MINISTRY OF HEALTH OF UKRAINE
BOGOMOLETS NATIONAL MEDICAL UNIVERSITY
Department of general practice (family medicine)

«Approved»
Vice-rector for Scientific-Pedagogical and Academic Work
Bogomolets National Medical University
Doctor of Medical Sciences,
Professor_____O. M. Vlasenko
«____» _____2026

WORKING PROGRAM IN EDUCATIONAL DISCIPLINE «CLINICAL MEDICAL PRACTICE IN A GENERAL PRACTICE– FAMILY MEDICINE OUTPATIENT CLINIC AND A CONSULTATIVE AND DIAGNOSTIC CENTER»

Educational level:	second (master's)
Discipline:	22 "Healthcare"
Specialty:	222 "Medicine"
Educational program:	Educational and professional program "Medicine of the second (master's) level of higher education in the specialty 222 "Medicine"

2026/2027 academic year

Developed and submitted by : O.O. Bogomolets National Medical University

Program developers :

The program was compiled by the staff of the Department of General Practice (Family Medicine). Candidate of Medical Sciences, Associate Professor Gorobets N.M., Associate Professor, Candidate of Medical Sciences Korost Ya.V., Associate Professor, Candidate of Medical Sciences Kirzhner G.D.

Discussed and approved at the methodological meeting of the Department of General Practice (Family Medicine) minutes of meeting No. 1 dated “26” August 2026.

Head of the Department,
Doctor of Medical Sciences, Professor _____ Voloshyna I.M.

"APPROVED"
At CMC of Therapeutic Disciplines
Head of the CMC, Doctor of Medical Sciences, Professor _____ Iaremenko O.B.
Protocol No. _1 dated ___ “28” August 2026_year.

"APPROVED"
At the CMC of Pediatric Disciplines
Head of the CMC for Pediatric Disciplines,
professor_____ Kryvopustov S.P.
Protocol No. 1_ dated_“31” August 2026

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At the Central Medical Center for Surgical Disciplines
Head of the Central Medical Council for Surgical Disciplines
professor_____Stetsenko O.P.
Protocol No. _1_ dated__“31” August 2026

1. DESCRIPTION EDUCATIONAL DISCIPLINE

"CLINICAL MEDICAL PRACTICE IN A GENERAL PRACTICE–FAMILY MEDICINE OUTPATIENT CLINIC AND A CONSULTATIVE AND DIAGNOSTIC CENTER"

<table>
<tr><td rowspan="2">Name of indicators</td><td rowspan="2">Field of the knowledge, specialties, educational and qualification level</td><td colspan="2">Characteristic academic discipline</td></tr>
<tr><td>Full-time education</td><td>Correspondence education</td></tr>
<tr><td>Number of credits – 5
Overall amount of hours – 150</td><td>Branch knowledge 22 "Healthcare "</td><td colspan="2">Normative</td></tr>
<tr><td rowspan="4">Content-based modules – 4</td><td rowspan="4">Specialty:
228 "Pediatrics"</td><td colspan="2">Year of education</td></tr>
<tr><td>5th</td><td>-</td></tr>
<tr><td colspan="2">Semester</td></tr>
<tr><td>IX, X</td><td>-</td></tr>
<tr><td rowspan="9">Weekly hours for full-time uniform training: classroom – 30
Self-study work – 120</td><td rowspan="9">Educational level: second (Master`s degree)</td><td colspan="2">Lectures - 0 hours</td></tr>
<tr><td colspan="2">Practical, seminar</td></tr>
<tr><td colspan="2">30 hours</td></tr>
<tr><td colspan="2">Self-study work</td></tr>
<tr><td colspan="2">120 hours</td></tr>
<tr><td colspan="2">Individual task:</td></tr>
<tr><td colspan="2">0 hours</td></tr>
<tr><td colspan="2">Type of control:</td></tr>
<tr><td colspan="2">Differentiated credit</td></tr>
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2. PURPOSE, EXPECTED EDUCATIONAL OUTCOMES AND CRITERIA FOR EVALUATING RESULTS OF EDUCATION

2.1 **The purpose** of teaching the academic discipline "Clinical medical practice in a general practice–family medicine outpatient clinic and a consultative and diagnostic center" is to form the ability to apply the acquired knowledge, skills, abilities and understanding to solve typical tasks of activity doctor primary medical and sanitary assistance, sphere application which is provided by specific lists of syndromes and symptoms of diseases, emergency conditions and diseases that require special tactics of patient management and evaluation of laboratory and instrumental studies, performance of the following medical manipulations:

- conduct clinical examination patients and analyze their results;
- plan the sequence of examination of each patient depending on the characteristics of the clinical course of the disease;
- analyze the results of basic laboratory and instrumental research methods;
- determine leading pathological symptoms and syndromes at most common diseases;
- conduct differential diagnostics and put previous diagnosis of the most common diseases;
- determine optimal route for patient;
- to improve methods of diagnosis and provision of emergency medical care in general medical practice;
- to improve medical procedures performed at the primary care level;
- practically master modern methods of biological and radiation protection of medical workers;
- practically master the algorithm of actions in case of detection of a potentially dangerous infectious patient or a group of patients with signs of damaging external influences (chemical agents, ionizing radiation);
- to familiarize yourself with the features of maintaining medical

documentation in family medicine outpatient clinics and obstetrics and gynecology outpatient clinics institutions, modern medical informative systems, be able to apply them in practice;

- master and apply the moral and deontological principles of a general practitioner-family doctor.

2.2 Course objectives of practice is to consolidate the knowledge and skills obtained in the study of basic clinical disciplines (examination of the patient, conducting differential diagnostics and establishing a clinical diagnosis, prescribing treatment, prevention, medical examination) and further improve practical skills, familiarize yourself with the organization of the treatment process and the working conditions of a doctor in an outpatient clinic. general practices (mono - or polypractice) and obstetrics and gynecology outpatient clinic, as well as consolidating skills in preventive work and promoting a healthy lifestyle.

2.3 Competencies and learning outcomes

The formation of competencies is facilitated by the discipline (the relationship with the normative content of training for higher education applicants, formulated in terms of learning outcomes in the Standard).

According to the requirements of the standard, the discipline ensures that students acquire the following ***competencies :***

- *integral:*

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

- *general:*

GC1. Ability for abstract thinking, analysis and synthesis.

GC 2. Ability to learn and master modern knowledge.

GC 3. Ability to apply knowledge in practical situations.

GC 4. Knowledge and understanding of the subject area and understanding of professional activity.

GC 5. Ability to adapt and act in a new situation.

GC 6. Ability to make informed decisions.

GC 7. Ability to work in a team.

GC 8. Ability for interpersonal interaction.

GC 10. Ability to use information and communication technologies.

GC 11. Ability to search, process and analyze information from various sources.

GC 12. Determination and persistence in achieving assigned tasks and assumed responsibilities.

GC 13. Awareness of equal opportunities and gender issues.

GC 14. The ability to exercise one's rights and obligations 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, and the rights and freedoms of man and citizen in Ukraine.

GC 15. The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding 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 engineering, to use various types and forms of physical activity for active recreation and leading a healthy lifestyle.

- *special (professional, subject):*

FC 1. Ability to collect medical information about the patient and analyze clinical data.

FC 2. Ability to determine the necessary list of laboratory and instrumental studies and evaluate their results.

FC 3. Ability to establish a preliminary and clinical diagnosis of the disease.

FC 4. Ability to determine the necessary work and rest regime in the treatment and

prevention of diseases.

FC 5. Ability to determine the nature of nutrition in the treatment and prevention of diseases.

FC 6. Ability to determine the principles and nature of treatment and prevention of diseases.

FC 7. Ability to diagnose emergency conditions.

FC 8. Ability to determine tactics and provide emergency medical care.

FC 9. Ability to conduct medical evacuation measures.

FC 10. Ability to perform medical manipulations.

FC 11. Ability to solve medical problems in new or unfamiliar environments with incomplete or limited information, taking into account aspects of social and ethical responsibility.

FC 13. Ability to carry out sanitary and hygienic and preventive measures.

FC 14. Ability to plan and implement preventive and anti-epidemic measures against infectious diseases .

FC 16. Ability to maintain medical records, including electronic forms.

FC 17. Ability to assess the impact of the environment, socio-economic and biological determinants on the health of an individual, family, and population.

FC 21. Clearly and unambiguously communicate one's own knowledge, conclusions, and reasoning on health care problems and related issues to specialists and non-specialists, including students.

FC 23. Ability to develop and implement scientific and applied projects in the field of healthcare.

FC 24. Compliance with ethical principles when working with patients and laboratory animals.

FC 25. Adherence to professional and academic integrity, responsibility for the reliability of the obtained scientific results.

Program results of learning:

Integrative final software results teaching, formation which are facilitated by the academic discipline:

- to conduct professional activities in social interaction based on humanistic and ethical principles; to identify future professional activities as socially significant for human health;
- apply knowledge of general and specialized disciplines in professional activities;
- to comply with sanitary and hygienic standards and safety requirements when carrying out professional activities;
- use the results of independent search, analysis and synthesis of information from various sources to solve typical tasks of professional activity;
- to argue information for decision-making, to be responsible for them in standard and non-standard professional situations; to adhere to the principles of deontology and ethics in professional activities;
- to communicate professionally in modern Ukrainian, to use oral communication skills in a foreign language, analyzing texts professional orientation and translate foreign-speaking informational sources;
- adhere to communication norms in professional interaction with colleagues and management, and work effectively in a team;
- analyze information obtained as a result of scientific research, summarize, systematize and use it in professional work activities.

Program Results of learning:

PRL 1. Have a thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integration of knowledge. Be responsible for professional development, the ability to further professional learning with a high level of autonomy.

PRL 2. Understanding and knowledge of fundamental and clinical biomedical

sciences, at a level sufficient to solve professional tasks in the field of healthcare.

PRL 3. Specialized conceptual knowledge that includes scientific achievements in the field of health care and is the basis for conducting research, critical understanding of problems in the field of medicine and related interdisciplinary problems, including the system of early intervention.

PRL 4 To identify and identify the leading clinical symptoms and syndromes (according to list 1); using standard methods, using preliminary data from the patient's history, patient examination data, knowledge about the person, his organs and systems, to establish a preliminary clinical diagnosis of the disease (according to list 2).

PRN 5. Collect complaints, life and disease history, assess the patient's psychomotor and physical development, the condition of organs and body systems, and based on the results of laboratory and instrumental studies, evaluate information regarding the diagnosis (according to list 4), taking into account the patient's age.

PRL 6. Establish a final clinical diagnosis by making a reasoned decision and analyzing the obtained subjective and objective data of clinical, additional examination, conducting differential diagnostics, adhering to relevant ethical and legal norms, under the supervision of the head physician in a healthcare facility (according to list 2).

PRL 7. Assign and analyze additional (mandatory and optional) examination methods (laboratory, functional and/or instrumental) (according to list 4) of patients with diseases of organs and body systems for differential diagnosis of diseases (according to list 2).

PRL 8. Determine the main clinical syndrome or what determines the severity of the victim's condition (according to list 3) by making a reasoned decision and assessing the person's condition under any circumstances (in a healthcare facility, outside it), including in emergency situations and combat operations, in field

conditions, in conditions of lack of information and limited time.

PRL 9. Determine the nature and principles of treatment of patients (conservative, surgical) with diseases (according to list 2), taking into account the patient's age, in the conditions of a healthcare institution, outside it and at the stages of medical evacuation, including in field conditions, based on a preliminary clinical diagnosis, adhering to relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes, if necessary, expand the standard scheme, be able to substantiate personalized recommendations under the supervision of a head physician in a medical institution.

PRL 10. Determine the necessary work, rest, and nutrition regimen based on the final clinical diagnosis, adhering to relevant ethical and legal norms, by making a reasoned decision based on existing algorithms and standard schemes.

PRL 11. Determine the approach, plan, and tactics for managing physiological pregnancy, physiological childbirth, and the postpartum period by making informed decisions based on existing algorithms and standard schemes.

PRL 12. Assess the general condition of the newborn child by making an informed decision based on existing algorithms and standard schemes, adhering to relevant ethical and legal norms.

PRL 13. Assess and monitor the child's development, provide recommendations on feeding and nutritional characteristics depending on age, and organize preventive vaccinations according to the calendar.

PRL 14. Determine tactics and provide emergency medical care for emergencies (according to list 3) in conditions of limited time in accordance with existing clinical protocols and treatment standards.

PRL 16. Form rational medical routes for patients; organize interaction with colleagues in their own and other institutions, organizations and institutions; apply tools for promoting medical services in the market, based on an analysis of the needs of the population, in the conditions of the functioning of a healthcare

institution , its unit, in a competitive environment.

PRL 17. Perform medical manipulations (according to list 5) in a medical institution, at home or at work based on a preliminary clinical diagnosis and/or indicators of the patient's condition by making an informed decision, adhering to relevant ethical and legal norms.

PRL 21. Find the necessary information in professional literature and databases of other sources, analyze, evaluate and apply this information.

PRL 22. Apply modern digital technologies, specialized software, and statistical methods of data analysis to solve complex healthcare problems.

PRL 24. Organize the necessary level of individual safety (one's own and those in one's care) in the event of typical dangerous situations in one's individual field of activity.

PRL 25. Clearly and unambiguously communicate one's own knowledge, conclusions, and arguments on health care problems and related issues to specialists and non-specialists.

PRL 26. Manage work processes in the healthcare sector that are complex, unpredictable and require new strategic approaches, organize the work and professional development of staff taking into account the acquired skills of effective teamwork, leadership positions, proper quality, accessibility and fairness, ensuring the provision of integrated medical care.

PRL 27. Communicate fluently in the state language and English, both orally and in writing, to discuss professional activities, research, and projects.

PRL 28. Make effective decisions on health care issues, assess the resources needed, and consider social, economic, and ethical implications.

PRL 29. Plan, organize and conduct activities for the specific prevention of infectious diseases, including in accordance with the National Calendar of Preventive Vaccinations, both mandatory and recommended. Manage vaccine residues, organize additional vaccination campaigns, including

immunoprophylaxis activities.

Criteria evaluation results teaching

Current and differentiated tests are control measures carried out at the National Medical University named after O.O. Bogomolets (hereinafter referred to as NMU) to determine the compliance of the level of knowledge, skills and abilities acquired by students with the requirements of regulatory documents on higher education and ensure timely adjustment of the educational process in the relevant areas of training and specialties of the NMU.

For each stage of the lesson and element of current control, the student receives a traditional grade of "5-4-3-2", from which the teacher forms the arithmetic average grade for the lesson, which is converted into points according to the scale (distribution) provided for by the working curriculum. If, during the formation of the arithmetic average traditional grade for the lesson, the student receives "2", then this grade is converted into 0 points .

Results control equal knowledge, each component occupation, in particular, Tests are evaluated according to this scale:

59 % and Less correct answers - rating "2" 60-74% of correct answers - score "3"

75-89% correct answers - rating "4"

90-100% correct answers - rating "5".

Criteria evaluation:

A score of "5" is given, if the student: 1) performed work without errors and shortcomings; 2) made no more than one mistake.

Rating "4" is placed, if student performed work fully, but

made in it: 1) no more than one minor error and one shortcoming; 2) no more than two shortcoming.

A grade of "3" is given if the student has correctly completed at least half of the

work or has made: 1) no more than two gross errors or no more than one gross and one non-gross error and one deficiency; 2) no more than two-three non-gross errors or one non-gross error and three deficiencies; 3) in the absence of errors, but in the presence of four-five deficiencies.

A grade of "2" is given if the student: 1) made the number of errors (defects) that exceed the criteria for which a grade of "3" can be given; 2) if he/she completed less than half of the tasks correctly; 3) did not start completing the tasks; 4) completed no more than 10% of all tasks correctly.

Terminal CONTROL spend in form differentiated credit.

Control of mastery of the prescribed list of practical skills is carried out teachers – leaders practices from university. Final control of industrial medical practice takes place after completion practice in the form of a differentiated assessment for each content module separately. The arithmetic average of the four received grades (content modules) makes up the grade for the discipline - "Industrial medical practice in a general practice outpatient clinic - family medicine and in outpatient conditions of a consultative and diagnostic center." The student's performance assessment for industrial practice is rated and is set on a multi-point scale, has a definition according to the ECTS system and the traditional scale adopted in Ukraine.

2. PROGRAM EDUCATIONAL DISCIPLINES

Module "CLINICAL MEDICAL PRACTICE IN A GENERAL PRACTICE–FAMILY MEDICINE OUTPATIENT CLINIC AND A CONSULTATIVE AND DIAGNOSTIC CENTER" includes 4 content modules:

— **Content module 1.** Main responsibilities and professional actions doctor general practitioner – family doctor in providing therapeutic care – 1.9 credits, 57 hours (6 working days);

— **Content module 2.** Main responsibilities and professional actions of a

general practitioner – family doctor at provided assistance surgical care – 0.8 credits, 24 hours (3 working days);

— **Content module 3.** Main responsibilities and professional actions of a general practitioner – family doctor at provided assistance pediatric care – 1.5 credit, 45 hours (5 workers days);

— **Content module 4.** Main responsibilities and professional actions doctor general practitioner - family doctor in the provision of obstetric and gynecological care - 0.8 credit, 24 hours (3 working days).

4. STRUCTURE OF THE EDUCATIONAL DISCIPLINE

Structure of clinical practice	**Number hours, full-time form**				**Year of study**	**Control**
	Total hours/ credits ECTS	**Classroom training**		**Self-study work**		
Content module 1. Internal medicine practice	57 hours	Lectures	Practical classes	45 hour	5	Final control (differential credit)
	1.9 loans	0 hour	12 hour			
Content module 2. Practice in surgery	24 hours	Lectures	Practical classes	20 hour	5	Final control (differential test)
	0.8 loans	0 hour	4 hour			
Content	45 hours	Lectures	Practical classes			Final control

module 3. Practice in pediatrics	1.5 loans	0 hour	10 hour	35 hour	5	(differential credit)
Content module 4. Practice in obstetrics and gynecology	24 hours	Lectures	Practical classes	20 hour	5	Final control (differential credit)
	0.8 loans	0 hour	4 hour			
Total	150 hour/ 5 loans	0	30	120 hour	Medium arithmetic value four credits	

STRUCTURE OF EDUCATIONAL DISCIPLINE

Names meaningful modules and topics	Number hours					
	Full-time form					
	total	including				
		l	practical training	lab	sem	self-study work
1	2	3	4	5	6	7
Content-based module 1. Main responsibilities and professional actions of a general practitioner - family doctor when providing therapeutic care						
Topic 1. Principles of Organizing Planned and Emergency Therapeutic Care in the Outpatient Setting. Structure and Organization of Primary Health Care Outpatient Facilities; Scope and Content of the Work of a		-	**2**	-	-	**2**

General Practitioner – Family Physician.						
Topic 2. Outpatient appointment. Interview (complaints, history, modern counseling techniques) and objective clinical examination of the patient. Filling outpatient patient chart. Determination of the scope of additional studies, evaluation of their results. Establishment of a preliminary diagnosis. Definition tactics further treatment and the patient's ability to work.		**-**	**2**	**-**	**-**	**18**
Topic 3. Functional diagnostics: ECG analysis for ischemic changes in the myocardium, heart rhythm and conduction disorders ; participation in echocardiographic research and its clinical interpretation.		**-**	**2**	**-**	**-**	**5**
Topic 4. Radiological diagnostics: Analysis of computed tomography data, X-ray examination of the chest and abdominal organs, sonography of the chest organs.		**-**	**2**	**-**	**-**	**8**
Topic 5. Sonographic evaluation of abdominal organs, assessment of fibrogastroduodenoscopy, colonoscopy		**-**	**2**	**-**	**-**	**4**

Topic 6 Emergency care in an outpatient and polyclinic primary care health care facility: examination of the patient, determination of leading syndromes in case of emergencies states.		**-**	**2**	**-**	**-**	**8**
Total hours of content module 1	**57**		**12**			**45**
Content module 2. Main responsibilities and professional actions of a general practitioner practice – family doctor when providing surgical care						
Topic 1. Principles of organizing the provision of planned and emergency outpatient care surgical assistance in Ukraine. Outpatient patient reception. Conducting a survey and physical examination of patients. Filling out the outpatient patient card. Determining the scope of additional studies, their evaluation. Establishing a preliminary diagnosis. Determining the tactics of further treatment and working capacity patient.			**1**			**7**
Topic 2. Work in the dressing room - performing dressings, opening abscesses, primary surgical treatment of wounds. Determining indications for tetanus prophylaxis. Interpretation of radiographs. Transport immobilization. Participation in joint puncture and setting of joint			**1**			**7**

dislocations.						
Topic 3. Work in the endoscopic office - participation in performing sigmoidoscopy, colonoscopy, bronchoscopy, CT, mammograms, Ultrasound			**2**			**6**
Total hours of content module 2	**24**		**4**			**20**
Content-based module 3. Main responsibilities and professional actions doctor general practitioner – family doctor when providing pediatric care						
Topic 1. Structure and organization of work children's center/outpatient clinic family medicine. Participation in the preparation of basic documents in the work of a pediatrician. Creation adequate psychological contact between the doctor and healthy and sick children. Application of the principles of ethics and deontology in pediatrics.			**2**			**5**
Topic 2. Outpatient admission of a sick child. Diagnosis and treatment of major childhood diseases in outpatient settings. Indications for planned and urgent hospitalization of children in outpatient practice. Provision of emergency assistance to children in the pre-hospital setting stage.			**2**			**20**

Topic 3. Participation in the vaccination of children in a center/outpatient clinic family medicine. Indication and contraindications to vaccination. Providing emergency care to children with complications after vaccination.			**2**			**3**
Topic 4. Assessment of the child's health. Drawing up a diet for a healthy child. Assessment of the child's physical and neuropsychiatric development.			**2**			**4**
Topic 5. Carrying out preventive measures and medical examinations children with diseases of various body systems. Methodology of hardening of young children and children who are often ill. Participation in the system of patronage for children. Carrying out sanitary and educational work.			**2**			**3**
Total hours of content module 3	**45**		**10**			**35**
Content-based module 4. Main responsibilities and professional actions doctor general practice – family doctor at provided obstetric and gynecological care						
Topic 1. Creating adequate psychological contact between a gynecologist and a sick woman. Application of the principles of ethics and deontology in gynecology.			**1**			**7**

Features of maintaining medical documentation when working with pregnant. Collection of anamnesis and examination of the patient. Analysis of the clinical anatomy of the female genital organs, physiology of the female reproductive system.						
Topic 2. Determination of etiological and pathogenetic factors of the main diseases of the female reproductive system. Drawing up an examination plan and analyzing laboratory and instrumental examination data. Definition preliminary clinical diagnosis and tactics of management of a gynecological patient. Differential diagnosis of the most common gynecological diseases, methods of their treatment. Conducting dynamic observation pregnant women, including those with complicated pregnancies.			**1**			**7**
Topic 3. Conducting oncodiagnostics and cancer prevention in gynecology. Provision of emergency medical care gynecological sick with prehospital stage.			**2**			**6**
Total hours of content module 4	**24**		**4**			**20**

Total hours	**150**		**30**			**120**

5. LECTURE TOPICS

Lectures are not scheduled by the program

6.SEMINAR TOPICS

Seminars are not scheduled by the program

7.TOPICS OF PRACTICAL CLASSES

No.	Practical Class Topic	Number of hours
1.	Principles of organizing the provision of planned and emergency therapeutic care in outpatient settings. Structure and organization works outpatient clinic institution health care primary medical assistance, content and volumes the work of a general practitioner-family medicine doctor.	2
2	Outpatient appointment. Interview (complaints, history, modern counseling techniques) and objective clinical examination of the patient. Filling outpatient cards patient. Determining the scope of additional research, evaluating their results. Establishment previous diagnosis. Definition tactics of further treatment and the patient's ability to work.	2
3	Functional diagnostics: analysis ECG at ischemic changes in the myocardium, disturbances of rhythm and conduction of the heart; participation in echocardiographic research and its clinical interpretation.	2
4	Radiological diagnostics: Analysis data computer tomography, X-ray examination of the chest and abdominal organs, sonography of the chest organs.	2

5	Sonographic rating organs abdominal cavities, Evaluation of fibrogastroduodenoscopy, colonoscopy	2
6	Emergency care in an outpatient health care facility health primary medical help: review patient, definition leading syndromes at urgent states.	2
7	Principles organizations granting planned and emergency outpatient surgical care in Ukraine. Outpatient reception patient. Carrying out poll and physical examination of patients. Filling out the patient's outpatient card. Determining the scope of additional studies, their evaluation. Installation previous diagnosis. Definition tactics of further treatment and the patient's ability to work.	1
8	Work in the dressing room - performing dressings, opening abscesses, primary surgical treatment of wounds. Determining indications for tetanus prophylaxis. X-ray Interpretation. Transport immobilization. Participation in joint puncture and joint dislocation treatment.	1
9	Work in the endoscopic office - participation in performing sigmoidoscopy, colonoscopy, bronchoscopy, CT, mammograms, ultrasound	2
10	Structure and organization of the work of a children's center/family medicine outpatient clinic. Participation in the preparation of basic documents in the work of a pediatrician. Creation adequate psychological contact between doctor and healthy and sick children. Application principles ethics and deontology in pediatrics.	2
11	Outpatient reception sick child. Diagnostics and treatment of major childhood diseases in outpatient settings. Indications to planned and urgent hospitalization children in the outpatient	2

	clinic practice. Granting urgent assistance to children at the prehospital stage.	
12	Participation in conducting vaccinations children in conditions family medicine center/outpatient clinic. Indications and contraindications for vaccination. Provision of emergency care to children with complications after vaccination.	2
13	Rating state health child. Drafting diet Nutrition of a healthy child. Assessment of the child's physical and neuropsychological development.	2
14	Carrying out preventive events and medical check-ups children with diseases of various body systems. Method hardening children early age and children, which often get sick. Participation in the system of patronage for children. Carrying out sanitary and educational work.	2
15	Creation adequate psychological contact between a gynecologist and a sick woman. Application of the principles of ethics and deontology in gynecology. Features of maintaining medical documentation when working with a pregnant woman. Gathering anamnesis and carrying out review patient. Analysis clinical anatomy of female genitalia, physiology of female reproductive systems.	1
16	Definition etiological and pathogenetic factors major diseases female reproductive systems. Drafting plan examination and analysis of laboratory and instrumental examination data. Determination of the preliminary clinical diagnosis and tactics of managing a gynecological patient. Differential diagnosis of the most common gynecological	1

	diseases, methods of their treatment. Carrying out dynamic observation pregnant women, in ago including those with complicated pregnancies.	
17	Conducting oncodiagnostics and oncoprophylaxis in gynecology. Providing urgent medical assistance gynecological patients at the prehospital stage.	2

8.LABORATORY TOPICS

Laboratory classes are not provided.

9. SELF-STUDY WORK

No.	Name topics	Number hours
Content-based module 1. Main responsibilities and professional actions general practitioner – family doctor when providing therapeutic assistance		
1	Principles of organizing the provision of planned and emergency therapeutic care in outpatient settings. Structure and organization of the work of an outpatient polyclinic health care institution primary medical assistance, content and volumes works of General Practitioner–Family Physician	2
2	Outpatient appointment. Questioning (complaints, history, modern counseling techniques) and objective clinical examination of the patient. Filling out the patient's outpatient chart. Determining the volume additional research, rating their results. Preliminary diagnosis. Determination of further treatment tactics and patient's ability to work.	18

3	Functional diagnostics: ECG analysis for myocardial infarction, cardiac rhythm and conduction disorders; participation in echocardiographic examination and its clinical interpretation.	8
4	Radiological diagnostics: Analysis of computed tomography data, X-ray examination chest organs and abdominal cavity, sonography of the chest cavity organs.	5
5	Sonographic rating organs abdominal cavity. Evaluation of fibrogastroduodenoscopy, colonoscopy	4
6	Emergency care in an outpatient primary care healthcare facility: examination of the patient, identification of leading syndromes in emergency conditions.	8
Content-based module 2. Main responsibilities and professional actions General Practitioner–Family Physician when providing surgical care		
7	Principles of organizing the provision of planned and emergency outpatient surgical care in Ukraine. Outpatient reception patient. Carrying out poll and physical examination of patients. Filling out the patient's outpatient card. Determining the scope of additional studies, their evaluation. Installation previous diagnosis. Definition further tactics treatment and working capacity patient.	7
8	Work in the dressing room - performing dressings, disclosing abscesses, primary surgical treatment of wounds. Determination of indications for tetanus prophylaxis. Interpretation X-ray. Transport immobilization. Participation in joint puncture and joint dislocation treatment.	7
9	Work in the endoscopic office - participation in performing sigmoidoscopy, colonoscopy, bronchoscopy, CT, mammograms, ultrasound	6

Content-based module 3. Main responsibilities and professional actions General Practitioner–Family Physician when providing pediatric care		
10	Structure and organization of the work of a children's center/family medicine outpatient clinic. Participation in the preparation of basic documents in the work of a pediatrician. Creation adequate psychological contact between doctor and healthy and sick children. Application principles ethics and deontology in pediatrics.	5
11	Outpatient admission of a sick child. Diagnosis and treatment of the main children's diseases in outpatient conditions. Indications for planned and urgent hospitalization of children in outpatient practice. Granting urgent assistance to children at the prehospital stage.	20
12	Participation in conducting vaccinations children in conditions family medicine center/outpatient clinic. Indications and contraindications for vaccination. Provision of emergency care to children with complications after vaccination.	3
13	Assessment of the child's health. Drawing up a healthy diet child. Rating physical and neuropsychiatric child development .	4
14	Carrying out preventive events and medical check-ups children with diseases of various body systems. Method hardening children early age and children, which often get sick. Participation in the system of patronage for children. Carrying out sanitary and educational work.	3
Content-based module 4.		
Main responsibilities and professional actions General Practitioner–Family Physician in providing obstetric and gynecological care		

15	Creation adequate psychological contact between a gynecologist and a sick woman. Application of the principles of ethics and deontology in gynecology. Features of maintaining medical documentation when working with a pregnant woman. Gathering anamnesis and carrying out review patient. Analysis clinical anatomy of female genitalia, physiology of the female reproductive system.	7
16	Determination of etiological and pathogenetic factors of the main diseases of the female reproductive system. Drawing up an examination plan and analyzing laboratory and instrumental examination data. Determining the preliminary clinical diagnosis and tactics of managing a gynecological patient. Differential diagnosis of the most common gynecological diseases, methods of their treatment. Carrying out dispensary observation pregnant women, in ago number with a complicated pregnancy.	7
17	Conducting oncodiagnostics and oncoprophylaxis in gynecology. Providing urgent medical assistance gynecological patients at the prehospital stage.	6

10. INDIVIDUAL TASKS

Not provided

11.TEACHING METHODS

Practical, visual, verbal, work with a book, online forms of learning, video method, work in groups, discussions, solving situational problems, cases, application of methods for modeling clinical situations, problem-oriented learning.

12. METHODS AND FORMS OF CONTROL, DISTRIBUTION OF GRADES, THAT STUDENTS RECEIVE, EVALUATION

Regulations for assessing current and final control in the discipline (developed in accordance with the Regulations "On the procedure for assessing students' knowledge under time of current and final discipline control at the O.O. Bogomolets National Medical University" dated 05.09.2019)

Student work assessment. The current student assessment for the content module is carried out by the department teacher.

The heads of the practical training analyze the work of students in the departments, the quality of keeping **the Diary** (substantiation and formulation of the diagnosis, determination of the examination and treatment plan), the quality of mastering the skills of clinical, laboratory and instrumental diagnostics, conducting medical manipulations, participation in the provision of emergency medical care, the application of the principles of ethics and deontology in the practice of a doctor. Filling out the Consolidated Digital Report for each content module makes it possible to assess the student's current educational activities.

Current student evaluation is conducted using the traditional 4- point system (“excellent”, “good”, “satisfactory” and “unsatisfactory”) with subsequent conversion into points.

CONTROL assimilation module medical production practices is being held after completing the internship on the last day of the internship. Differentiated assessment is conducted by the department's teachers.

Differentiated assessment is a form of final control that consists of assessing the student's mastery of the educational material . disciplines based on results current teaching, implementation individual and control events . When exhibiting Grades for the discipline take into account the number of points accumulated by the student. points for current studies **(maximum number of points 200).** Enrollment in the discipline is carried out in a

differentiated manner according to the total number of points accumulated by him , which must be no less than minimally necessary , and corresponds minimal meaning grade E, and therefore, is 111 points.

When issuing a differentiated test in a discipline, the student is given the right to retake unsatisfactory grades no later than three days (cycle system - one day) before the test . final control in order to accumulate a minimum quantity points for passing the discipline . Differential credit in the form of a separate lesson is not provided.

The performance assessment for the industrial practice of 5th-year students is rating and is given on a multi-point scale taking into account current control, and is determined according to the ECTS system and the traditional scale adopted in Ukraine.

Points awarded to students for current activities (current control) are converted into a four-point (traditional) scale as follows:

Assessment of knowledge in the discipline is carried out according to the appropriate scale:

Mark in points	Mark in points	Rating by scale ECTS	
		Rating	Explanation
170- 200	Perfectly	A	Excellent (excellent performance only) with a small number of errors)
155- 169	Good	B	Very good (above average with a few errors)
140- 154		C	Good (generally correct execution with a certain number of significant errors)
125- 139	Satisfactorily	D	Satisfactorily (not bad, but from significant number of shortcomings)
111- 124		E	Enough (performance satisfies the minimum criteria)
60- 110		FX	Unsatisfactorily (with the possibility of

			reassembly)
1- 59	Unsatisfactorily	F	Unsatisfactorily (with mandatory re-study of the discipline)

The number of points that a student scored in "Clinical medical practice in a general practice–family medicine outpatient clinic and a consultative and diagnostic center" (5th year) is determined as the arithmetic average of the number of points for Content module 1. Internal medicine. Content module 2. Surgery. Content module 3. Pediatrics. Content module 4. Obstetrics and gynecology.

13. METHODOLOGICAL SUPPORT

Educational content:

1. Compendium or expanded plan lectures
2. Methodical instructions/recommendations for student
3. Algorithms treatment and granting urgent assistance (in accordance to the standards of evidence-based medicine)
4. Algorithms implementation practical skills, medical manipulations, videos
5. Results laboratory and instrumental methods research
6. Dummies, phantoms etc.
7. Simulators, electronic directories, computers with appropriate information support.

14. RECOMMENDED LITERATURE

Basic:

1. Netter's Obstetrics and Gynecology : 4th edition / Roger P. Smith. – 2023. – 743 p.
2. Davidson's Medicine: Principles and Practice: 24th edition: in 3 volumes/ edited by Stuart G. Ralston , Ian D. Penman , Mark W.J. Stracken , Richard P. Hobson . – 2024. – 800 p.
3. MacLeod's Clinical Review : 15th Edition / Anna R. Dover , J. Alastair Innes

, Karen Fairhurst . - 2024. - 479 p.
4. Nelson Essentials of Pediatrics . / Abigail Schuh , Robert Kliegman , Kelsey Ryan , Sarah Yale , Michelle Mitchell . - 10th Edition . - 2026. - Elsevier . - 440 p.
5. Braddom's Physical Medicine and Rehabilitation : 6th edition: in 2 volumes / David K. Chief . - 2025. - 1534 p.
6. Prehospital trauma care: 9th edition / Roy L. Elson , Kayi G. Gan , John E. Campbell. – 2023.- 464 p.
7. Psychiatry: Text and Color Illustrations: 3rd Edition / Leslie Stevens , Ian Roden . – 2025. – 134 p.

Auxiliary:

1. Modern classifications and standards of treatment of diseases of internal organs. Emergency conditions in therapy. Analyses: normative indicators, interpretation of changes. 29th edition. Mostovyi Yu.M. – 2023. – 800 p.
2. Palliative and hospice medicine: medical and social aspects. Textbook. Pasiyeshvili L.M., Zazdravnov A.A. - Magnolia 2006. – 2023. – 340 p.
3. Clinical recommendations on therapy, or a family doctor's pocket book. In 3 parts. Part 1. For students and doctors. Pasyechko N.V., Yarema N.I., Martyniuk L.P. and others. – 2024 – 368 p.
4. General practice-family medicine: Practical skills and competencies: textbook. In 3 volumes. T. 3. Practical skills and competencies of a family doctor in specialized specialties. / Babinets L.S. et al. - "Medicine". – 2026. – 284 p.
5. General practice - family medicine: in 3 books. Book 1. Organization of primary medical care. / Babinets L.S. et al. - "Medicine". – 2023. – 447 p.
6. General practice - family medicine: in 3 books. Book 2. Internal medicine and pediatrics in general practice: a textbook. / Babinets L.S. - "Medicine". - 2025. - 479 p.
7. General practice - family medicine: in 3 books. Book 3. Specialized

medicine in general practice. Babinets L.S. – 2025. – 463 p.
8. A child of the first two years of life in the practice of a family doctor. Zubarenko O.V., Lotysh N.G. - 2023. - 438 p.
9. Current issues of internal medicine (in diagrams and tables): a textbook in 3 parts. Part 2. Bilovol O.M. et al. – 2024. – 418 p.
10. Emergency medicine. Emergency (urgent) medical care: textbook / I.S. Zozulya, A.O. Volosovets , O.G. Shekera and others. - 5th edition. - 2023. - 560 p.
11. Medical and social rehabilitation: textbook / V.B. Samoilenko, N.P. Yakovenko, I.O. Petryashev and others. - 3rd edition. - 2023. - 359 p.
12. Emergencies in pediatric practice / Y.V. Marushko , G.G. Shef, S.O. Dubrov , S.M. Yaroslavskaya. — 3rd edition. – 2026. – 383 p.
13. Infectious diseases in children / L.I. Chernyshova, A.P. Volokha, A.V. Bondarenko and others. - 4th edition. - 2026. - 639 p.
14. Infectious diseases in children: textbook / S.O. Kramarev , O.B. Nadraga , O.R. Buts and others. - 3rd edition. - 2023. - 439 p.
15. Pediatrics / T.O. Kryuchko , O.E. Abaturov , I.M. Nesina . — 4th edition. – 2026. 223 p.
16. Allergy in children. Clinical and molecular aspects / S.P. Kryvopustov , O.P. Volosovets , M.V. Kryvopustova , S.D. Yuryev. – 2025. – 151 p.
17. Pediatrics with a course of infectious diseases : a textbook / L.V. Besh , V.I. Beldiy , L.P. Dedyshyn and others. - 9th edition. - 2023. - 559 p.
18. Pediatrics: practical skills: educational and methodological manual / N.O. Kurdyumova , T.G. Polishchuk. — 2nd edition. - 2023. – 328 p.
19. Neurology and psychiatry: clinical scales and diagnostic tools / V.V. Ogorenko , O.I. Kalbus , Y.V. Bukreeva and others. – 2026. – 336 p.
20. Neurology: textbook / N.V. Litvinenko, T.I. Karelin , N.M. Kasevich . — 3rd edition. – 2024. – 288 p.
21. Ophthalmology: textbook / D.G. Zhaboyedov , V.M. Serdyuk, R.L. Skrypnyk and others. – 2022. – 128 p.

22. Emergency conditions in surgery / S.D. Khimich , M.I. Burkovsky, O.A. Viltsanyuk and others. – 2025. – 487 p.

15. Informational resource:

1. Official Website O.O. Bogomolets National medical university http://nmuofficial.com/distant-education/
2. Online Library Cambridge university (free) https://www.cambridge.org/
3. Prometheus https://prometheus.org.ua/
4. EdEra https://www.ed-era.com/
5. edX https://www.edx.org/
6. Coursera https://www.coursera.org/
7. Matific https://www.matific.com/ua/uk/home/
8. KhanAcademy https://www.khanacademy.org/
9. Available education https://dostupnaosvita.com.ua/
10. iLearn https://ilearn.org.ua/
11. BeSmart https://besmart.study/
12. Codecademy https://www.codecademy.com/

16. Informational resource:

13. Official Website name O.O. Bogomolets National medical university http://nmuofficial.com/distant-education/
14. Online Library Cambridge university (free) https://www.cambridge.org/
15. Prometheus https://prometheus.org.ua/
16. EdEra https://www.ed-era.com/
17. edX https://www.edx.org/
18. Coursera https://www.coursera.org/

19. Matific https://www.matific.com/ua/uk/home/
20. KhanAcademy https://www.khanacademy.org/
21. Available education https://dostupnaosvita.com.ua/
22. iLearn https://ilearn.org.ua/
23. BeSmart https://besmart.study/
24. Codecademy https://www.codecademy.com/

Addition 1

LIST OF PRACTICAL SKILLS FOR CLINICAL MEDICAL PRACTICE IN A GENERAL PRACTICE–FAMILY MEDICINE OUTPATIENT CLINIC AND IN THE OUTPATIENT SETTING OF A CONSULTATIVE AND DIAGNOSTIC CENTER

Content module 1. Main responsibilities and professional actions of a General Practitioner–Family Physician when providing therapeutic care

1. Carrying out poll and physical examination patients from main therapeutic diseases and evaluation of examination results:

- ✓ cardiovascular systems;
- ✓ organs breath;
- ✓ gastrointestinal tract;
- ✓ urinary systems;
- ✓ musculoskeletal apparatus ;
- ✓ endocrine systems.

2. Clinical interpretation results additional methods examination:

- ✓ ECG;
- ✓ Echocardiography ;
- ✓ Holterovsky monitoring ECG;
- ✓ Results medicinal samples and samples with physical load in terms of assessing the cardiovascular system;
- ✓ Lipidograms blood;

- ✓ Coagulograms blood;
- ✓ General clinical analysis blood;
- ✓ Radiological research;
- ✓ Indicators functions external breath, spirometry;
- ✓ Esophagogastroduodenoscopy ;
- ✓ Scanogram and Ultrasound internal organs;
- ✓ General analysis urine;
- ✓ Tests on detection sugar diabetes.

3. Method recording ECG.

4. Measurement AT on upper and lower limbs.

5. Establishing a preliminary diagnosis and prescribing a treatment regimen for diseases internal organs according to current protocols granting medical care approved by the Ministry of Health of Ukraine

Content module 2. Main responsibilities and professional actions doctor General Practitioner–Family Physician when providing surgical care

- ✓ Observation surgical patients in postoperative period in outpatient conditions.
- ✓ Primary surgical processing wounds.
- ✓ Imposition and removal seams, parenthesis.
- ✓ Imposition aseptic bandages on wound.
- ✓ Local anesthesia (infiltration and conductor blockade).

Content module 3. Main responsibilities and professional actions of a General Practitioner–Family Physician at provided pediatric care

- ✓ Gathering general anamnesis and its rating in children.
- ✓ General review, palpation, percussion and auscultation organs and systems child's body.
- ✓ Clinical interpretation and rating results laboratory and instrumental

studies of children.

- ✓ Rating age-related indicators physical and neuropsychiatric development child.
- ✓ Justification and formulation clinical diagnosis.
- ✓ Rating degree heaviness state child.
- ✓ Drafting menu and calculation food to children 1st year of life.
- ✓ Immunization children, calendar vaccinations, contraindication and complication during vaccinations.
- ✓ Calculation doses medical drugs in child's age.
- ✓ Planning dispensary observation and rehabilitation events in children of different age groups.

Content-based module 4. Main responsibilities and professional actions general practitioner-family doctor in providing obstetric and gynecological care

- ✓ Rate anamnestic data concerning general and specific functions of the female body.
- ✓ Carrying out vaginal research, external and internal obstetric examination.
- ✓ Diagnostics pregnancy, definition its terms and position fetus.
- ✓ Rating palpitation fetus.
- ✓ Review and palpation chest glands.
- ✓ Review necks uterus in mirrors.
- ✓ Methods planning families, appointment different methods contraception.
- ✓ Carrying out prevention infections, which are transmitted sexual by.
- ✓ Diagnostics and treatment infections, which are transmitted sexual by.

Addition 2

Practice Diary

(sample)

Student_____

faculty_____

group _____rate_____

Dates: from _____to_____

Place: Hospital _____City_____

University leader_____

Clinical manager_____

Example

Date, time	Content work done	Done
1st day 8:00- 9:00	Attended a meeting of students with the management of the polyclinic. Familiarized himself with the organizational structure of the polyclinic. Made an individual work schedule. Received a briefing on safety and fire safety.	
9:01- 12:00	Together from precinct therapist accepted 5 sick. 1. Patient .N., 60 years old. Diagnosis: coronary artery disease: angina pectoris, II FC. Postinfarction heart failure, extrasystolic arrhythmia, HF stage 2B. This is supported by... Examination... Treatment... 2. Patient . V. , 50 years old. Diagnosis: Hypertensive disease of the 2nd degree. This is evidenced by... Examination... Treatment... etc.	Physical research 5 patients (poll, examination, blood pressure measurement). Assessment of clinical, biochemical and instrumental research.

12:01- 15:00	Together from precinct doctor visited on home and examined 3 patients. 1. Patient AT., 47 rock. D-s: Catarrhal angina. About this indicates... Examination... Treatment... 2. Patient Sh., 38 rock. D-z: Systemic red lupus, act 1 st., lupus arthritis of the elbow joints, lupus nephritis, CNH I Art. About this shows... Examination... Treatment...	3 outpatient cards filled out. Discharged 9 recipes.

Student signature _____

Diary approved by the head of the database _____

Diary checked by the head of the university_____

Date_____

Student_____

name, name, middle name

arrived in institution (hospital, enterprise, organization)

Seal institutions "_____" _____20 __years

_____ _____

(signature) (position, name, initials responsible persons)

Eliminated with institutions (hospitals, enterprises, organizations)

Seal institutions "_____" _____20 __years

_____ _____

(signature) (position, last name, initials responsible persons)

Addition 3

Consolidated Digital Report on the Completion of Clinical Medical Practice in a General Practice–Family Medicine Outpatient Clinic and in the Outpatient Setting of a Consultative and Diagnostic Center (by therapeutic, surgical, pediatric, obstetric and gynecological care)

(sample)

5th year student_____

_____faculty, group _____on base

_____cities_____

List skills and ability	Number of skills	Surname and signature of the clinical manager

Signature student_____

The report was approved by the head of the university_____

Date_____