playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
21	Final control 2. Nursing process and meeting the physiological needs of the patient	4		oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
<i>Section of disciplines 3 Use of medicines</i>				Section of disciplines 3 Use of medicines
22	Prescribing, storage and use of medicines. Routes and methods of administration of medicines External and enteral routes of administration of medicines	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech

			authority, case method, debate, sparring partnership (learning in pairs),	on a given topic
23	Parenteral administration of medicines. Types of syringes and needles	2	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
24	Intradermal injections Technique Complications of injections and their prevention.	2	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic

25	Subcutaneous injections: technique, complications and their prevention Calculating the dose and administering insulin	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
26	Intramuscular injections: technique, complications and their prevention Peculiarities of dissolution and administration of antibiotics, performing tests for individual sensitivity	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
27	Intravenous injections: technique, complications and their prevention Taking blood from a vein for laboratory testing	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion,	oral questioning (individual and frontal); written questioning; test control;

			round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
28	Intravenous drip administration:	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
<i>Section of disciplines 4 Laboratory and instrumental research methods</i>				
29	Participation of a bachelor's degree nurse in laboratory tests of patients Examination of blood, swabs from the pharynx and nasal cavity, sputum, urine, faeces	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game,	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations;

			modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	mutual control; self-control; report; speech on a given topic
30	Participation of a bachelor's degree nurse in X-ray examinations of patients	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
31	Participation of a bachelor's degree nurse in instrumental and functional examinations of patients	4	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate,	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic

			sparring partnership (learning in pairs),	
32	Participation of a nurse in performing punctures (pleural thoracentesis)	2	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
33	Probe manipulations (gastric probing, duodenal probing, gastric lavage)	2	narrative-explanation, conversation, demonstration, presentation, videos, films, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),	oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic
34	Final control 3 Use of medicines and participation of a nurse in laboratory and instrumental	4		oral questioning (individual

	research methods			and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self- control; report; speech on a given topic
	Total for the third semester:	100		
	Total:	132		

2.2.4. Laboratory classes - not provided by the programme

2.2.5. Independent work

№	Topic title	Number of hours	Teaching methods	Forms of control
	2nd semester			
1	History of nursing development in Ukraine and in the world	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
2	Red Cross Society, activities in establishing schools of mercy	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
3	Ethical code of a nurse. Methods of teaching values	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
4	Standards of nursing activity	4	video clips, video films, independent work with	abstracts; annotations; self-control; report; speech

			information sources.	on a given topic
5	Medical records: groups and storage. Documentation of a nurse administrator	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
6	Assessment of the quality of nurses' work: criteria	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
7	Problems of hospital-acquired infection	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
8	Modern disinfectants, their use in medicine	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
9	Criteria for choosing disinfectants	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
10	Prevention of diseases of healthcare workers in contact with blood	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
11	The concept of medical ergonomics	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
12	Categories of medical waste	3	video clips, video	abstracts;

			films, independent work with information sources.	annotations; self-control; report; speech on a given topic
13	Prevention of injuries in patients	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
14	The importance of proper body biomechanics in the practical work of a nurse	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
15	Conditions conducive to effective communication. Zones of communication space	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
	Total for 2nd semester	50		
	3rd semester			
1	Health. Risk factors for diseases. Formation of a healthy lifestyle and disease prevention	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
2	Teaching patients to take care of their health	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
3	Comparative characteristics of nursing models	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
4	Hierarchy of human needs according to A. Maslow	3	video clips, video films, independent	abstracts; annotations; self-control;

			work with information sources.	report; speech on a given topic
5	Stages of the nursing process, their relationship and content	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
6	Teaching the patient the elements of personal hygiene	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
7	Personal hygiene of critically ill patients	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
8	Methods of pain assessment. Factors influencing pain	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
9	Features of observation and care of patients in different stages of fever	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
10	Meeting the patient's need for physiological (bowel movements)	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
11	Meeting the patient's need for physiological (urination) Types of urinary catheters	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic

12	Palliative and hospice care, the role of the nurse	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
13	Peculiarities of care for seriously ill patients in a hospice	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
14	Methods for determining the degree of risk of pressure ulcers in patients according to the Norton, Braden scale Modern means for the prevention of pressure ulcers	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
15	The concept of terminal conditions in nursing	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
16	Features of care for incurable patients	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
17	Dietary nutrition: principles, characteristics, features	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
18	Characteristics of dietary tables	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
19	The concept of water balance. Factors affecting the water balance of the body	4	video clips, video films, independent work with	abstracts; annotations; self-control; report; speech

			information sources.	on a given topic
20	Hydrotherapy Types of therapeutic baths	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
21	Observation and care of patients during and after simple physiotherapy procedures	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
22	Safety rules for the application of simple physiotherapy methods	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
23	Patient's right to information about medicines	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
24	Teaching patients to take different forms of medicines	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
25	Antibiotics: main groups, routes of administration	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
26	Possible patient problems associated with the use of medicines	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
27	Peculiarities of working with patients taking	4	video clips, video	abstracts;

	insulin		films, independent work with information sources.	annotations; self-control; report; speech on a given topic
28	Types of intravenous catheters	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
29	Participation of a nurse in laboratory methods of blood tests	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
30	Comparative characteristics of endoscopic and radiological methods of examination and peculiarities of preparation for them	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
31	X-ray examination of the kidneys and urinary tract, nurse's participation, intervention in case of possible problems	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
32	Endoscopic examination of the gastrointestinal tract, nurse participation, intervention in case of possible problems	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
33	Pleurocentesis: indications, assisting the doctor	4	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
34	Lumbar puncture: indications, assisting the doctor	3	video clips, video films, independent work with information	abstracts; annotations; self-control; report; speech on a given

			sources.	topic
35	Possible patient problems associated with probe manipulations	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
36	Probe-free duodenal probing (tube)	3	video clips, video films, independent work with information sources.	abstracts; annotations; self-control; report; speech on a given topic
	Total for the 3rd semester	135		
	Total	185		

Teaching methods (list only those used in teaching the discipline): lecture, narration-explanation, conversation, demonstration, presentation, videos, videos, discussion, round table, business, role-playing, simulation game, modelling processes and situations, delegation of authority, case method, debate, sparring partnership (learning in pairs),

Control methods:

Current control: oral questioning (individual and frontal); written questioning; test control; creative tasks; individual tasks; abstracts; annotations; mutual control; self-control; report; speech on a given topic;

Final control: exam

3. EVALUATION CRITERIA

3.1 Evaluation of the success of education of applicants for education is carried out on the basis of the current "Instruction on evaluation of educational activities of applicants for education of KhNMU"

Organization of assessment of current control. Mastering the topic (current control) is controlled in a practical lesson in accordance with specific goals. The following means of assessing the level of training of higher education applicants are used: solving situational problems, interpreting and evaluating the results of laboratory tests, analyzing and evaluating the results of instrumental studies and parameters characterizing the functions of the human body, controlling the mastery of practical skills. The final examination (FE) is mandatory in accordance with the program of the educational component during the semester according to the schedule, during classes. The teacher of the academic group is responsible for accepting the exam. Grading is based on the traditional 4-point system: "excellent", "good", "satisfactory" and "unsatisfactory".

Criteria for evaluating the results of educational activities of students in the disciplines

Assessment	Assessment criteria
"Excellent"	The applicant for higher education shows special creative abilities, is able to acquire knowledge independently, finds and processes the necessary information without the help of a teacher, is able to use the acquired knowledge and skills to make decisions in non-standard situations, convincingly argues answers, independently reveals his/her own talents

	and inclinations
"Very good"	The applicant for higher education is fluent in the studied amount of material, applies it in practice, freely solves exercises and problems in standard situations, independently corrects the mistakes made, the number of which is insignificant
"Good"	The higher education applicant is able to compare, summarize, systematize information under the guidance of a teacher; generally apply it independently in practice; control their own activities; correct errors, including significant ones, select arguments to support opinions
"Satisfactory"	The applicant for higher education reproduces a significant part of the theoretical material, shows knowledge and understanding of the main provisions; with the help of the teacher can analyze the educational material, correct errors, among which there are a significant number of significant
"Sufficient"	The higher education applicant has knowledge of educational material at a level higher than the primary level, reproduces a significant part of it at the reproductive level
"Unsatisfactory"	with the possibility of retaking the semester control The higher education student has the material at the level of individual fragments that make up a small part of the educational material
"Unsatisfactory"	with mandatory re-study for credit The higher education applicant has the material at the level of elementary recognition and reproduction of individual facts, elements, objects
In particular, criteria for assessing practical skills in disciplines	
"Excellent"	The applicant for higher education corresponds to a high (creative) level of competence: the applicant for higher education shows special creative abilities, demonstrates the performance of practical skills without errors and has systematic theoretical knowledge (knows the methodology for performing practical skills, indications and contraindications, possible complications, etc.
"Good"	The higher education applicant independently demonstrates the performance of practical skills, making some inaccuracies that are quickly corrected, has theoretical knowledge (knows the methodology for performing practical skills, indications and contraindications, possible complications, etc.)
"Satisfactory"	The higher education applicant demonstrates the performance of practical skills, making some mistakes that can be corrected by the teacher, has satisfactory theoretical knowledge (knows the basic provisions of the methodology for performing practical skills, indications and contraindications, possible complications, etc.)
"Unsatisfactory"	The student cannot demonstrate practical skills independently (performs them, making gross mistakes), does not have a sufficient level of theoretical knowledge (does not know the methodology for performing practical skills, indications and contraindications, possible complications, etc.)

Recalculation of the average grade for the current learning activity into a multi-point scale is carried out in accordance with the "Instructions for assessing the learning activities of higher education students..." or the average grade (to the nearest hundredth) for the IPA is automatically received by the teacher using the electronic journal of the ACS.

Conversion of the average grade for the current control into a multi-point scale

(for disciplines that end with a differential test)

4-point scale	120-point scale	4-point scale	120-point scale
5	120	3.91-3,94	94
4.95-4,99	119	3.87-3,9	93
4.91-4,94	118	3.83- 3,86	92
4.87-4,9	117	3.79- 3,82	91
4.83-4,86	116	3.74-3,78	90
4.79-4,82	115	3.7- 3,73	89
4.75-4,78	114	3.66- 3,69	88
4.7-4,74	113	3.62- 3,65	87
4.66-4,69	112	3.58-3,61	86
4.62-4,65	111	3.54- 3,57	85
4.58-4,61	110	3.49- 3,53	84
4.54-4,57	109	3.45-3,48	83
4.5-4,53	108	3.41-3,44	82
4.45-4,49	107	3.37-3,4	81
4.41-4,44	106	3.33- 3,36	80
4.37-4,4	105	3.29-3,32	79
4.33-4,36	104	3.25-3,28	78
4.29-4,32	103	3.21-3,24	77
4.25- 4,28	102	3.18-3,2	76
4.2- 4,24	101	3.15- 3,17	75
4.16- 4,19	100	3.13- 3,14	74
4.12- 4,15	99	3.1- 3,12	73
4.08- 4,11	98	3.07- 3,09	72
4.04- 4,07	97	3.04-3,06	71
3.99-4,03	96	3.0-3,03	70
3.95- 3,98	95	Less than 3	Not enough

The minimum number of points that a higher education applicant must score for current activities while studying a section is 70 points, the maximum number of points is 120 points.

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Assessment of independent work of higher education students. The independent work of higher education students, which is provided for by the topic of the lesson along with classroom work, is assessed during the current control of the topic in the relevant lesson and during the differential test.

Assessment of individual tasks of a higher education applicant is carried out under the conditions of fulfilling the tasks of the teacher (presentation of an abstract at a practical lesson, a report with a presentation at a practical lesson, a report at scientific and practical conferences of the department, university, writing abstracts, articles, participation in the All-Ukrainian Olympiad). Points (no more than 10) are added as incentives. The total amount of points for the current educational activity may not exceed 120 points.

The organisation of the final control is an exam. Admission to the exam is determined by the points of the current learning activity, namely: min - 70, max - 120 points. The exam is conducted by the teachers of the department who are appointed to the examination session (professor or associate professor of the department), or by the commission in case of disagreement of the higher education student with the results of certification in accordance with the schedule of the examination session.

An exam in a discipline is a process during which the following are checked

- level of theoretical knowledge;
- development of creative thinking;
- skills of independent work;

- competences - the ability to synthesise the knowledge gained and apply it in solving practical problems.

During the exam, the mastery of practical skills and theoretical knowledge is assessed according to the following questionnaires prepared by the department

Table 2.

Number of questions	«5»	«4»	«3»	Answers to tickets that include theoretical and practical parts of the discipline	For each answer, a higher education student receives from 10 to 16 points, which corresponds to: "5" - 16 points; "4" - 13 points; "3" - 10 points.
1	16	13	10		
2	16	13	10		
3	16	13	10		
4	16	13	10		
5	16	13	10		
	80	65	50		

The exam itself is graded from -50 to -80 points.

Technology of discipline assessment

Assessment of the results of studying disciplines is carried out immediately after the exam. The grade in the discipline is defined as the sum of the points for the **IPA and the exam** and ranges from min - 120 to max - 200.

. Grades are assigned on a 200-point scale, four-point (national) scale and ECTS scale

Grading on a 200-point scale	Grade on the ECTS scale	Grade on the four-point (national) scale
180–200	A	Excellent
160–179	B	Good
150–159	C	Good
130–149	D	Satisfactory
120–129	E	Satisfactory
Less 120	F, Fx	Unsatisfactory

A grade in a discipline is assigned only to higher education students who have passed all final examinations and differential tests.

Higher education applicants who have not fulfilled the requirements of the discipline curriculum are assigned a grade of FX if they were admitted to take a differentiated test or exam but did not pass it.

Grade F is assigned to higher education students who are not allowed to take a differentiated test or exam.

Grades "FX" or "F" ("unsatisfactory") are assigned to higher education students who are not credited with the study of a discipline, the form of control of which is a test.

After completion of the discipline, the person responsible for organizing the educational and methodological work at the department or the teacher assigns the appropriate grade to the higher

education student according to the scales (Table 3) in the academic record book and fills in the following information

If the exam is not passed, the dates of retakes are set during the holidays, before the beginning of the next semester.

3.2. EXAM QUESTIONS

1. History of development and formation of nursing in the world and in Ukraine.
2. The role of a bachelor's nurse in the medical diagnostic process. Rights and responsibilities of a bachelor's degree nurse.
3. Types of health care institutions, their structure and functions.
4. Admission department of the hospital, the scope of work of the nurse.
5. Reception, registration and sanitation of the patient.
6. Sanitary and anti-epidemic regime of health care facilities. The concept of infection safety.
7. Types and methods of disinfection.
8. Methods of sterilisation. Control of sterilisation.
9. Safe hospital environment, medical and security regime, its elements and importance for the patient. Transport and transfer of patients.
10. Work with medical waste, classification of medical waste.
11. The role of a bachelor's degree nurse as a leader in ensuring the proper organisation of medical staff work with medical waste.
12. The role of the nurse in meeting the needs of the patient during different periods of life (including the dying process).
13. Modes of physical activity of the patient and ways to ensure it.
14. Nursing interventions to meet the patient's personal hygiene needs.
15. Change of bed and underwear for the critically ill patient. Rules for storing clean and dirty linen in the hospital.
16. Toilet the eyes, ear canals, nasal passages, and oral cavity of a critically ill patient.
17. Pressure ulcers. Risk factors for pressure ulcers, stages of formation, localisation. Nursing interventions for the prevention of pressure ulcers.
18. Therapeutic nutrition, basic principles. Feeding the critically ill.
19. Nutrition of patients in the hospital. Control over transfers from home, food storage. Preparation of portion requirements.
20. Dietary nutrition. Coordination of actions by combining several skills to ensure patient nutrition.

21. Artificial feeding: through a probe, gastrostomy, nutritional enema, parenteral feeding.
22. Application of professional skills (abilities), medicines, interventions and actions in assessing the functional status of patients.
23. Thermometer: structure, rules of storage and use, disinfection.
24. Measurement of body temperature, registration (digital, graphic), evaluation of results.
25. Stages of fever, main symptoms. Care of patients with fever.
26. Observation of breathing (frequency, depth, rhythm). Counting the frequency of respiratory movements, digital and graphic recording.
27. Patient problems in respiratory diseases.
28. Nursing interventions to meet the patient's need for normal breathing. Oxygen therapy.
29. Rules for using an individual spittoon, its disinfection.
30. Pulse: examination technique, properties, digital and graphical representation in the temperature sheet, pulse disorders.
31. Blood pressure: measurement technique, assessment, digital and graphic recording, blood

- pressure disorders.
32. Patient's problems in case of cardiovascular system dysfunction. Assistance in acute vascular insufficiency.
 33. Problems of the patient with disorders of the digestive tract. Assist the patient / patient during vomiting.
 34. Gastric lavage, indications, contraindications, technique.
 35. Cleansing enema, indications, contraindications, technique.
 36. Siphon enema, indications, contraindications, technique.
 37. Drop enema, indications, contraindications, technique.
 38. Therapeutic enema, indications, contraindications, technique.
 39. Oil enema, indications, contraindications, technique.
 40. Flatulence, the use of a gas tube.
 41. Problems of patients with urinary system dysfunction.
 42. Measures for urinary retention. Bladder catheterisation in men and women.
 43. Indications and techniques of bladder irrigation.
 44. Mechanism of action of the heating pad: indications, contraindications, technique of application.
 45. Mechanism of action, indications for prescription, technique of using an ice bubble.
 46. Indications, contraindications, anatomical areas, technique of placing cans.
 47. Indications, contraindications, technique of applying mustard plasters.
 48. Indications, contraindications, types and application of compresses.
 49. Hydrotherapy. General and local baths. Providing first aid to the patient / patient in case of deterioration of the condition during the bath.
 50. Light therapy. Indications, contraindications, possible complications of light therapy.
 51. Prescribing, storage and use of pharmacological agents.
 52. Rules of storage, placement and accounting of medicines in the department.
 53. Organisation of distribution of medicines in the department.
 54. External use of medicines: rubbing ointments, instilling drops in the nose, ears, eyes. Inhalation.
 55. Enteral administration of medicines: by mouth, under the tongue, rectal.
 56. Parenteral method of drug administration, advantages and disadvantages, tools.
 57. Intradermal injections: purpose, anatomical areas, technique.
 58. Mantoux test and drug sensitivity test. Evaluation of results.
 59. Features of the introduction of oil solutions, possible complications, their prevention.
 60. Calculation of the dose and rules for administering insulin.
 61. Intramuscular injections: purpose, anatomical sections, technique of execution.
 62. Dissolution, dose calculation and administration of antibiotics.
 63. Intravenous jet administration of drugs.
 64. Taking blood from a vein for laboratory testing.
 65. Bloodletting: indications, contraindications, technique, possible complications.
 66. Intravenous drip administration of drugs. Structure and installation of the system for infusion therapy.
 67. Possible complications of injections, causes of occurrence, assistance.
 68. Taking a swab from the pharynx and nose, purpose, referral to the laboratory.
 69. Laboratory examination of sputum: preparation of the patient, equipment, sending the material to the laboratory.
 70. Laboratory examination of urine: preparation of the patient, equipment, sending the material to the laboratory.
 71. Laboratory examination of faeces: preparation of the patient, equipment, sending the material to the laboratory.
 72. Preparation of patients and participation of a nurse in X-ray examination of digestive organs, irrigoscopy, cholecystography, urography, CT, MRI.
 73. Preparation of patients and participation of a nurse in endoscopic and ultrasound examinations.

74. Participation of a bachelor's degree nurse in pleural puncture: patient preparation, equipment, observation and patient care.
75. Participation of a bachelor's degree nurse in abdominal puncture: patient preparation, equipment, observation and patient care.
76. Lumbar puncture: patient preparation, equipment, observation and patient care.
77. Application of professional skills (abilities), medical means, interventions and actions in preparation for diagnostic examinations and collection of biological material for laboratory tests.
78. Maintaining of medical records by a nurse as a medical supervisor.
79. Medical ethics and deontology, their importance in the professional activity of a nurse.
80. Violation of ethical and deontological norms, their consequences for patients.
81. The hierarchy of human needs according to A. Maslow, five stages.
82. The role of the nurse in meeting human needs.
83. Basic concepts and provisions of nursing models.
84. Characteristics of the main nursing models.
85. Nursing models of Virginia Henderson and Moira Allen.
86. Human needs - the basis of nursing care.
87. Application of nursing models in practice.
88. Definition of the nursing process, stages and implications for care.
89. Documentation of the nursing process.
90. Sanitary and educational work on healthy lifestyles, hardening, physical activity, nutrition, active longevity, family planning.
91. Application of professional SOPs in everyday nursing activities.
92. Control over the work of junior medical staff and the state of the inventory.
93. Implementation of interdependent professional functions.
94. Cabinet of medical statistics. The main forms of medical documentation, their purpose.

LIST OF PRACTICAL SKILLS

1. Carry out sanitary treatment of the patient.
2. Treatment of hair in case of pediculosis.
3. Anthropometry.
4. Pre-medical assistance to the patient in case of deterioration of the condition during the hygienic bath.
5. Selection and preparation of disinfectant solutions with the required properties and concentration.
6. Disinfection of care items, patient's personal hygiene, utensils.
7. Disinfection of used instruments.
8. Quality control of pre-sterilisation treatment, maintaining the necessary documentation.
9. Sterilisation of medical instruments, dressings and care items.
10. Control of sterilisation, maintaining the necessary documentation.
11. Preparing the bed for the patient/sick person.
12. Change of underwear and bed linen for a bedridden patient.
13. Transporting and transferring the patient.
14. Skin care. Washing of bedridden patients, drying.
15. Hair care: washing, combing, cutting, shaving. Підмивання лежачих хворих.
16. Measures to prevent pressure ulcers.
17. Skin care in case of pressure ulcers.
18. Eye care: rinsing, eye baths.
19. Cleaning of the external auditory canal.
20. Nasal toilet, cleaning of the nasal passages.
21. Oral care: irrigation, rinsing, brushing teeth.
22. Supplying vessel and urinary tract to bedridden patients.
23. Use of hygiene products in bedridden patients.

24. Preparation of a diet for various diseases.
25. Feeding a bedridden patient with a spoon, sippy cup.
26. Introduction of food mixtures through a probe.
27. Feeding patients through a gastrostomy, treatment of the skin around the gastrostomy.
28. Participation of a nurse in the distribution of food, feeding patients.
29. Measurement of body temperature. Graphical and digital representation of temperature.
30. Care of patients in fever and during a critical decrease in body temperature.
31. Counting the respiratory rate, recording in the temperature sheet and modern information systems.
32. Determination of vital capacity of the lungs.
33. Assist patients with cough, shortness of breath, haemoptysis and pulmonary bleeding.
34. Supply of oxygen from an oxygen pillow, through a nasal catheter.
35. Determination of the pulse, its characteristics, graphical and digital recording in the temperature sheet.
36. Measurement of blood pressure, its registration.
37. Helping patients with heart pain, fainting, collapse.
38. Determination of edema, daily diuresis, water balance.
39. Carrying out resuscitation measures.
40. Technique of the procedure UVO, solux.
41. Application of mustard plasters.
42. Application of warming compresses, including on the ear.
43. Application of cooling compresses.
44. Use of a heating pad and ice bubble.
45. Hirudotherapy.
46. Carrying out water procedures / therapeutic baths /.
47. Work with medical documentation.
48. Selection of appointments from the patient's medical prescription.
49. Drawing up a demand note for medicines.
50. Decomposition of medicines in the medical cabinet by the method of their use.
51. External use of medicines: rubbing ointments, plasters, powders.
52. Putting drops in the nose, ears, eyes. Putting ointment behind the eyelids.
53. Use of a pocket inhaler, nebuliser.
54. Enteral administration of medicines: oral, sublingual.
55. Administration of rectal and vaginal suppositories.
56. Washing the nurse's hands and putting on sterile gloves.
57. Use of sterile single-use syringes, venflons.
58. Drawing medicines from ampoules and vials.
59. Intradermal injection.
60. Conducting drug sensitivity tests, Mantoux tests.
61. Subcutaneous injection.
62. Use of insulin syringe, syringe pen. Needle selection and insulin administration.
63. Injection of oil solutions, processing of instruments after injection.
64. Intramuscular injection.
65. Dissolution, dose calculation and administration of antibiotics.
66. Tourniquet and venipuncture techniques.
67. Intravenous jet administration of drugs.
68. Installation and filling of the intravenous system.
69. Intravenous drip administration of medicines.
70. Technique of bloodletting.
71. Assist the patient / patient during vomiting, aspiration of vomit.
72. Gastric lavage.
73. Use of a gas tube.
74. Enemas: cleansing, siphoning, therapeutic and hypertonic.

75. Catheterisation and bladder irrigation.
76. Taking blood from a vein for laboratory testing (bacteriological, biochemical) with a syringe and vacutainer.
77. Technique of taking a smear from the pharynx and nose.
78. Collection of sputum for laboratory examination (general, bacteriological).
79. Taking vomit and gastric lavage water for laboratory examination.
80. Collection of faeces for laboratory examination: coprological, bacteriological, for occult blood, helminth eggs.

3.3 Control questions and tasks for independent work

Mastery of topics that are submitted only for independent work is checked during the final lesson, exam.

The basic list of types of independent work of higher education students is developed in accordance with the structure of the discipline. The tasks for independent work are:

1. Conducting a survey of an exemplary patient, his general examination, analysis and synthesis of the data obtained with the presentation of a clinical case in the classroom, planning nursing interventions.
2. Weekly observation of a patient with fever, registration of body temperature and hemodynamic parameters in the temperature sheet, determination of the nature of fever and presentation of a clinical case in a practical class
3. Working with literature and other sources of information and preparing an abstract with a report at a practical lesson.

The higher education student independently chooses the disease for which he/she will supervise (questioning, examination) of the patient.

3.4 Individual tasks (a list approved at a meeting of the department with the number of points for their completion, which may be added as incentives):

At the request of a higher education applicant during the study of relevant topics, he or she may perform individual work, which is carried out outside of class time and, if successfully completed, is additionally evaluated by the teacher.

Indicative list of topics for abstracts:

- 1) History of blood pressure measurement and modern methods of tonometry
- 2) Basic properties of the pulse and their use to assess the patient's condition in traditional and oriental medicine
- 3) Modern means of preventing pressure ulcers
- 4) Modern methods of thermometry and indications for their use in the therapeutic clinic
- 5) The main types of medicines and features of their prescription to patients with a therapeutic profile.

3.5. Other incentives (conditions for awarding additional points for various types of informal and informational activities, including conferences, research, participation in surveys, symposia, etc.):

At the meeting of the department, a list of individual tasks (participation in conferences, specialised competitions, preparation of analytical reviews with presentations with plagiarism checks) was approved with the determination of the number of points for their completion, which can be added as incentives (no more than 10)

Points for individual assignments are awarded to a higher education student only by the commission (the commission is the head of the department, head teacher, group teacher) only if they are successfully completed and defended. In no case can the total amount of points for the **IPA** exceed 120 points.

3.6. Rules for appealing the grade

According to the general regulations and orders of KhNMU

4. DISCIPLINE POLICY

Requirements of the educational component (a system of requirements and rules that the teacher imposes on higher education students when studying the educational component). In order to achieve the learning objectives and successfully complete the course, you must: get involved in the work from the first day; attend lectures regularly; read the material in advance, before it is considered in the practical class; not be late and not miss classes; come to the department dressed in a medical gown, have a change of shoes, have a phonendoscope, notebook, pen; perform all the necessary tasks and work daily; be able to work with a partner or as part of a group; ask for help and get it when you need it. Written and homework assignments must be completed in full and on time.

Academic mobility and interchangeability of credits are provided (1 credit is 30 hours). Students can discuss different tasks, but their implementation is strictly individual. Attendance and behavior Attendance at lectures and practical classes by higher education students is mandatory. Students are not allowed to be late for lectures and practical classes.

During a lecture, higher education students are recommended to take notes and maintain a sufficient level of silence. It is absolutely normal to ask questions to the lecturer.

The use of electronic gadgets is allowed only with the permission of the teacher. Cheating, the use of various kinds of software, hints, use of a mobile phone, tablet or other electronic gadgets during class are not allowed.

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

Active participation in classroom discussions, higher education students must be prepared to understand the material in detail, ask questions, express their opinions, discuss. During the discussion, the following are important

- respect for colleagues,
- tolerance for others and their experiences,
- receptivity and impartiality,
- the ability to disagree with an opinion but respect the personality of the opponent,
- careful argumentation of one's opinion and courage to change one's position under the influence of evidence,
- I-statements, when a person avoids unnecessary generalizations, describes his/her feelings and formulates his/her wishes based on his/her own thoughts and emotions,
- familiarity with primary sources is required.

Creativity in its various manifestations is encouraged. Applicants for higher education are expected to be interested in participating in city, national and international conferences, competitions and other events in the subject area.

Incentives and penalties (additional points for conferences, research, edits, advice, participation in surveys). Evaluation of individual tasks of a higher education applicant is carried out subject to the fulfillment of the teacher's tasks (presentation of an abstract at a practical lesson, a report with a presentation at a practical lesson, a report at scientific and practical conferences of the department, university, writing abstracts, articles, participation in the All-Ukrainian Olympiad). Points (no more than 10) are added as incentives.

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

Procedure for informing about changes in the silent book, etc. Development, updating, and approval of the syllabus of the educational component is carried out every academic year. Mandatory placement on the website of the KhNMU in the profile of the educational program "Medicine" by June 30 of the current academic year for the next academic year;

5. ACADEMIC INTEGRITY

Policy on academic integrity (including liability for violations of academic integrity). Compliance with academic integrity by students includes:

- Independent completion 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 capabilities);
- References to sources of information in case of using ideas, developments, statements, data;
- 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 Propedeutics of Internal Medicine #2 and Nursing maintains zero tolerance for plagiarism. The student is expected to constantly improve his/her own awareness of academic writing. During the first classes, information sessions will be held on what exactly is considered plagiarism and how to conduct a research and scientific search correctly.

Policy on persons with special educational needs. Higher education students with special needs must meet with the teacher or warn him/her before the start of classes; at the request of the student, the group leader may do so.

6. RECOMMENDED READING

Basic

1. Delmar's fundamental and advanced nursing skills book / Gaylene Altman, Patricia Buschel, and Valerie Coxon. / NY, Thomson Learning.,-2000 p. 1436
2. Lippincott's essentials for nursing assistants / Pamela J. Carter, Fourth edition. | Philadelphia Wolters Kluwer, -2017, -P. 1093
3. Block B, Karmachari Sanshaya Kosh Building Hariharbhavan, /Fundamental of Nursing Procedure Manual Lalitpur, /Japan International Cooperation Agency,-2008.,-182 p.
4. Textbook of basic nursing / Caroline Bunker Rosdahl, Mary T. Kowalski.– 10th ed., Wolters Kluwer Health | Lippincott Williams & Wilkins, St., Philadelphia, PA,-2012, - p.1912.
5. Hubenko I.Y., Shevchenko O.T., Brazaliy L.P., Apshai V.G. Nursing process - K.: Zdorovye, 2001.
6. Infection control in medical institutions: a textbook / Under the guidance of. Cherkasy, 2007. 44 p. Kasevych N.M.
7. Fundamentals of Nursing in Modules: Study guide - K.: Medicine, 2009.
8. Kasevych N.M. General nursing care and medical manipulation technique: textbook. - K.: Medicine, 2008. - 424 p.
9. Kasevych N.M. Workshop on Nursing: a textbook - K.: Zdorovye, 2005. - 464 p.
10. Kovaleva O.M., Lisovyi V.M., Shevchenko S.I., Frolova T.V. et al. Nursing care: a textbook. - K.: VSV Medicine, 2010. - 488 p.
11. Lisovyi V.M., Olkhovska L.P., Kapustnyk V.A. Fundamentals of Nursing: Textbook - Kyiv: VSV Medicine, 2010. 560 p.
12. Nursing care for the patient: Standards of nursing procedures, manipulations and plans of care and training: textbook / I.Y. Hubenko, O.T. Shevchenko, L.P. Brazaliy, V.G. Apshai - K.: Medytsyna, 2008. - 304 p.
13. Pasechko NV, Lemke MO, Mazur PE Fundamentals of Nursing: Textbook - Ternopil: Ukrmedkniga, 2002. - 544 p.
14. Savka LS, Razinkova LI, Kopyk AF, Kotsar OI, Alenich OI Patient care and medical manipulation techniques: a textbook / edited by LM Kovalchuk, OV Kononov. - K.: Medicine, 2009. - 480 p.
15. Additional Kudriavtseva T.O. Nursing process: stages, content, documentation: a study guide - K.: Zdorovye, 2001. - 96 p.
16. Shevchenko O.T. Psychology of crisis states.

Auxiliary

1. Kudriavtseva T.O. Nursing process: stages, content, documentation: a study guide - K.: Zdorovye, 2001. - 96 p.
2. Shevchenko O.T. Psychology of crisis states: a study guide - Kyiv: Zdorovye, 2005 - 120 p.

Information resources

1. <http://www.moz.gov.ua/ua/portal/>
2. <http://oblzdrav.mk.gov.ua/>
3. <http://www.pharmencyclopedia.com.ua/article/790/persha-dolikarska-dopomoga>
4. <http://www.br.com.ua/referats/Medicina/88605.htm>
5. http://studopedia.su/11_43893_dollikarska-medichna-dopomoga
6. www.likar.uz.ua
7. www.nbu.gov.ua
8. www.ukrmed.org.ua
9. www.vz.kiev.ua