

MINISTRY OF HEALTH OF UKRAINE
KHARKIV NATIONAL MEDICAL UNIVERSITY
Department of General Practice - Family Medicine and Internal Diseases
Academic year 2024/2025

SYLLABUS OF THE EDUCATIONAL COMPONENT

Nursing in Family Medicine

Educational component status – normative

Educational component format – full-time education

Area of knowledge – 22 «Health Care»

Specialty – 223 «Nursing»

Educational program – «Nursing», first (bachelor) level of higher education

Course 4

Syllabus was approved by the Department of
General Practice - Family Medicine and
Internal Diseases

Approved by the methodological
commission of KhNMU on internal diseases
problems

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INTRODUCTION

Syllabus of the educational component "Nursing in family medicine" compiled in accordance with the Standard of Higher Education of Ukraine "Medicine" (2021).

Description of the educational component (summary).

According to the curriculum, the program for the 4th course with a volume of 120 hours consists of 18 hours of lectures, 42 hours of practical classes and 60 hours of independent work of students dedicated to the study of the nursing process and nursing in family medicine, the study of the syndrome approach by syndromes with an emphasis on differential diagnosis, examination of patients, quick and high-quality provision of emergency medical care. Special attention should be paid to the assimilation of sanology, valeology, the formation of a healthy lifestyle for children and adolescents, and the role of all family members in this matter.

The subject of study of the educational component "Nursing in family medicine" is the activity of a nurse, which includes organizational functions, determining the needs of patients, the ability to prepare patients for complex laboratory tests and instrumental methods of examination, the implementation of special care and care for patients, participation in the treatment process and preventive measures events, conducting educational work in compliance with the principles of nursing ethics and deontology, constant improvement of the professional level.

Interdisciplinary connections.

The study of "Nursing in family medicine" is related to the study of nursing in therapy, surgery and pediatrics.

Prerequisites of the educational component.

"Nursing in family medicine" as an educational component is based on the study by students of anatomy, physiology, therapy, surgery, oncology, medical psychology, psychiatry, gerontology, pediatrics.

Post-requisites of the educational component.

"Nursing in family medicine" as an educational component in the bachelor's degree is the basis for further study of nursing in ambulatory medicine.

Moodle educational component page:

<http://31.128.79.157:8083/course/view.php?id=208>.

1. PURPOSE AND OBJECTIVES OF THE COURSE

1.1. The purpose of studying the educational component "Nursing in family medicine" is to provide culturally and professionally oriented training of a bachelor's degree applicant, to determine the amount of special knowledge, abilities and skills sufficient to solve typical tasks of a specialist in the relevant position, including the ability to use theoretical knowledge and practical the ability to perform nursing

interventions in accordance with clinical protocols and nursing standards, to provide emergency care in various acute conditions, to assess the impact of dangerous factors on the risk of developing the most common diseases.

1.2. The main objectives of the educational component are:

- consideration of the basic principles of the organization and operation of the day hospital, its structural divisions;
- disclosure of the general principles of work organization at the site, functional responsibilities of a family nurse at an outpatient appointment and at home;
- familiarization with the main functional responsibilities of a manager of family medicine;
- familiarization with the legislation of Ukraine on labor protection;
- consideration of the basics of Ukrainian legislation on health care.

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

1.3.1. The study of the educational component ensures the acquisition of **competencies** by students:

Integral: A bachelor of nursing is able to solve complex specialized tasks and practical problems in the field of nursing or in the learning process, which involves the application of certain theories and methods of the relevant science and is characterized by the complexity and uncertainty of conditions.

General competences:

1. The ability to realize one's rights and responsibilities as a member of society, to realize the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of a person and a citizen in Ukraine.
2. The ability to preserve and multiply 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, techniques and technologies, use different types and forms motor activity for active recreation and leading a healthy lifestyle.
3. Ability to abstract thinking, analysis and synthesis
4. Ability to apply knowledge in practical situations
9. Determination and persistence in relation to assigned tasks and assumed responsibilities
10. Ability to make informed decisions
11. Ability to work in a team
12. Skills of interpersonal interaction.

Special (professional, subject):

1. Ability to apply professional and legal standards in everyday professional practice.
2. The ability to recognize and interpret signs of health and its changes, illness or disability (assessment/diagnosis), restrictions on the possibility of full-fledged life

activities, and to determine the problems of patients with various diseases and conditions.

3. The ability to meet the needs of the patient/client during various periods of life (including the dying process) by planning, assisting and implementing nursing interventions, evaluating and correcting individual care plans created in collaboration with the patient/client, caregivers, family members and other medical and social workers.

4. Application of professional skills (skills), medical means, interventions and actions to ensure the patient/client's dignified treatment, privacy (intimacy), confidentiality, protection of his rights, physical, psychological and spiritual needs on the basis of transcultural nursing, tolerant and non-judgmental behavior.

5. The ability to effectively apply a combination of nursing skills (skills), medical devices, interventions and actions to provide care based on a holistic (holistic) approach, taking into account the satisfaction of the patient's needs for comfort, nutrition, personal hygiene and the ability of the person to meet his daily needs.

6. Ability to effectively apply a set of professional skills (skills), medical devices, interventions and actions in assessing the functional state of patients/clients, preparing them for diagnostic studies and taking biological material for laboratory studies.

7. Preservation of the specialist's own health when providing care, performing manipulations and procedures, when moving and transporting the patient/client.

8. Preventive activities of a nurse aimed at preserving and strengthening health, preventing diseases and informing and educating the patient and his family members.

10. Ability to organize the provision of medical care according to the principle of family medicine.

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

1.3.2. The study of the educational component ensures that students acquire the following **program learning outcomes:**

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

In the conditions of health care institutions and at home, by communicating with patients of different age groups, their relatives or close relatives of a sick child and his parents, be able to collect complaints, medical history, and life history. Allergological anamnesis, epidemiological anamnesis, evaluate anamnestic data.

2. Carry out nursing diagnosis: identify and assess the patient's problems.

In the conditions of health care facilities, at home, predictable circumstances, to be able to identify the real problems of the patient, assess their priority and establish a nursing diagnosis.

3. Plan nursing interventions.

In the conditions of health care facilities, at home and under unforeseen circumstances, be able to make a plan of nursing interventions to solve real and related problems of patients of various ages.

4. Monitor the work of junior medical staff and the state of inventory.

In the conditions of health care facilities, in accordance with job duties, in order to comply with the sanitary and anti-epidemic regime, be able to: conduct training of junior medical personnel on issues of performance of functional duties and occupational health and safety; monitor compliance with safety rules by junior medical personnel;

supervise the work of junior medical personnel; control the implementation of the rules of the internal procedure by staff and patients; monitor compliance with measures of sanitary and hygienic regime in wards and medical offices.

5. Carry out nursing administration.

In the conditions of health care facilities, in order to implement organizational and management competencies, be able to: make management decisions, ensure their implementation based on the application of nursing management models; to ensure the implementation of orders and resolutions on health protection issues; master the functional duties of the head of nursing services; to know the procedure for licensing and accreditation of medical and preventive facilities, laboratories of various profiles, etc.

6. To ensure a healthy microclimate in the team. Using the principles of nursing ethics and deontology, the rules of interpersonal communication in order to create a favorable psychological microclimate, be able to:

communicate with the patient and members of his family or close environment, medical staff; solve ethical and deontological problems in the process of working with the patient and his family members; consider and analyze professional mistakes in the team; conduct training for junior and technical personnel.

7. To participate in monitoring of healthy and sick population, rehabilitation and dispensary supervision.

In the conditions of health care facilities, at home and in the community, using the current orders of the Ministry of Health of Ukraine, in order to form, preserve and improve the health of the adult and child population, be able to: keep records of dispensary groups of the population; to calculate and analyze statistical indicators of dispensation efficiency; to conduct educational work among patients of different dispensary groups; keep records of health groups; calculate and evaluate individual indicators and indicators of the complex effect of the microclimate on the human body; determine the stages of medical and social rehabilitation of the patient, tasks for each stage; make a complex of rehabilitation measures depending on the profile, course, period of the disease or injury; conduct a census of the child population.

8. To perform medical manipulations in order to ensure a sanitary and anti-epidemic regime.

12. It is necessary to perform medical manipulations in order to take measures to stabilize the functional state of the body.

14. Be able to prepare a patient, collect and direct biological material for laboratory and instrumental research.

16. Ability to be accurate when performing interdependent nursing functions.

18. Organize and conduct training of patients and their family members on medical issues.

20. Appropriate medical documentation should be kept.

1.3.3. The study of the educational component ensures that students acquire the following **soft skills**:

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

2. INFORMATION SCOPE OF THE EDUCATIONAL COMPONENT

2.1 Description of the educational component

Name of indicators	Branch of knowledge, specialty, educational level, educational and professional program	Characteristics of the educational component	
		full-time education	external form of education
Number of credits – 4	Branch of knowledge 22 "Health care"	Normative	
Total number of hours – 120	Specialty: 222 "Nursing"	Year of study (course):	
		4th	
		Term	
		7th	
Hours for full-time study: classrooms - 60 independent student work - 60	Educational level: first (bachelor) level Educational program – "Nursing"	Lectures	
		18 hours	
		Practical, seminar	
		42 hours	
		Laboratory	
		hours	0 hours
		Independent work	
		60 hours	
Individual tasks: hours			
Type of final control: differentiated credit			

2.2.1 Lectures

№	Title of the topic	Number of hours	Type of lecture
1	Introduction. Family medicine in Ukraine. The general principles of organizing the work of a family nurse	2	instructive
2	Diagnostic and therapeutic work at the ward, the participation of the family nurse in its implementation	4	informative

3	Prevention is the basis of family medicine. Documentation at the station	4	informative
4	Anti-epidemic work, the participation of family nurses in its implementation	4	informative
5	Peculiarities of observation of young children in family medicine	4	informative
	Total hours	18	

2.2.3 Practical classes

№	Name the topics	Number of hours	Teaching methods	Forms of control
1	Introduction. Family medicine in Ukraine. General principles of organizing the work of a family nurse at the precinct	6	story-explanation, conversation, presentation, discussion, business, role-playing, simulation game, modeling of processes and situations.	oral examination (individual and frontal); written survey; test control; creative tasks; individual tasks; abstracts; report; speech on a given topic.
2	Prevention is the basis of family medicine. Documentation at the station	10		
3	Problems of providing long-term medical care to the population. Arterial hypertension	12		
4	Diabetes and thyroid disease in the practice of a family nurse	14		
	Hours in total	42		

2.2.5 Independent work

№	Name the topics	Number of hours	Teaching methods	Forms of control
1	Diagnostic and therapeutic work at the precinct, participation of the family nurse in its implementation	4	Independent work	abstracts; report; speech on a given topic.
2	Peculiarities of observation of young children in family medicine	4	Independent work	abstracts; report; speech on a given topic.

3	Anti-epidemic work, the participation of family nurses in its implementation	4	Independent work	abstracts; report; speech on a given topic.
4	Acute surgical diseases of digestive organs in the practice of family medicine	10	Independent work	abstracts; report; speech on a given topic.
5	Problems of providing long-term medical care to the population. Arterial hypertension	8	Independent work	abstracts; report; speech on a given topic.
6	Joint syndrome in the practice of a family nurse	6	Independent work	abstracts; report; speech on a given topic.
7	Diabetes and thyroid disease in the practice of a family nurse	8		abstracts; report; speech on a given topic.
8	Diseases of the upper respiratory tract in the practice of a family nurse	8		abstracts; report; speech on a given topic.
9	Peculiarities of examination of patients with edematous syndrome	8		abstracts; report; speech on a given topic.
	Hours in total	60		

3. EVALUATION CRITERIA

3.1 The evaluation of the educational success of education seekers is carried out on the basis of the current «Інструкції з оцінювання навчальної діяльності здобувачів освіти ХНМУ».

During the assessment of mastery of each educational topic, the student is given a rating according to the traditional 4-point system: "excellent", "good", "satisfactory" or "unsatisfactory".

The final grade for the current educational activity is defined as the arithmetic average of traditional grades for each lesson, rounded to 2 decimal places and converted into a multi-point scale according to table 1.

Table 1

Recalculation of the average score for current activities in a multi-point scale

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

To be admitted to the differentiated assessment, the student must obtain from 70 to 120 points. Assessment of knowledge during differentiated credit is carried out according to table 2.

Table 2

Assessment of theoretical knowledge and practical skills

Number of questions	«5»	«4»	«3»	Oral answer, which include the theoretical part of the educational component	For each answer the student receives from 10 to 16 points, which corresponds to:
1	16	13	10		
2	16	13	10		
3	16	13	10		

4	16	13	10		"5" - 16 points; "4" - 13 points; "3" - 10 points.
5	16	13	10		
	80	65	50		

Assessment of the results of the study of the educational component is carried out during the differential credit. The mark of the educational component is defined as the sum of s final score for the current learning activity and differential credit and must be from min - 120 to max - 200. The correspondence of marks on the 200-point scale, four-point (national) scale and ECTS scale presents in Table 3.

Table 3

**Correspondence of 200-point scale,
four-point (national) scale and ECTS scale**

200-point scale score	ECTS scale score	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 than 120	F, Fx	Unsatisfactory

The mark of the educational component is given only to students who have passed all the final classes and the differential credit. Students are given an FX mark, if they were admitted to the differential test, but did not pass it. F mark is given to students who are not admitted to the differential credit.

3.2 Questions for the differentiated credit

1. Nursing: definition, functions, meaning.
2. The main terms necessary to define the philosophy of nursing: "patient", "nursing", "environment and society", "health".
3. Risk factors for the occurrence of diseases.
4. Basic requirements for rational nutrition.
5. Characteristics of the main methods of instrumental examination of patients, the role of the nurse.
6. Main clinical manifestations of diseases of respiratory organs, diagnostic methods.
7. Observation and care of the patient during shortness of breath, cough, hemoptysis.
8. Basic symptoms, methods of diagnosis of diseases of the cardiovascular system.
9. Atherosclerosis. Definition, risk factors. Classification. Nursing process.

10. Ischemic heart disease. Classification. Angina. Providing emergency care for an attack of angina pectoris.
11. Observation and care of the patient with heart pain, dizziness.
12. Observation and care of the patient with bradycardia, tachycardia, arrhythmia.
13. Observation and care of the patient with hypotension, hypertension.
14. Clinical symptoms in diseases of the organs of the alimentary canal.
15. Ulcer disease of the stomach and duodenum. Etiology. Main clinical syndromes. Possible complications of peptic ulcer disease, their clinical manifestations, emergency care.
16. Chronic pancreatitis. Etiology. Nursing process.
17. Diabetes. Definition, reasons. Classification. Nursing process.
18. Chronic complications of diabetes.
19. Acute complications of diabetes, emergency care.
20. Thyroid gland, assessment of function, examination methods.
21. Clinical manifestations of hypofunction of the thyroid gland. Chronic autoimmune thyroiditis.
22. Clinical manifestations of thyroid hyperfunction. Diffuse toxic goiter.

Rules for appealing the assessment

The student can appeal the current assessment to the departmental appeal commission consisting of the head of the department, teacher and professor or associate professor of the department.

According to the current «Положення про апеляцію результатів підсумкового контролю здобувачі освіти ХНМУ» a student can appeal the assessment of differentiated credit by submitting an application to his dean's office no later than the next day after the announcement of the assessment and subsequent reassignment of differentiated credit to the appeal commission.

4. DISCIPLINE POLICY AND VALUES

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

According to «Кодекс академічної доброчесності Харківського національного медичного університету» KhNMU has introduced a system of academic integrity in order to support the idea of integrity and decent relationships between participants in the academic process; promoting the importance of academic integrity; addressing issues related to raising the quality of higher education; promoting the development of a positive reputation; raising the rating of teachers and the competitiveness of university graduates; development of skills of conscientious and correct work with sources of information; compliance with the requirements of scientific ethics and respect for the intellectual property of others; activation of independence and individuality in the creation of their own works, as well as increasing the responsibility for violating the generally accepted rules of citation.

6. RECOMMENDED LITERATURE

Basic

1. Murtagh General Practice, 8th Edition / John Murtagh, Jill Rosenblatt, Clare Murtagh, Justin Coleman, McGraw Hill, 2022.
2. Family Medicine: in 3 books: textbook. Book 1. General Issues of Family Medicine / O.M. Hyrina, L.M.Pasiyeshvili, O.M.Barna, A.S.Svintsitskiy et al.; edited by O.M. Hyrina, L.M.Pasiyeshvili. - Kyiv: AUS Medicine Publishing, 2016. – 560 p.
3. McWhinney's Textbook of Family Medicine, 4th edition/ Thomas R. Freeman, Oxford University Press, 2016 – 537 p.
4. Current Diagnosis and Treatment: Family Medicine, 5th edition/ Jeannette E. South Paul, Evelyn L. Lewis, Samuel S. Matheny, 2020
5. John Murtagh's General Practice, 7th edition/ John Murtagh etc., McGraw-Hill Education – Australia, 2018.

Additional

1. 5-Minute Clinical Consult 2024/ Frank Domino, LWW, 2023, 1246 p.
2. Fast Facts for the Family Medicine Board Review/ Frank Domino, LWW, 2023, 226 p.
3. Family Medicine Board Review Book Multiple Choice Questions & Answers, Second edition/Robert A. Baldor, LWW, 2023, 384 p.
4. Textbook of Family Medicine. NINTH EDITION. Robert E. Rakel, David P. Rakel. - Elsevier, Philadelphia, PA, 2016 – 1201 p. (вільний доступ on-line - http://familymed.sbmu.ac.ir/uploads/textbook_family_medicine_rakel.pdf).

7. INFORMATION RESOURCES

Library of Kharkiv National Medical University.

Official site of the Ministry of Health of Ukraine: <http://www.moz.gov.ua/>

Moodle educational component page:

<http://31.128.79.157:8083/course/view.php?id=208>.