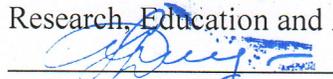


National Pirogov Memorial Medical University, Vinnytsya

“APPROVE”

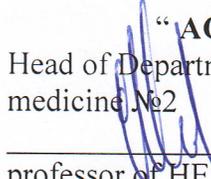
Vice – Rector of higher education institution  
Research, Education and Academic Affairs

  
professor of HEI Oksana  
SEREBRENNIKOVA

“31” 08 2022 year

“AGREED”

Head of Department of internal  
medicine №2

  
professor of HEI Serhii SHEVCHUK

“30” 08 2022 year

**SYLLABUS**  
**academic discipline**  
**"INTERNAL MEDICINE"**

Specialty	222 Medicine
Educational level	Master's degree
Educational program	OPP "Medicine", 2020
Academic year	2022-2023
Chair	Internal Medicine No. 2
Lecturer	Professor of HEI Serhii SHEVCHUK, professor of HEI Nadiya MASIK, Ass-professor of HEI Olena KOROBKO, Ass-professor of HEI Iryna ILYUK, Assistent Inna KUVIKOVA, Ass-professor of HEI Dmytro LYSENKO.
Contact Information	<i>intmed2@vnm.edu.ua</i> , <i>St. 56 Pirogov Street (morphology building),</i> <i>(0432)570379</i>
Compiler of the syllabus	Ass-professor of HEI Olena KOROBKO

## 1. Status and structure of the discipline

Discipline status	Mandatory
Code of discipline in OPP and place of discipline in OPP	OK 30, a component of the cycle of disciplines of general training
Course/semester	4th year (VII-VIII semesters)
Scope of the discipline (total number of hours/ number of ECTS credits)	180 hours / 6.0 ECTS credits
The structure of the discipline	Lectures - 10 p.m Practical classes - 92 hours Independent work - 66 hours In general: classroom classes - 63.3%, independent work outside the classroom - 36.7%
Number of content modules	4
Language of teaching	Ukrainian
Form of education	Full-time (when implementing quarantine measures or security measures under martial law - remote)

### 1. Description of the discipline

**Short abstract of the course, relevance.** The subject area of the program is the study of the basics of internal medicine according to its main sections, while the emphasis is on the study of etiology, pathogenesis, clinic, diagnosis, treatment and prevention of the main and most common diseases of internal organs, gaining knowledge from such sections as gastroenterology, pulmonology, nephrology and general issues of internal medicine, formation of practical skills and abilities: taking anamnesis, conducting an objective examination of patients, drawing up an examination plan, interpreting the results obtained during the examination, prescribing treatment according to modern standards, and developing measures to prevent diseases of the digestive, respiratory, and urinary systems.

**Prerequisites.** The study of the discipline "internal medicine" is based on knowledge of the main natural and scientific disciplines: human anatomy, medical biology, histology, cytology and embryology, pathomorphology, physiology, pathophysiology, medical and pathological physics, bioorganic and biological chemistry, microbiology, virology and immunology, pharmacology, clinical pharmacology and clinical pharmacy, radiology and radiation medicine, propaedeutics of internal medicine and integrates with these disciplines.

**The purpose of the course and its importance for professional activity.** The purpose of the discipline is to acquire and deepen knowledge, skills, and other competencies in internal medicine necessary for professional activity, which are established on the basis of the specialist's educational and professional program.

#### Post-requisites.

In the process of studying the discipline, the foundations are laid for students to study internal medicine, which involves the integration of teaching with endocrinology, phthiology, clinical immunology, infectious diseases, surgery, obstetrics and gynecology, oncology and the application of knowledge from the above disciplines in the process of further education and in professional activities.

### 2. Learning outcomes.

After successfully studying the discipline, the applicant will be able to:

1. Skills of interviewing a patient with pathology of the respiratory, digestive and genitourinary systems.
2. The ability to determine the necessary list of laboratory and instrumental studies and evaluate their results in a patient with pathology of the respiratory, digestive and genitourinary systems.
3. The ability to establish a preliminary and clinical diagnosis of a patient with pathology of the respiratory, digestive and genitourinary systems.
4. The ability to determine the necessary regime of work and rest in the treatment of diseases of the respiratory, digestive and genitourinary systems.

5. The ability to determine the nature nutrition in the treatment of diseases of the respiratory, digestive and genitourinary systems.
6. Ability to determine the principles and nature of treatment of diseases of the respiratory, digestive and genitourinary systems.
7. The ability to diagnose emergency conditions in patients with pathology of the respiratory, digestive and genitourinary systems.
8. The ability to determine the tactics of providing emergency medical care to a patient with pathology of the respiratory, digestive and genitourinary systems.
9. Skills of providing emergency medical care to a patient with pathology of the respiratory, digestive and genitourinary systems.
10. Skills in performing medical manipulations of a patient with pathology of the respiratory, digestive and genitourinary systems.
11. The ability to determine the management tactics of a patient with pathology of the respiratory, digestive and genitourinary systems, subject to dispensary supervision.
12. The ability to conduct an examination of the working capacity of a patient with pathology of the respiratory, digestive and genitourinary systems.
13. Ability to maintain medical documentation of a patient with pathology of the respiratory, digestive and genitourinary systems.

3. **Content and logistics of the discipline**

Module 1. Internal medicine	7-8 semester 180 hours/6.0 credits	Lectures No. 1-11 Practical classes No. 1-46 Topics for self-study No. 1-11
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The discipline includes 31 topics, which are divided into 4 content modules.

**Content module No. 1: Basics of diagnosis, treatment and prevention** main diseases of respiratory organs

Topic 1. Main symptoms in pulmonology. Research methods in pulmonology

Topic 2. Chronic obstructive pulmonary disease

Topic 3. Bronchial asthma

Topic 4 Non-hospital pneumonias

Topic 5. Hospital pneumonia

Topic 6. Pleurisy

Topic 7. Infectious and destructive lung diseases

Topic 8. Respiratory failure

**Content module No. 2. Basics of diagnosis, treatment and prevention of the main diseases of the digestive organs**

Topic 9 Main symptoms of gastroenterological pathology. Research methods in gastroenterology

Topic 10. Gastroesophageal reflux disease

Topic 11. Dyspepsia. Chronic gastritis

Topic 12. Peptic ulcer of the stomach and duodenum

Topic 13. Celiac disease and other enteropathies

Topic 14. Inflammatory bowel diseases. Irritable bowel syndrome

Topic 15. Gallstone disease, chronic cholecystitis and functional disorders of the biliary tract

Topic 16. Chronic hepatitis

Topic 17. Cirrhosis of the liver

Topic 18. Chronic pancreatitis

**Content module 3. Basics of diagnosis, treatment and prevention of the main diseases of the genitourinary system**

Topic 19. Main nephrological symptoms and research methods in nephrology.

Topic 20. Glomerulonephritis.

Topic 21. Pyelonephritis.

Topic 22. Tubulo-interstitial nephritis, amyloidosis of the kidneys.

Topic 23. Nephrotic syndrome.

Topic 24. Chronic kidney disease.

**Content module 4. "General questions of internal medicine"**

Topic 25. Obesity. Etiology, pathogenesis. Classification. Treatment. Metabolic syndrome, diabetes, cardiovascular and gastroenterological diseases as consequences of obesity.

Topic 26. Diagnosis and treatment of the elderly. Primary and secondary prevention of internal diseases. Methodology of evidence-based medicine and clinical epidemiology. Randomized clinical trials of medicines.

Topic 27. Curation and protection of medical history.

Topic 28. Control of practical skills

Topic 29. Computer test control.

The topics of the lecture course reveal the problematic issues of the relevant sections of internal medicine.

Practical classes involve theoretical substantiation of the main issues of the topic and the acquisition of the following practical skills:

1) conducting a survey of a patient with diseases of internal organs, conducting a clinical examination, prescribing an examination plan and interpreting the obtained results of laboratory and instrumental studies, determining the leading syndrome of the disease, the ability to establish a clinical diagnosis according to modern classifications of diseases of internal organs, to carry out a differential diagnosis with other diseases, to prescribe treatment and preventive measures;

2) solving situational problems in internal medicine, which have a clinical and diagnostic direction.

In practical classes, students analyze the subject of the practical class, conduct a clinical examination of the thematic patient, and solve clinically-oriented situational problems and test problems.

The student's independent work involves preparing for practical classes and developing practical skills, studying topics for independent extracurricular work, preparing presentations, tables, studying scientific literature and writing reviews on the given topics for individual work. Control of learning the topics of independent work outside the classroom is carried out at the final control of the discipline.

Thematic plans of lectures, calendar plans of practical classes, thematic plan of independent work outside the classroom, scope and directions of individual work are published on the website of the department.

The route of receiving materials: Department of Internal Medicine No. 2/Student/Full-time study/Medicine/4th year/Educational and methodological materials/ or via the link [https://www.vnm.edu.ua/Department of Internal Medicine #2#](https://www.vnm.edu.ua/Department%20of%20Internal%20Medicine%20#2#). Access to the materials is carried out from the student's corporate account s000XXX@vnm.edu.ua.

**4. Forms and methods of monitoring learning success**

Current control in practical classes	Methods: oral or written survey, testing, electronic survey, solving situational problems, pconducting a clinical examination of the thematic patient, with the appointment of an examination and treatment plan.
Final semester control (credit) at the end of the 7th semester	According to the regulations on the organization of the educational process at VNMU named after E. Pirogov (link <a href="https://www.vnm.edu.ua/Yamschenkainformation/Maindocuments">https://www.vnm.edu.ua/Yamschenkainformation/Main documents</a> )
The final control of the discipline is an exam	Methods: pre-examination testing, oral interview (according to the regulations on the organization of the educational process at M.I. Pirogov VNMU (link <a href="https://www.vnm.edu.ua/Yamschenkainformation/Maindocuments">https://www.vnm.edu.ua/Yamschenkainformation/Main documents</a> ))
Means of diagnostics of learning success	Theoretical questions, tests, clinically-oriented situational tasks, practical tasks, demonstration of practical skills

### 5. Evaluation criteria

Assessment of knowledge is carried out in accordance with the Regulation on the organization of the educational process at VNMU named after E. Pirogov ([linkhttps://www.vnmu.edu.ua/Yamschenkainformation/Main documents](https://www.vnmu.edu.ua/Yamschenkainformation/Main%20documents))

Current control	According to the four-point system of traditional evaluations: 5 "excellent", 4 "good", 3 "satisfactory", 2 "unsatisfactory"
Control of practical skills	According to the four-point system of traditional evaluations
Test	On a 200-point scale (the average arithmetic grade for the semester is converted into points) Scored: from 122 to 200 points Not admitted: less than 122 points (see Grading scale)
Final control of discipline	Sum of points for pre-examination testing (6-15 points), medical history defense (6-10 points), practical skills (8-10 points) and oral interview (30-45 points) Exam grade: 71-80 points - "excellent" 61-70 points - "good" 50-60 points - "satisfactory" Less than 50 points - "not satisfactory"/failed
Evaluation of discipline:	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 grade for the discipline Final control - from 50 to 80 points: 40% of the grade for the discipline Individual work - from 1 to 12 points Total from 122 to 200 points.

### Discipline assessment scale: national and ECTS

The sum of points for all types of educational activities	ECTS assessment	Evaluation on a national scale	
		for an exam, course project (work), practice	for credit
180-200	AND	perfectly	counted
170-179.9	IN	fine	
160-169.9	WITH		
141-159.9	D	satisfactorily	-
122-140.99	IS	satisfactorily	
120-140.99	IS	-	counted
119-61	FX	unsatisfactory with the possibility of reassembly	not counted with the possibility of retaking
1-60	F	unsatisfactory with mandatory repeated study of the discipline	not enrolled with mandatory repeated study of the discipline

### Criteria for evaluating student knowledge

#### Evaluation of oral/written response during ongoing control

**Excellent rating** is presented to a student who has deeply and comprehensively mastered the theoretical material, competently and logically teaches it. He can freely use Latin

terminology, clearly answers non-standard questions on the topic of the lesson, knows how to connect the material of this topic with previously studied sections, which indicates mastery of the recommended literature and the ability to analyze the studied material, and also clearly demonstrates the value of the acquired theoretical knowledge for practical of medicine

**Rating "good"** presented to a student who knows and has a good command of the theoretical material, teaches it competently, does not allow inaccuracies in the answer, knows how to reveal the topic from the standpoint of its medical significance and practical application, but at the same time the answers do not go beyond the textbook and methodical recommendations.

**Rating "satisfactory"** is given to a student who knows the basic concepts and definitions of the studied topic, but makes significant inaccuracies or has difficulties in formulating an answer, does not understand the medical aspects of the topic, cannot connect theoretical material with practice.

**Rating "unsatisfactory"** is presented to a student who does not know the theoretical foundations of the topic, makes gross mistakes when answering, does not understand basic concepts and definitions, cannot explain the meaning of theoretical material for practical medicine.

### **Evaluation of the performance of practical skills during the current control**

The grade "excellent" is given to a student who knows the method of consistent physical examination of a patient, makes a clear conclusion based on the results of additional examinations, demonstrates knowledge of the reference values of laboratory parameters, interprets the results of instrumental examinations.

A grade of "good" is given to a student who admits inaccuracies in collecting complaints, medical history, life history, physical examination methodology, establishing a preliminary diagnosis, drawing up an examination and treatment plan, interpreting the results of laboratory and instrumental examinations, but is able to independently identify mistakes made.

A grade of "satisfactory" is assigned to a student who knows the basics of a practical task, but experiences difficulties in performing practical skills in collecting complaints, anamnesis, physical examination, does not have knowledge of the sequence of practical skills, cannot fully interpret the results of the conducted research, makes mistakes in drawing up an examination and treatment plan.

The grade "unsatisfactory" is given to a student who cannot demonstrate the performance of practical skills, experiences significant difficulties in performing practical skills, violates the order of performance, does not know the reference values of indicators, does not know how to interpret the results of instrumental examinations, does not know the principles of examination and treatment.

### **Evaluation of the performance of test tasks during the current control**

**Excellent rating** is issued to a student who during the test control is allowed no more than 10% of incorrect answers (the amount of correct answers is 90-100%). When solving clinically oriented test tasks, provides correct answers to all test questions.

**Rating "good"** is issued to a student who makes no more than 20% mistakes during test control. (the amount of correct answers is 80-89%). When solving clinically oriented test tasks, provides correct answers to most of the test questions.

**Rating "satisfactory"** is presented to a student who makes mistakes in no more than 40% of test tasks (the range of correct answers is 60.5-79%). When solving clinically-oriented test tasks, he gives correct answers only to some questions before the test.

**Rating "unsatisfactory"** is issued to a student who correctly solves less than 60% of the test tasks during the test survey. When solving clinically oriented test tasks, he cannot provide correct answers to the test questions.

### **Evaluation of the oral answer during the final control (exam)**

The grade "Excellent" is given for work in which the student answered all the questions correctly. The answers are deep, meaningful and specific. The student should know the features of clinical manifestations of diseases of internal organs, the general principles of diagnosis and treatment.

The grade "Good" is given for the work in which the student correctly answered 75% of the questions and showed sufficiently meaningful knowledge of those questions that reflect the main sections of the curriculum. The student should know the features of clinical manifestations of diseases of internal organs, the general principles of diagnosis, treatment and prevention.

The grade "Satisfactory" is given for work in which the student answered 50% of the questions correctly. The answers are incomplete, mostly limited to a simple list of components, signs, traits, without the smallest details. The student must have a mandatory minimum knowledge of theoretical and practical knowledge of pathologies of internal organs.

The rating "Unsatisfactory" is issued for work in which the student did not give a single correct answer or gave only an approximate answer to two questions. The student does not have the mandatory minimum knowledge of internal medicine.

The calculation of individual points is carried out on the basis of the Regulation on the organization of the educational process at the Vinnytsia National Medical University named after E. Pirogov (Vinnytsia, 2020). (link [https://www.vnmu.edu.ua/General information/Basic documents](https://www.vnmu.edu.ua/General%20information/Basic%20documents))

*12 points*- are added to the grade in the discipline of a student who received a prize at an inter-university Olympiad in a discipline or a prize at an All-Ukrainian competition of student scientific works or a prize at an inter-university/international scientific conference with the presence of a printed work

*11 points*- are added to the evaluation of the discipline of a student who received 1st place at the intra-university Olympiad in the discipline or 1st place at the student scientific conference with the presence of a printed work, or participated in the All-Ukrainian competition of student scientific works

*10 points*- are added to the evaluation of the discipline of a student who received a prize (II-III) at an intramural Olympiad in the discipline or at a student scientific conference with the presence of a printed work; or for participation (without a prize place) in interuniversity Olympiads in the discipline or a prize place at an interuniversity/international scientific conference with the presence of a printed work.

*9 points*- are added to the grade for the discipline of a student who participated (without a prize) in an intramural Olympiad in the discipline or a student scientific conference with the presence of a printed work

*8 points*- are added to the grade for the discipline of a student who actively participated in the work of a student scientific group, published a printed work based on the results of scientific and practical research, but did not personally participate in a student scientific conference, prepared a poster report.

*6-7 points*- are added to the evaluation of the discipline for a student who produced at least 20 micropreparations or at least 3 tables, or an educational video to supplement the visual support for teaching the discipline (taking into account the scope and importance of the work performed).

*3-5 points* are added to the grade for the discipline of a student who has produced at least 10 micropreparations or at least 2 tables, or has created a thematic illustrated presentation of a specific causative agent of an infectious disease (at least 2) to supplement visual support for teaching the discipline (taking into account the scope and importance of the work performed).

#### **Academic discipline/course policy**

The student has the right to receive high-quality educational services, access to modern scientific and educational information, qualified advisory assistance during the study of the discipline and mastery of practical skills. The policy of the department during the provision of educational services is student-centered, based on regulatory documents of the Ministry of

Education and the Ministry of Health of Ukraine, the university charter and the procedure for providing educational services, regulated by the basic provisions of the organization of the educational process at VNMU named after E. Pirogov and principles of academic integrity.

**Observance of the rules of procedure of the VNMU, safety equipment** when conducting educational classes, the student must follow the rules of safe behavior in a medical and preventive institution, including when working with medical equipment.

**Requirements for preparation for practical classes.** The student must be prepared for the practical session, the test tasks for the current topic must be solved in the workbook.

You should come to class on time, without being late. A student who is more than 10 minutes late for class is not allowed to attend the last class and must complete it in the prescribed manner.

During practical classes, the student must be dressed in work uniform (medical gown, cap, change of shoes, mask if necessary). Students who do not have a work uniform, a change of shoes and a mask are not allowed to attend class.

The student must observe safety rules during practical classes and during his stay in the premises of the department.

During the discussion of theoretical issues, students should demonstrate tolerance, courtesy and respect for their colleagues and the teacher; when performing practical tasks, the workplace must be kept in order and cleaned after the end of the lesson.

**Use of mobile phones and other electronic devices.** The use of mobile phones and other electronic devices in class is allowed only during electronic testing or surveys.

**Academic integrity.** While studying the discipline, the student must be guided by the Code of Academic Integrity of VNMU named after E. Pirogov ([https://www.vnmdu.edu.ua/general-information/Main documents/ Code of academic integrity](https://www.vnmdu.edu.ua/general-information/Main%20documents/Code%20of%20academic%20integrity)). If the norms of academic integrity are violated during the current and final examinations, the 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 grade.

**Skipping classes.** Missed classes are made up in accordance with the procedure established in the Regulations on the Organization of the Educational Process at VNMU named after E. Pirogov (link [https://www.vnmdu.edu.ua/ General information/Basic documents](https://www.vnmdu.edu.ua/Generalinformation/Basic%20documents)) at the time determined by the practice schedule (published on the department's website [https://www.vnmdu.edu.ua/Department of Internal Medicine No. 2#](https://www.vnmdu.edu.ua/Department%20of%20Internal%20Medicine%20No.%202#)) to the regular teacher. In order to make up for the missed class, the student must answer questions on the subject of the class in writing or orally. Workup of missed lectures is carried out after providing a synopsis of the lecture material, or writing an informative message or preparing your own presentation on the topic of the missed lecture.

**The procedure for admission to the final control** of the discipline listed in the Regulation on the organization of the educational process at VNMU named after E. Pirogov (link [https://www.vnmdu.edu.ua/ General information/Main documents](https://www.vnmdu.edu.ua/Generalinformation/Main%20documents)). Students who have not missed unworked practical classes and lectures and have received an average traditional grade of at least "3" are admitted to the final examination.

**Additional individual points.** A student can receive individual points from the discipline for individual work, the scope of which is published on the department's website in the teaching and methodical materials of the discipline, the number of points is determined based on the results of the IRS according to the Regulations on the Organization of the Educational Process at VNMU named after M. I. Pirogov (ref [https://www.vnmdu.edu.ua/ General information/Main documents](https://www.vnmdu.edu.ua/Generalinformation/Main%20documents)).

**Resolution of conflict issues.** In the event of misunderstandings and claims against the teacher due to the quality of educational services, knowledge assessment and other conflict situations, the student must first notify the teacher of his/her claims. If the conflict issue is not resolved, the student has the right to submit an appeal to the head of the department in accordance with the Regulation on consideration of appeals by applicants for higher education at VNMU named after M. I. Pirogov ([https://www.vnmdu.edu.ua/ General information/Main documents](https://www.vnmdu.edu.ua/Generalinformation/Main%20documents)).

**Policy in the conditions of distance learning.** The distance learning procedure is regulated by the Regulation on the introduction of elements of distance learning at VNMU named after E. Pirogov ([https://www.vnmu.edu.ua/Generalinformation/Main documents](https://www.vnmu.edu.ua/Generalinformation/Main%20documents)). The main training platforms for conducting training sessions are Microsoft Team, Google Meets. The procedure for conducting practical classes and lectures, exercises and consultations during distance learning is published on the web page of the department ([https://www.vnmu.edu.ua/Department of Internal Medicine No. 2 / To the student](https://www.vnmu.edu.ua/Department%20of%20Internal%20Medicine%20No.%202%20To%20the%20student) or [https://www.vnmu.edu.ua/Department of Internal Medicine No. 2/News](https://www.vnmu.edu.ua/Department%20of%20Internal%20Medicine%20No.%202/News)).

**Feedback** with the teacher is carried out through messengers (Viber, Telegram, WhatsApp) or e-mail (at the choice of the teacher) during working hours.

6. **Educational resources** Educational and methodological support of the discipline is published on the website of the department. The route of receiving materials [https://www.vnmu.edu.ua/Department of Internal Medicine No. 2/ To the student](https://www.vnmu.edu.ua/Department%20of%20Internal%20Medicine%20No.%202/To%20the%20student).

**I. Basic literature:**

1. «Негоспітальна пневмонія у дорослих осіб: етіологія, патогенез, класифікація, діагностика, антимікробна терапія та профілактика». Адаптована клінічна настанова. Київ, НАМН України, 2019.
2. 30 невідкладних станів у терапії: Навчальний посібник / За ред. проф. Ю.М. Мостового. – Київ: Центр ДЗК, 2017 – 128 с.
3. Адаптована клінічна настанова, заснована на доказах «Негоспітальна пневмонія у дорослих осіб: етіологія, патогенез, класифікація, діагностика, антимікробна терапія та профілактика». – Київ, Національна академія медичних наук України, 2019
4. Адаптована клінічна настанова, заснована на доказах Бронхіальна астма. – Київ, Національна академія медичних наук України, 2020.
5. Баженов Е., Ахмедов В., Остапенко В. Клинико-фармакологические основы современной пульмонологии. – Бином. – 2015. – 360 с.
6. Бронхіальна астма : адаптов. клініч. настанова, заснована на доказах / Нац. ін-т фтизіатрії і пульмонології ім. Ф. Г. Яновського, Нац. мед. акад. післядиплом. освіти ім. П. Л. Шупика, Асоц. фтизіатрів і пульмонологів України ; уклад.: Ю. І. Фещенко, Д. М. Бойко, В. К. Гаврисюк [та ін.]. – Вид. офіц. – Київ : НАМН України, 2019. – 113 с.
7. Бронхіальна астма. Адаптована клінічна настанова. Київ, НАМН України, 2020
8. Внутрішні хвороби. У 2 т. Т. 1 / Л.В.Глушко, С.В.Федоров, І.М. Скрипник, М.М. Островський/ За ред. проф. Л.В.Глушка. – К.: ВСВ «Медицина», 2019. – 680 с.
9. Внутрішні хвороби: Підручник, заснований на принципах доказової медицини 2018/19 / Керівник проекту Александра Кубец, гол. ред. Адріана Яремчук-Кочмарик, Анатолій Свінцицький; пер. з польск. – Краків: Практична медицина, 2018. – 1632 с.
10. Гастроентерологія: підручник у 2-х томах / За редакцією Харченко Н.В., Бабака О.Я. – 2-е вид., переробл., доповн. – Кіровоград: Поліум, 2017. – Т. 2. – 432 с., іл.,табл.; 4 стор. кольор. вкл.
11. Денесюк В.І., Денесюк О.В. Внутрішня медицина. Підручник для студентів закладів вищої освіти III-IV рівня акредитації та лікарів післядипломної освіти на основі рекомендацій доказової медицини / За ред. В.М. Коваленка. – К.: МОПІОН, 2019. – 960 с.
12. Кишенькове керівництво Глобальної стратегії діагностики, лікування та профілактики ХОЗЛ Global Initiative for Chronic Obstructive Lung Disease, GOLD, перегляд 2019 р. / Клінічна імунологія. Алергологія. Інфектологія. 2019. №7(120). С.52-68.
13. Клінічна пульмонологія : навч. посіб. / І.М.Скрипник, Н.Л. Соколюк, О.Ф.Гопко; ВДНЗУ «УМСА». – Полтава: ТОВ « Фірма «Техсервіс», 2016. – 260 с. ISBN978-617-7038-45-9.
14. Клінічні протоколи надання медичної допомоги. Медицина невідкладних станів : [зб. док.] / Департамент охорони здоров'я викон. органу Київ. міськради (Київ.

- міськдержадмін.), Київ. міськ. наук. інформ.-аналіт. центр мед. статистики ; [відп. ред. Т. В. Марухно]. - Київ : МНІАЦ мед. статистики : Медінформ, 2015. - 273 с. : рис., табл. - (Нормативні директивні правові документи)
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  18. Наказ МОЗ України від 11.02.2016 №90 «Про затвердження та впровадження медико-технологічних документів зі стандартизації медичної допомоги при запальних захворюваннях кишечника». Уніфікований клінічний протокол первинної, вторинної (спеціалізованої), третинної (високоспеціалізованої) медичної допомоги «Запальні захворювання кишечника (хвороба Крона, виразковий коліт)».
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  21. Уніфікований клінічний протокол екстреної, первинної, вторинної (спеціалізованої) та третинної (високоспеціалізованої) медичної допомоги та медичної реабілітації при вірусному гепатиті В у дорослих. Наказ Міністерства охорони здоров'я України 21.06.2016 № 613.
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## **II. Supporting literature:**

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2. Губергріц Н.Б., Харченко Н.В. Хронічні гепатити та цирози печінки: навч. посібник. за ред. проф. Н.Б. Губергріц, Н.В. Харченко.- Кіровоград: Поліум. - 2015. – 343 с.
3. Губергріц Н.Б., Харченко Н.В. Хронічні гепатити та цирози печінки: навч. посібник. за ред. проф. Н.Б. Губергріц, Н.В. Харченко.- Кіровоград: Поліум. - 2015. – 343 с.
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5. Очерки клинической пульмонологии [Текст] / Под ред. В. К. Гаврисюка. - Киев, 2016. 336 с.
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7. Пиманов С.И., Силивончик Н.Н. Римские IV рекомендации по диагностике и лечению функциональных гастроэнтерологических расстройств: пособие для врачей. М., 2016.- 160 с.
8. Davidson's Principles and Practice of Medicine 23rd Edition. Editors: Stuart Ralston, Ian Penman, Mark Strachan Richard Hobson. Elsevier. - 2018. – 1440p.
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10. Жебель В.М.; Каніковський О.Є., Гуменюк А.Ф. Виразкова хвороба (пептична виразка) очима терапевта та хірурга: Навчальний посібник - Вінниця, 2008.
11. Впровадження діагностичних, прогностичних та лікувальних шкал з внутрішньої медицини у навчальний процес підготовки студентів та лікарів післядипломної освіти. Навчальний посібник // За редакцією проф. В.І. Денесюка, проф. Р.Г. Процюка. - Київ: Центр ДЗК, 2017 – 168 с.
12. Діагностичні, лікувальні та профілактичні алгоритми з внутрішньої медицини: навчально-методичний посібник. // За редакцією проф. В.І. Денесюка. - Київ: Центр ДЗК, 2015 – 152 с.
13. Катеринчук ІП. Клінічне тлумачення й діагностичне значення лабораторних показників у загально-лікарській практиці: навчальний посібник. 2-е вид. Київ: Медкнига; 2018. 228 с.
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15. Свінціцький А. С. Методи діагностики в клініці внутрішньої медицини : [навч. посіб. для лікарів-інтернів і студентів мед. закл. вищ. освіти] / А. С. Свінціцький. – Київ : Медицина, 2019. – 1008 с.
16. Сучасні підходи до лікування гострої емпієми плеври (огляд літератури) / О. Ю.Троніна // Шпитальна хірургія. Журнал імені Л. Я. Ковальчука. - 2017. - № 4. - С. 102-108. - Режим доступу: [http://nbuv.gov.ua/UJRN/shpkhir\\_2017\\_4\\_21](http://nbuv.gov.ua/UJRN/shpkhir_2017_4_21)
17. Хроническое обструктивное заболевание легких, многообразие системных проявлений : монография / А. И. Гоженко [и др.]. - Одесса : Фенікс, 2015. - 161 с. : рис., табл.
18. **III. Informational resources:**
1. **National Pirogov Memorial Medical University:** <http://vnmu.edu.ua>
  2. Email address of the website of the university library: <http://library.vnmu.edu.ua>
  3. Testing center <https://www.testcentr.org.ua/uk/>
  4. Ministry of Health of Ukraine <https://moz.gov.ua/>
  5. Public Health Center of the Ministry of Health of Ukraine <https://phc.org.ua/kontrol-zakhvoryuvan>
  6. State registry of medical devices [www.moz.gov.ua](http://www.moz.gov.ua)
  7. Unified patient management protocols [www.moz.gov.ua](http://www.moz.gov.ua)
  8. <https://www.aasld.org/>
  9. <http://www.eagen.org/>
  10. <http://www.ers-education.org/guidelines.aspx>
  11. <https://ehaweb.org/organization/committees/swg-unit/scientific-working-groups/structure-and-guidelines/>
  12. <http://www.gastro.org/guidelines>
  13. [www.ginasthma.org](http://www.ginasthma.org)
  14. <http://goldcopd.org>
  15. [http://www.ifp.kiev.ua/index\\_ukr.htm](http://www.ifp.kiev.ua/index_ukr.htm)
  16. <http://mtd.dec.gov.ua/index.php/uk/>

17. <https://www.nice.org.uk>
18. <http://www.oxfordmedicaleducation.com/>
19. <http://ukrgastro.com.ua/>
20. [21. https://www.sccm.org/Research/Guidelines](https://www.sccm.org/Research/Guidelines)
21. **Ошибка! Недопустимый объект гиперссылки.**
22. <https://www.umj.com.ua/>
23. Open educational resource Empendium. Access mode: <https://empendium.com/ua/>
24. Australian Bulletin of Adverse Drug Reactions.  
<http://www.tga.health.gov.au/adr/aadrb.htm>.
25. British Monthly Bulletin on the Safety of Medicines  
<http://www.mhra.gov.uk/Publications/Safetyguidance/DrugSafetyUpdate/index.htm>.
26. Lectures for postgraduate education "Principles of clinical pharmacology" of the Clinical Center of the US National Institutes of Health.  
<http://www.cc.nih.gov/researchers/training/principles.shtml>.
27. Interregional society of evidence-based medicine specialists:  
<http://www.osdm.org/index.php>
28. Herald of evidence-based medicine: <http://www.evidence-update.ru>
29. European Society of Clinical Pharmacologists and Pharmacotherapists:  
<http://www.eacpt.org>
30. On-line registration of adverse drug reactions on the FDA website.  
<https://www.accessdata.fda.gov/scripts/medwatch/medwatch-online.htm>.
31. Drug interaction resource: <http://medicine.iupui.edu/flockart/>
32. Pubmed portal: <https://pubmed.ncbi.nlm.nih.gov/>
33. UpToDate: <https://www.uptodate.com/home>
34. British Medical Journal Learning: <https://new-learning.bmj.com/>
35. Center for Disease Control: <https://www.cdc.gov/>
36. Medical calculators: <https://www.mdcalc.com/>
37. Body mass index calculator: <https://www.bmi-calculator.net/>

Lecture presentations, Methodological recommendations for practical classes and SRS, Consultations (twice a week according to the consultation schedule)

7. **Schedule and distribution of groups by teachers** published on the web page of the department (<https://www.vnmu.edu.ua/> department of internal medicine No. 2/ to the student).
8. **Questions about the final control of discipline** published on the web page of the department (<https://www.vnmu.edu.ua/> department of internal medicine No. 2/ to the student).

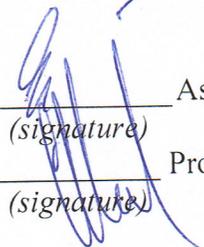
The syllabus for the discipline "Internal Medicine" was discussed and approved at the meeting of the Department of Internal Medicine No. 2 (protocol No. 1, dated "30" 08 2022)

Responsible for the course

  
(signature)

Ass-professor of HEI Olena KOROBKO

Head of the Department

  
(signature)

Professor of HEI Serhii SHEVCHUK