

**Odessa National Medical University**  
**Department of Internal Medicine #4**

**Course Syllabus**  
**"Internal diseases"**

Amount	360 hours / 12 credits
Semester, year of study	IV semester, 2 year of study
Days, time, place	Mo-Fr, according to the schedule, Department of internal medicine #4
Teacher (s)	Zolotareva N. A., Professor, MD Tikhonova S.A., Professor, MD Yakimenko O.O., Professor, MD Solomko O.V., D.
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Workplace	Military Medical Clinical Center of the Southern Region, Odessa, Pirogovskaya st., 2 WWII Regional Veteran's Hospital, Odessa, Fontanskaya road, 114,
Consultations	Daily, 16:15-18:00

**Communication**

The main part of the training will take place in person at the clinical bases of the department.

Remote communication will take place at:

- the official website of the department ([www.therapy.odmu.edu.ua](http://www.therapy.odmu.edu.ua));
- Microsoft Teams platform (<https://teams.microsoft.com/>);
- info-systems ONMedU (<https://info.odmu.edu.ua/>).

The main e-mail for communication is [max.romanchenko@onmedu.edu.ua](mailto:max.romanchenko@onmedu.edu.ua)  
(head teacher of the department, Romanchenko Maksym Ihorovych)

**During quarantine**, training will take place exclusively on the Microsoft Teams platform (<https://teams.microsoft.com/>)

**The subject of study** of the academic discipline "Internal diseases" is an in-depth study of ethics, methodology, methods of scientific research, current problems of internal diseases.

**Interdisciplinary connections.**

Study by students of normal and pathological clinical anatomy, histology, general and clinical pathological physiology, pharmacology, general pharmacy and clinical pharmacology, propaedeutics of internal diseases, family medicine, radiation diagnostics, which involves integration with these disciplines and forms the ability to apply knowledge in the process of further education and in professional activity.

**The purpose of the course.**

The purpose of the study discipline "Internal Diseases" is the study of internal diseases within the scope of professional specialization, in-depth mastery of the discipline for high-quality performance of original scientific research and the formation of skills and abilities in teaching the discipline.

**Tasks of the discipline:**

- 1) to acquire modern in-depth knowledge of internal medicine and related specialties;
- 2) to study in depth the etiological and pathogenetic factors of the main diseases of internal organs;
- 3) to improve the skills of interviewing and physical examination of patients with major diseases of internal organs;
- 4) master the skills of identifying typical and atypical variants of the course of the main diseases of internal organs and their complications;
- 5) in-depth study of rare syndromes and diseases of internal organs;
- 6) to study in depth the peculiarities of the course of diseases of the respiratory organs, digestion, rheumatological, endocrinological diseases with comorbid and polymorbid conditions;
- 8) be able to form an optimal plan for examining patients in accordance with the standards of providing specialized and highly specialized medical care to patients with major diseases of internal organs, justify the use of basic invasive and non-invasive diagnostic methods and determine indications and contraindications for their implementation, possible complications;
- 9) to master the ability to differentially prescribe non-drug and drug treatment, to carry out primary and secondary prevention for major diseases of internal organs;

- 10) practicing the skills and abilities of analyzing the results of clinical studies and their implementation in practical activities;
- 11) master the ability to organize and conduct training sessions
- 12) acquisition of skills and abilities in educational, methodical and educational work;
- 13) acquire skills in the use of modern information technologies when teaching internal medicine.

### **Expected results**

*Integrative final program learning outcomes, the formation of which is facilitated by the educational discipline:*

- Apply scientific and professional knowledge; to formulate ideas, concepts for the purpose of use in educational and scientific work.
- Demonstrate knowledge of research methodology in general and methods of a certain field of scientific interests, in particular.
- Interpret and analyze information, correctly evaluate new and complex phenomena and problems with scientific accuracy critically, independently and creatively.
- Identify unsolved problems in the subject area of medicine, primarily internal medicine, and determine ways to solve them.
- Formulate scientific hypotheses, the purpose and tasks of scientific research.
- Analyze and synthesize scientific data independently and critically.
- Develop the design and plan of scientific research using appropriate research methods in the field of medicine, internal medicine, in particular.
- Implement and improve modern research methods in the chosen direction of the scientific project and educational activity.
- To invent new methods of diagnosis, treatment and prevention of human diseases.
- Use the results of scientific research in medicine and practice, the educational process and society.
- Interpret the possibilities and limitations of scientific research, its role in the development of the system of scientific knowledge and society as a whole.
- To present the results of scientific research in oral and written form to the scientific community and society as a whole, in accordance with national and international standards.
- Manage the work of a team of students, colleagues, and an interdisciplinary team.
- To organize the training of the participants of the educational process in the performance of scientific and educational activities and to influence their social development.
- Assess the effectiveness of the educational process, recommend ways to improve it.
- Use ethical principles in working with patients, adhere to scientific ethics.

-Demonstrate academic integrity and act responsibly in relation to academics.

### **Recommended Books:**

*For successful learning, you need to have access to the following resources:*

1. Perederii V.G. Basics of internal medicine: a textbook. Volume 2. Diseases of the circulatory system. Rheumatic diseases. Kidney disease. General questions of internal medicine / Perederii V.G., Tkach S.M.– Vinnytsia: New book. 2018. – 640 p.
2. Perederii V.G. Basics of internal medicine: a textbook. Volume 3. Differential diagnosis and management of patients in the clinic of internal medicine. Acute and urgent conditions in the clinic of internal medicine / V.G. Perederii, S.M. Tkach - Vinnytsia: New book. 2018. – 640 p.
3. Cardiovascular diseases. Classification, standards of diagnosis and treatment / Ed. Prof. V.M. Kovalenko, Prof. E. Lutaya, Prof. Y. M. Sirenko. - K.: MORION, 2020. - 240 p.
4. Skibchyk V.A. Practical aspects of modern cardiology. Edition 2. Supplemented. Study guide / V.A.Skybchyk, T.M.Solomenchuk.-Lviv: Ms. 2019.- 416 p.
5. Emergency care in cardiology. Study guide // edited by Dolzhenko M.M. - K. Scientific thought. - 2018. – 412 p
6. Internal diseases: national. textbook. in 2 parts. Part 1. Chapters 1-8 / L.V. Glushko, S.F. Fedorov, I.M. Skrypnyk, M.M. Ostrovsky // edited by L.V. Glushka-K.: Medicine. 2019. - 680 p.
7. Internal medicine: Part 1 and Part 2: textbook for English-speaking students of higher medical schools / ed. by M. A. Stanislavchuk, V. K. Sierkova. - Vinnytsya: Nova Knyha, 2019. - P. 1: Cardiology. Rheumatology. Hematology. - 407 p.
8. Mostovy Yu.M. Modern classifications and standards of treatment of widespread diseases of internal organs. Vinnytsia, 2019. - P. 11 - 62.
9. Rheumatology: teaching. manual / V. G. Psaryova, N. M. Kyrychenko, O. S. Pogorelova [and others]; in general ed. L. N. Prystupy, G. A. Fadeeva. - Sumy: Sumy State University, 2019. - 235 p.
10. Internal medicine: Rheumatology: study guide (university of postgraduate education) / V.E. Kondratyuk, M.B. Jus. - K.: Medicine. 2017. - 272 p.
11. Diagnosis and treatment of rheumatic diseases: study guide / A.S. Svintsitskyi. - K.: Medknyga Publishing House, 2017.–372 p.
12. Nephrology: National textbook / L.A. Pyrig, D.D. Ivanov, O.I. Taran. etc. 2014- 316 p.
13. Gastroenterology. Textbook: In 2 T. -T.1 / edited by Prof. N.V. Kharchenko., O.Ya. groundhog - Kirovohrad: Polium, 2016. - 488 p.

14. Gastroenterology. Textbook: In 2 T. -T.2 / edited by Prof. N.V. Kharchenko., O.Ya. groundhog - Kirovohrad: Polium, 2017. – 432 p.
15. Endocrinology. Textbook. / edited by Y.I. Komisarenko, H.P. Mikhalchyshyn. Vinnytsia: New book, 2020. - 536 p.
16. Hematology. Study guide/ O.O. Gutsalenko. Poltava: Verstka, 2012. — 696 p.

**Additional educational materials** will be posted on the page of the department in the information system of the University ([https://info.odmu.edu.ua/chair/internal\\_medicine4/files](https://info.odmu.edu.ua/chair/internal_medicine4/files))

A more complete list of textbooks, as well as a list of additional electronic resources, is available in the work program for the discipline.

## **Evaluation**

### **Control forms:**

The assessment of current learning activities is standardized.

The student's current educational activity is assessed on a 4-point (traditional) scale, and includes such gradations: "excellent", "good", "satisfactory" and "unsatisfactory".

Evaluation of the educational activities of all students is not required at every practical and seminar lesson. However, in the practical lesson, at least 50% of students must be interviewed.

At the end of the study of the discipline, the current academic performance is calculated as the average score of all the marks received by the student on the traditional scale, rounded to 2 (two) decimal places.

### **Assessment of individual student assignments**

Grades for individual assignments are awarded to a student only if they are successfully completed and reported. The grade is added to current grades.

### **Assessment of independent work**

Independent work, which is provided by the topic of the lesson along with classroom work, is assessed during the current control of the topic in the corresponding lesson. The assimilation of topics that are taken out only for independent work is checked during the exam or differential credit.

## **Final Exam**

The exam is held at the end of the cycle and is also assessed on a 4-point (traditional) scale, including such gradations: "excellent", "good", "satisfactory" and "unsatisfactory". Only those students will be allowed to pass the exam who have no academic debts and have a grade average for current educational activity of at least 3,00 and have successfully passed control of practical skills physical examination of the patient and final testing.

## Final Discipline Evaluation

Score on discipline is determined as the average of current educational activity (the mean current performance) and exam mark (traditional scale), which is acquired evaluating theoretical knowledge and practical skills according to lists defined in discipline program.

Thus evaluation of the discipline consists of two components:

- 50% - the current success (average of all student marks);
- 50% - the score on the exam

The department calculates and puts two marks in a final score chart:

1) Average of all current estimates (calculated as number with two decimals, for example, 4.76); 2) Traditional score on the exam (differentiated test). Of particular methodological importance is the question of converting the result of a student's discipline on a 200-point scale and further ranking on a rating scale (ECTS). This is necessary for the implementation of academic mobility of students, providing the student with the opportunity to continue their studies in this discipline in another university or in another country. The resulting average score for the discipline, multiplied by 40, allows conversion into an assessment on a 200-point scale..

National score	Points
«5»	185-200
«4»	151-184
«3»	120-150

## Course policy

The cycle "Tactics of diagnosis and treatment of the main forms of coronary heart disease" in order to learn to distinguish complex manifestations of coronary heart disease, correctly prescribe examination and treatment; you must repeat all questions of etiology and pathogenesis at home the day before - it will not be discussed in class, but for not knowing this you will receive an unsatisfactory grade.

Each day you will have a new topic, and to prepare for it in the evening, you will prepare SRS topics. If you don't have textbooks, work with them in the university library. Opening hours, library contacts:

[http://libblog.odmu.edu.ua/p/blog-page\\_83.html](http://libblog.odmu.edu.ua/p/blog-page_83.html).

## Deadline policy

- All SIW assignments must be completed before the start of the practical session on the relevant topic.

- Every class missed without a reason should be completed. Working off takes place on Thursdays (one "n / b") and on Saturdays (3 "n / b"). Before practicing, be sure to complete the SIW on this topic.
- In case the lesson is missed for a good reason, the dean of the faculty will give you permission to rework on an individual schedule.

### **Academic Integrity Policy:**

- All tasks, patient examination protocols, testing, reports, examination tasks must be performed by each student individually.
- Joint work on solving complex classroom tasks or SIW is allowed, however, everyone performs the written version of the completed task independently.
- It is allowed to use notes, textbooks, electronic devices during classroom and independent work.
- Plagiarism is prohibited. Those who are found to plagiarize will automatically receive a minimum score on the relevant topic.
- Cheating / prompting / using cheat sheets or technical aids during the exam will result in a “failed” grade, informing the faculty dean of the reasons for such an assessment, and retaking the exam according to the schedule.

### **Attendance and late arrival policy:**

- It is necessary to come to class before it starts, put on a white coat, make sure that you have a phonendoscope, antiseptic, shoe covers, and the necessary study materials.
- In case of being late for the class, you must change your clothes before entering the classroom and enter the class without interrupting it. "N / b" is reworked in a standard manner.

### **Mobile Device Policy:**

- In the classroom, it is allowed to use mobile devices, tablets and laptops exclusively for accessing educational materials and for keeping records.
- All mobile devices must be set to silent mode before the class starts.
- If it is necessary to make / receive a phone call that cannot be postponed, it is allowed to temporarily leave the classroom without interfering with the lesson.