

**Odessa National Medical University**  
**Faculty of Dentistry**  
**Department of Internal Medicine Propaedeutics and Therapy**

**CYLABUS discipline**  
**"Propedeutics of Internal Medicine"**

**COMMUNICATION**

Meeting with students is done by eye exercises in the training room visits eye consultation and / or

volume	Total hours / credits 180 / 16.0
Semester year	V-VI semester, 3 year of study
Place	Department of Propaedeutics of Internal Medicine and Therapy ONMedU, classroom according to the schedule
Teachers	Kravchuk OE, Klochko VV, Dets VV, Bondar VM, Peklina S. B., Efremenkova LN, Tikhonchuk NS, Oliynyk DA, Antipova NM, Smal VD, Serebryakova AA, Kuzmenko NM, Maznichenko EA , Zakritov DO, Zakatova LV, Burdeynuy IV, Korotaeva VA, Markina KV, Kobeleva OM
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Workplace	Classroom according to the teacher
Consultations	Eye consultations: Tuesday 14.00-16.00 Online consultations: Thursday 14.00-16.00 <a href="https://teams.microsoft.com/l/team/19%3a65ba1277d8bd43798be11df5aca6d0cf%40thread.tacv2/conversations?groupId=5794ad99-743b-4664-a508-64c9b5d6dd09&amp;tenantId=64002d9c-27dd-45170f9fcf">https://teams.microsoft.com/l/team/19%3a65ba1277d8bd43798be11df5aca6d0cf%40thread.tacv2/conversations?groupId=5794ad99-743b-4664-a508-64c9b5d6dd09&amp;tenantId=64002d9c-27dd-45170f9fcf</a> .

**COURSE ANNOTATION**

The discipline "Propaedeutics of Internal Medicine" is a mandatory component of the educational and professional training program, studied by students majoring in 222 "Medicine" qualification educational "Master of Medicine", professional

qualification "Doctor" during the 3rd year of study. Semesters: V-VI. The organization of the educational process is carried out according to the European credit transfer system for the organization of the educational process (ECTS).

**The subject of** study of the discipline is the study of the principles of diagnosis of diseases of internal organs.

**Prerequisites** are based on the study by students of medical biology, medical and biological physics (study of the simplest types of physiotherapy), human anatomy (palpation of the pulse, determination of blood pressure, temporary cessation of bleeding), physiology (development of daily routine for patients inpatient functions, the relationship of sympathetic and parasympathetic nervous systems), bioorganic and biological chemistry (use of solutions for measures in the detection of pediculosis), microbiology, virology and immunology (data collection for detailing complaints and structural elements of medical history).

**Postrequisites:** medical biology and biological physics, anatomy and pathological human anatomy, physiology and pathological physiology, pharmacology, microbiology, virology and immunology, internal medicine, general practice and family medicine.

**The purpose of** teaching the discipline "propaedeutics of internal medicine" is to achieve the main ultimate goals defined in the Standard for the training of specialists in the specialty 222 "Medicine" and is the basis for building the content of the discipline.

**Tasks of the discipline:**

- conducting a survey and physical examination of patients and analysis of their results in the clinic of internal medicine;
- analysis of the results of basic laboratory and instrumental research methods;
- identification of leading symptoms and syndromes in the clinic of internal medicine.

**Expected results: to**

- carry out professional activity in social interaction based on humanistic and ethical principles;
- to comply with the norms of sanitary and hygienic regime and safety requirements in carrying out professional activities;
- argue information for decision-making, be responsible for them in standard and non-standard professional situations; adhere to the principles of deontology and ethics in professional activities;
- to carry out professional communication in modern Ukrainian, to use skills of oral communication in a foreign language, analyzing texts of a professional orientation and to translate foreign language information sources;
- to analyze the information received as a result of scientific researches, to generalize, systematize and use it in professional activity.

## **COURSE DESCRIPTION**

## **Form and methods of study**

The course will be presented in the form lectures (30 hours), practical classes (70 hours), independent student work (80 hours). The following teaching methods are used: competence; explanatory-demonstration; reproductive; heuristic.

## **The content of the discipline. Thematic plan of lectures**

Topic 1. Propaedeutics of internal medicine as an introduction to the clinic of internal medicine. Basic methods of examination of patients.

Topic 2. Symptoms of respiratory diseases on the basis of questioning the patient, palpation and percussion of the chest.

Topic 3. Symptoms of respiratory diseases based on lung auscultation.

Topic 4. Symptoms and syndromes based on the study of pulse and blood pressure.

Topic 5. Auscultation of the heart: the main symptoms when listening to normal and pathological heart sounds.

Topic 6. Symptoms and syndromes based on auscultation of heart murmurs.

Topic 7. The main symptoms of diseases and functional disorders of the gastrointestinal tract.

Topic 8. The main symptoms and syndromes of hypertension and coronary heart disease.

Topic 9. Syndrome of heart and vascular insufficiency in diseases of the cardiovascular system.

Topic 10. Hypertension syndrome. Pathophysiological bases. Arterial hypertension. Symptomatology, diagnosis. Atherosclerosis and coronary heart disease. Classification of coronary heart disease. Pathophysiological aspects of development.

Topic 11. Circulatory failure syndrome (acute and chronic). The mechanism of occurrence. Emergency care for acute left ventricular failure. The concept of pulmonary heart .. Acute vascular insufficiency.

Topic 12. The main symptoms and syndromes in diseases of the stomach and intestines. Methods of clinical, laboratory and instrumental research in acute and chronic gastritis, gastric and duodenal ulcers, enteritis and colitis. The main symptoms and syndromes in diseases of the hepatobiliary system. Methods of clinical, laboratory and instrumental examination.

Topic 13. The main symptoms and syndromes of kidney disease. Symptomatology of acute and chronic glomerulonephritis and pyelonephritis.

Topic 14. The main clinical syndromes in blood diseases. Symptomatology and diagnosis of anemia. Myeloplastic syndrome. Symptomatology and diagnosis of leukemia. Hemorrhagic syndrome (hemorrhagic diathesis).

Topic 15. Diabetes mellitus. Diffuse toxic goiter.

### **Thematic plan of practical classes**

Topic 1. Tasks of the Department of Propaedeutics of Internal Medicine. The scheme of the medical history. Interrogation of the patient.

Topic 2. General examination of the patient, individual parts of the body. Diagnostic value of symptoms detected during the examination of the patient.

Topic 3. The main complaints of patients with respiratory diseases. Static and dynamic examination of the chest. Palpation of the chest.

Topic 4. Percussion of the lungs. Methods and techniques of comparative percussion of the lungs.

Topic 5. Percussion of the lungs. Methods and techniques of topographic percussion of the lungs.

Topic 6. Pulmonary auscultation: basic respiratory noises (vesicular and bronchial respiration).

Topic 7. Auscultation of the lungs: additional respiratory noises (crepitation, wheezing noise of friction of the pleura).

Topic 8. Boundary control of physical methods of research of the respiratory system

Topic 9. Interrogation and general examination of patients with pathology of the cardiovascular system. Curation of patients.

Topic 10. Research of pulse and measurement of arterial pressure.

Topic 11. Examination and palpation of the atrial area. Percussion determination of the limits of relative and absolute cardiac dullness.

Topic 12. Auscultation of the heart: heart tones, their splitting, bifurcation, additional tones.

Topic 13. Auscultation of the heart: organic and functional heart murmurs.

Topic 14. Boundary control of physical methods of cardiovascular research.

Topic 15. Methods of registration and decoding of ECG. ECG signs of ventricular and atrial hypertrophy.

Topic 16. ECG signs of automatism and excitability disorders.

Topic 17. ECG signs of conduction disorders. Basics of electropulse therapy.

Topic 18. Boundary control in the acquisition of knowledge on the study of ECG basics.

Topic 19. Questioning and examination of patients with diseases of the digestive system. Examination and superficial palpation of the abdomen.

Topic 20. Deep sliding methodical palpation of the intestine and stomach.

Topic 21. Interrogation of patients with liver and biliary tract disease. Review. Percussion. Palpation. Palpation of the liver and spleen, determination of their size by the method of Kurlov. Differential diagnosis of jaundice. Syndrome of functional insufficiency of liver cells. Portal hypertension. Hepatolienal syndrome.

Topic 22. Examination of patients with kidney and urinary tract disease. Interrogation. Examination, percussion, palpation. Functional study of the kidneys. X-ray examination of the kidneys. Intravenous and retrograde pyelography. Kidney scan. Radioisotope nephrography, kidney biopsy. Examination of the fundus.

Topic 23. Examination of urine. Clinical interpretation of urine analysis. Analysis of data of laboratory research methods: Zymnitsky's, Amburzhe's, Nechiporenko's test, residual nitrogen, etc.

Topic 24. Examination of patients with blood diseases. Interrogation. Review. Palpation. Percussion.

Topic 25. Blood tests. Clinical interpretation of blood tests.

Topic 26. Boundary control of physical examination of the digestive system, urinary and hematopoietic systems.

Topic 27. The main symptoms and syndromes of dry and exudative pleurisy, lung abscess, gangrene, bronchiectasis. Lung cancer. Respiratory failure syndrome in pathology of the bronchopulmonary system.

Topic 28. Pneumonia: Symptoms and syndromes based on clinical-instrumental and laboratory research methods. The main clinical manifestations of bronchitis and bronchial asthma, pulmonary emphysema. Syndromes. Analysis of data of instrumental research methods. The concept of dysfunction of external respiration. Spirography.

Topic 29. Aortic heart disease. Mitral heart disease. The main symptoms and syndromes on the basis of clinical and instrumental methods of examination.

Topic 30. The main symptoms and syndromes of hypertension and symptomatic hypertension. Hypertensive crises. Ischemic heart disease: main symptoms and syndromes in angina and myocardial infarction.

Topic 31. Clinical and instrumental and laboratory studies of patients with chronic gastritis, gastric ulcer and duodenal ulcer. The main symptoms and syndromes. Tumors of the stomach. The main clinical and laboratory manifestations of chronic hepatitis and liver cirrhosis.

Topic 32. The main symptoms and syndromes of kidney disease - acute and chronic glomerulonephritis and pyelonephritis.

Topic 33. The main symptoms and syndromes of anemia. Solving problems by type KROK-2 on symptoms and syndromes in diseases of internal organs.

Symptomatology of leukemia, hemorrhagic diathesis. Diagnosis. Analysis of data of instrumental research methods. Syndromes.

Topic 34. Symptomatology of hypothyroidism, thyrotoxicosis, diabetes Syndromes. Analysis of data of instrumental research methods.

Topic 35. Exam.

### **List of recommended literature**

#### **Main literature:**

1. Sinyachenko OV, Ignatenko GA Propaedeutics of internal medicine in drawings, schemes, tables: Textbook. - Donetsk. - 519 p., - ill., 2012.
2. Shchukin Yu.V. Propaedeutics of internal diseases: a textbook. - Samara: OOO "Typography", 2010. - 336 p.
3. Shulipenko IM Propaedeutics of internal medicine. General semiotics and diagnosis / Textbook. manual for students of VMNZ IV level / IM Shchulinenko. - K: Медицина, 2008. - 303 с.

#### **Additional literature**

1. Internal diseases: Textbook. manual for students. stomat faculties / Ed .. O.O. Yakimenko. - O .:, 2003.
- ODMU2.V.G. Perederiy, SM Weaver. Fundamentals of internal medicine in 3 volumes. Textbook - K., 2009.

### **EVALUATION**

#### ***Assessment of current educational activities***

Assessment of current educational activities is standardized.

The student's current educational activity is assessed on a 4-point (traditional) scale. Types of educational activities of the student, which are subject to evaluation in class, are determined by the department taking into account the specifics of the discipline and the objectives of the study of a particular topic and recorded in the minutes of the department before the school year. At the end of the course, the current performance is calculated as the average score of all grades obtained by the student on a traditional scale, rounded to 2 (two) decimal places.

A grade of "**excellent**" is given if the student knows the content of the lesson and lecture material in full, giving comprehensive answers and teaching the material without errors and inaccuracies, freely solves problems and performs practical skills of varying difficulty.

A grade of "**good**" is given if the student knows the content of the lesson and lecture material almost in full, giving correct but not exhaustive answers to questions. Solves problems and performs practical skills without significant mistakes.

A grade of "**satisfactory**" is given if the student does not know the content of the lesson and lecture material in full. Teaches the material not systematically, but

correctly answers the clarifying questions. Solves problems and performs practical skills with mistakes.

The grade "**unsatisfactory**" is given if the student does not know the content of the lesson and lecture material, solves problems and performs practical skills with significant errors.

#### *Assessment of individual student tasks*

Assessment for individual tasks is charged to the student only if they are successfully completed and defended. The grade is added to the current performance.

#### *Assessment of independent work of students*

Independent work of students, which is provided by the topic of the lesson along with classroom work, is assessed during the current control of the topic in the relevant lesson. Assimilation of topics that are submitted only for independent work is checked during the test.

Only those students who do not have academic debts and have an average score of at least 3.00 for their current academic activity are allowed to take the final attestation.

Maximum current success - 5.0

Minimum number of points for admission to the differential test - 3.0

*Final control* Differential test is conducted in the last lesson of the discipline. It is based on the results of an oral answer to a ticket, which has two theoretical questions and one practical task to demonstrate skills. The examiner is a teacher of the department, according to the individual schedule.

The maximum score is 5.0. Differential credit is considered credited if the student received a score of at least 3.0. The grade in the discipline consists of two components:

- 50% - current performance (arithmetic mean of all student grades);
- 50% score on the differential test.

Further ranking on the rating scale (ECTS) is produced by the information and computer center of the university.

### **Independent work of students**

**The purpose of** independent work of the student in the discipline "Patient care (practice)" is to ensure the preparation of students for professional activities in the care of patients of therapeutic profile and work as nurses in the therapeutic department.

**Withbetrayals independent work of the student** Possession of moral and deontological principles of the medical specialist and principles of professional subordination during care of patients of a therapeutic profile and development of theoretical material according to the plan "Independent work of the student", demonstration and possession of skills of the mode and care of patients with various diseases of a therapeutic profile. filling in reporting documentation;

**Criteria for assessing the** student's independent work meet the general assessment criteria, deadlines for submission of tasks according to the thematic plan "Student's independent work" last lesson on the eve of the test.

## **POLICY OF THE COURSE**

- Mandatory compliance with the academic integrity of students, namely
  - selfperform all activities, tasks, forms of control under the work program of the discipline;
  - references to sources of information in the case of use of ideas, developments, statements, information in the prescribed manner;
  - compliance with the legislation on copyright, intellectual property and related rights;
  - providing timely, reliable information about the results of their own educational (scientific) activities, used research methods and sources of information.
- Unacceptable in the educational process for participants in the educational process are: the
  - use of prohibited aids and / or any technical means (abstracts, smartphones and other gadgets, etc.) during control activities;
  - passing the procedure of control by fictitious persons;
  - use of family or business ties to obtain a positive or higher assessment during the implementation of the form of control, learning outcomes or advantages in scientific work.

For violation of academic charity, students may be held subject to the following academic liability:

- re-assessment;
- appointment of additional control measures;
- re-passing of the relevant educational complex of the educational program;
- conducting additional verification of other works by the infringer;

### **Attendance and lateness policy The**

student must be in the classroom for a time according to the class schedule, pre-dressed in the room to change into a medical gown (which completely covers the outerwear, has long sleeves, is white, clean and ironed) and a medical cap wearing changeable shoes. Additionally, if necessary, wear a medical mask.

Late for classes is not allowed.

**Health status:** students suffering from acute infectious diseases, including respiratory diseases, are not allowed to study.

### **Behavior in the audience.**

The Department of Propaedeutics of Internal Medicine and Therapy is located on the clinical base of ONMed, so it is necessary to be polite to the staff of the clinic and the department, patients, to remain silent.

The student must have a notebook, a pen.



Mobile devices must be with "air" mode on or off before class.