

National Pirogov Memorial Medical University, Vinnytsya

APPROVED
Higher educational institution
Vice-rector for Scientific and Academic Work
and International Links



Iryna ANDRUSHKO
30“ 08 2024

“ AGREED ”

Head of the department of Internal and
family medicine



Iryna PALIY
“29“ 08 2024

SYLLABUS
of academic discipline
“General practice – Family medicine”
Elective block - General practice – Family medicine – EB 1.1.

Specialty	222 Medicine
Educational level	the second (master's) level
Educational program	EPP Medicine, 2024
Academic year	2024-2025
Department	Internal and Family Medicine
Contact information	<i>intmed@vnmue.edu.ua</i> . Center of Primary Health Care # 2 at Mahistratska street, 44, Vinnytsia. 21050
Syllabus compilers	associate prof. Chernova I.V. associate prof. Melashchenko S.G.,

1. Status and structure of the discipline

Discipline status	Elective
Discipline code in EPP/discipline place in EPP	EC – 1.1, component of the cycle of professional training disciplines.
Course / semester	6th year (XI-XII semesters)
The amount of discipline (the total number of hours / number of credits ECTS)	165 hours / 5.5 credits ECTS
Number of content modules	1 module
The structure of the discipline	Practical classes 72 hours Independent work 93 hours
Language of study	English
Form of study	Full-time (<i>or remote full-time by order</i>)

2. Description of the discipline

Short annotation of the course, relevance.

The main aim of the program is the acquisition of knowledge from the discipline "General practice - family medicine", the study of which is necessary for the successful mastering of the disciplines of professional activity. The subject area of the program is the training of specialists with the ability to provide primary medical health care to the population, regardless of the age and gender of patients, who are able to work independently in accordance with educational and qualification features. The program is focused on gaining knowledge about the position of family medicine in the general structure of health care and also about the principles of family service to the population and acquiring skills in examination, treatment and prevention at the primary (ambulatory) level of medical care. The program is aimed at obtaining such a level of knowledge that would allow them to:

- to develop skills in the technique of clinical examination of patients, collection of anamnesis, conducting auscultation, percussion, palpation; carry out risk stratification, control risk factors of major non-infectious diseases;
- interpret the results of laboratory and instrumental methods;
- rely in diagnosis not only on the clinical signs of the disease, but also on the results of laboratory and instrumental methods, which provide the most accurate information about the condition of the patient, his organs, systems (especially in conditions that require urgent care);
- provide qualified emergency care in various life-threatening situations: hypertensive crisis, acute coronary syndrome, paroxysmal rhythm disturbances, conduction disturbances, various types of shock, bleeding, etc.;
- treat the most common diseases, having knowledge of the pharmacodynamics of drugs used to treat diseases; the basics of rational nutrition, life style and rehab;
- conduct dispensary monitoring of patients, know the basics of rehabilitation and examination of patients' working capacity, determinate a patient's itinerary in cases with positive screening results.

Prerequisites

For successful mastering of discipline the student needs knowledge obtained in the course of studying the following disciplines: medical and biological physics, chemistry, biology, microbiology, normal and pathological physiology, morphological disciplines, propaedeutics of internal diseases, pharmacology, clinical pharmacology, medical terminology, radiology.

The purpose of the course and its significance for professional activities

The discipline "General practice - family medicine" is the training of specialists with the ability to provide primary medical multidisciplinary medical care to the population regardless of the age and gender of patients who are able to work independently in accordance with educational and qualification features.

Postrequisites

In the process of studying the discipline, students develop skills mastery of diagnostic and treatment technologies used in modern clinical practice, which involves the integration of teaching with various disciplines and the formation of competences to apply knowledge from modern

diagnostic methods in the process of further education and professional activity.

3. Learning outcomes.

After successful study of the discipline the applicant will be able to:

1. Analyze a typical clinical presentation of internal diseases;
2. Identify the leading clinical symptoms or syndrome; establish the most likely or syndromic diagnosis of the disease;
3. Establish a programs for the prevention and management of patients in outpatient conditions with the most common diseases of internal organs;
4. Implement a screening method in the practice of family medicine and draw up a route determinate a patient's itinerary for a patient with positive screening results;
5. Perform risk stratification, control risk factors of major non-infectious diseases;
6. Apply modern information processing and transmission technologies in the practice of a family doctor;
7. Analyze the data of telemetric monitoring of patient's functional condition;
8. Promptly assess the patient's condition and provide appropriate medical care for the main syndromes that require urgent medical care in the practice of a family doctor.
9. Carry out differential diagnosis of diseases taking into account the results of clinical and instrumental examination of patients;
10. Diagnose, treat, organize the implementation of measures to prevent internal diseases;
11. Use unified clinical protocols and guidelines for the provision of medical care developed on the basis of evidence-based medicine.
12. Demonstrate mastery of the moral and deontological principles of a medical specialist according to the professional subordination;
13. Keep medical documentation;
14. Convey relevant information and explanations in an understandable and appropriate form, for the patient (orally and in writing) with the family and with colleagues and other experts for the purpose of joint participation in the planning and implementation of medical care;
15. Be guided by the current legislation of Ukraine on health care and legal acts that determine the activities of management bodies and health care institutions

4. Content and logistic of the discipline

Modul 1 General practice - family medicine	XI/XII semester, 165 hours / 5,5 credits	Practical classes ## 1-14 Topics for self-study ##1-3
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The course contains 11 topics, which are included into 1 content module.

Content module 1

Topic 1. The role of family medicine in the general structure of health care and the principles of family service to the population. History of introduction of family medicine in Ukraine.

Topic 2. The system of training and continuous education of a general practitioner in modern conditions. The social significance of the activity of a family doctor.

Topic 3. Organization of work of a family doctor. The basics of information provision of the Outpatients Medical Center, family doctor's clinics. Electronic patient record systems. Telemedicine in the practice of a family doctor.

Topic 4. Evidence-based medicine. Protocols and clinical guidelines in the practical work of GP. Methods of statistical processing of the results of medical and biological research. Work with scientometric databases.

Topic 5. Principles and types of medical insurance, activity of a family doctor in the conditions of insurance medicine.

Topic 6. Medical and social aspects of population health. Population health indicators and factors affecting it.

- Topic 7.** Control of risk factors of the main non-communicable diseases. Modern techniques of patient risk stratification.
- Topic 8.** Vaccines and other immunoprophylaxis - history, effectiveness, organizational support.
- Topic 9.** Preventive medicine as the basis of a family doctor's activity. Screening examination programs.
- Topic 10.** Quarterly preventive measures in the work of a family doctor. Peculiarities of work in the management of patients with somatoform autonomic dysfunctions. Rehabilitation.
- Topic 11.** Basics of healthy eating and the fight against obesity. Assessing the health of an individual.
- Topic 12.** Struggle with alcohol consumption, tobacco smoking, hypodynamia. Motivational interview in the work of a general practitioner.
- Topic 13.** Systemic theoretical foundations of the family. Communicative and psychological aspects of family doctor activity.
- Topic 14.** Organization and provision of emergency medical care in outpatient settings. Separation of functions with emergency care facilities.

The student's independent work involves preparation for practical classes, revision of self-study topics, preparation of presentations, tables. Control of mastering the self-study topics is carried out during practical classes and final controls of module.

Individual work includes researching scientific literature, preparing reviews on the given topics for presentation at meetings of the student scientific circle, performing scientific and practical research, participation in professional contest, scientific and practical conferences, competitions of student scientific works.

A schedule of practical classes, thematic plan of independent extracurricular work, scope and directions of individual work are published on the website of the department.

The **links** of receiving materials:
<https://drive.google.com/drive/folders/14AHUm68i7djIUXWh3wllvxaucZQ8ng2U> **or**
<https://www.vnmuet.edu.ua/> - Department of Internal and Family Medicine/ for students/ full-time education/ medicine/ 6th course/ General Practice for the profile general practice-family medicine
 . Materials can be accessed from the student's corporate account s000XXX@vnmuet.edu.ua

5. Forms and methods of academic performance monitoring

Current control in practical studies	Methods: oral or written survey, testing, electronic survey, solving of situational tasks, interpreting of laboratory studies, verification of the performance of independent work; control of practical skills during patient examination; test tasks with the choice of the correct answer.
Final control of the discipline – (differentiated credit)	individual oral or written survey; electronic survey, solving typical situational problems; interpretation and assessment of the results of laboratory and instrumental research, test tasks with the choice of the correct answer (according to the regulations on the organization of the educational process at M.I.Pyrogov VNMU (the link https://www.vnmuet.edu.ua/Загальна інформація/Basic documents)
Learning performance diagnostic tools	Theoretical questions, tests, clinically-oriented situational tasks, practical tasks, demonstration of practical skills, interpretation of laboratory and instrumental studies of the heart.

6. Assessment criteria

Knowledge assessment is carried out in accordance with the Regulations of the Academic process in VNMU named after M.I. Pirogov (link link <https://www.vnmdu.edu.ua/General> information)

Current assessment	On a four point system of traditional assessments: 5 «excellent», 4 «good», 3 «satisfactory», 2 «unsatisfactory»
Control of practical skills	According to the four-point system of traditional assessments
Credit	Current academic performance - from 72 to 120 points (conversion of the average traditional grade for practical classes on a 120-point scale): 60% of the total score. Final control - from 50 to 80 points: 40% of the total score. Individual work - from 6 to 12 points Credited: 122 to 200 points
Discipline assessments:	Current academic performance - from 72 to 120 points (conversion of the average traditional grade for practical classes on a 120-point scale): 60% of the total score. Final control - from 50 to 80 points: 40% of the total score. Individual work - from 6 to 12 points Credited: 122 to 200 points

Discipline Score Scale: National and ECTS

The sum of grades for all types of educational activities	Score ECTS	Score on a national scale	
		For exam, course project (work), practice	for credit test
180-200	A	excellent	credited
170-179,9	B	good	
160-169,9	C		
141-159,9	D	satisfactory	
122-140,99	E	satisfactory	-
120-140,99	E	-	credited
61-119	FX	unsatisfactory with the possibility of reassembly	is not credited with the possibility of reassembling
	F	unsatisfactory with a mandatory re-study of discipline	is not credited with mandatory reexamination of discipline

7. Policy of discipline/ course

The student has the right to receive high-quality educational services, access to contemporary scientific and educational information, qualified tutoring during the study of discipline and mastering practical skills. The policy of the department during the providing of educational services is a student-centered, based on normative documents of the Ministry of Education and the Ministry of Health of Ukraine, the Statute of the University and the Procedure for the Providing of Educational Services regulated by the main principles of the organization of the educational process in National Pirogov

Memorial Medical University and the principles of academic integrity .

Adherence to the rules of VNMU, safety techniques in practical classes.

Observance of the rules of the VNMU regulations, safety precautions at practical classes. Instruction on occupational health and safety with students during labor and professional training in health care institutions is conducted by the head of the institution's structural division or the student's direct supervisor. At the first practical session, the teacher, in accordance with the requirements of the Job Description, conducts an instruction on labor protection issues, including the rules of sanitary and hygienic, epidemiological regime.

Requirements for preparation for practical classes.

The student should be prepared for a practical lesson. A student should come to class on time, without delay. A student who is more than 10 minutes late is not allowed to the practical class and must work it in the prescribed manner. In practical classes, the student must be dressed in a work uniform (medical gown, hat). Students who do not have a work uniform are not allowed to practice. The student must follow the rules of safety in practical rooms and at the department. When discussing theoretical issues, students should demonstrate tolerance, courtesy and respect for their colleagues and the teacher; when performing practical tasks, the workplace should be kept in order and be cleaned after performing practical work.

Usage of mobile phones and other electronic devices. The use of mobile phones and other electronic devices in the classroom is allowed only during electronic testing, quizzes or surveys.

Academic integrity. When studying the discipline, the student must be guided by the Code of Academic Integrity and Corporate Ethics of National Pirogov Memorial Medical University (link <https://www.vnmdu.edu.ua/en/general-information/> Code of Academic Integrity). In case of violation of the norms of academic integrity during the current and final controls student receives a grade of "2" and must work it out to his teacher in the prescribed manner within two weeks after receiving an unsatisfactory assessment).

Missed classes. Missed classes are re-working out in the manner prescribed by Regulations of the Academic processing National Pirogov Memorial Medical University ((link <https://www.vnmdu.edu.ua/en/general-information/>) at the time of workout schedule (published on the website of the department <https://www.vnmdu.edu.ua/en/department/department/50>) to the teacher on duty. In order to re-work the missed class, the student must orally or in writing answer questions on the topic of the class.

The procedure for admission to the discipline final control is given in the Regulation of the Academic processing National Pirogov Memorial Medical University ((link <https://www.vnmdu.edu.ua/en/general-information/>). Students who have not missed unworked practical classes and received an average traditional grade of at least "3" are admitted to the final examination..

Additional individual points. Individual points in the discipline (from 6 to 12) the student can get for individual work, the amount of which is published on the website of the department in the teaching materials of the discipline, the number of points is determined by the results of individual work according to the Regulation of the Academic processing National Pirogov Memorial Medical University ((link <https://www.vnmdu.edu.ua/en/general-information/>).

Conflict resolution. In case of misunderstandings and complaints to the teacher because of the quality of educational services or knowledge assessment and other conflict situations, student should submit his / her claims to the teacher. If the issue is not resolved, the student has a right to apply to the head of the department according to Complaints Consideration Procedure ([https://www.vnmdu.edu.ua/ General information / basic documents](https://www.vnmdu.edu.ua/General%20information/basic%20documents)).

Politics in terms of remote learning. Distance learning regulated by the Regulations of the elements of remote learning in VNMU named after Pirogov M.I. ([https://www.vnmdu.edu.ua/ General information](https://www.vnmdu.edu.ua/General%20information)). The main training platforms for studying are Microsoft Team and Google Meets. The procedure for conducting practical classes, practice and consultations during distance learning is published on the website of the department <https://www.vnmdu.edu.ua/en/department/department/50>.

Feedback from teachers is via messengers (Viber, Telegram, WhatsApp) or e-mail (at the teacher's choice) during working hours.

8. Educational resources

Educational and methodological support of the discipline is published on the website of the department (<https://www.vnmue.edu.ua/en/department/department/50>). Consultations are held twice a week according to the schedule.

1. **The time schedule and distribution of groups** with assigned teachers are published on the webpage of the department (<https://www.vnmue.edu.ua/en/department/department/50>).

2. **The question to the final control** of the discipline are published on the web page of the department – link <https://www.vnmue.edu.ua/> - Department of Internal and Family Medicine/ for students/ full-time education/ medicine/ 6th course/ General Practice for the profile general practice-family medicine

The syllabus of the discipline “General practice – Family medicine” was discussed and approved at the meeting of the department of internal and family medicine (record № 1, dated "29" August 2024)

Responsible for the academic discipline



Ass. prof. Chernova I.V.

Head of the department



Prof. Paliy I.G.