



SYLLABUS OF THE EDUCATIONAL COMPONENT PROPEDEUTICS TO INTERNAL MEDICINE

(title of the educational component)

Speciality: **221 "Dentistry"**

Educational and professional program: **Dentistry**

Component code in the educational program: **EC 17**

Higher education level: **second (master's degree)**

Form of education: **full-time**

Year of study: **2**

Semester(s): **3 (autumn), 4 (spring)**

Type of educational component: **elective**

Academic year: **2025-2026**

Volume: **3 credits ECTS (90 hours)**

Training sessions: **lectures, practical, consultations**

Final control: **credit**

Prerequisites: "Human Anatomy", "Histology,

Cytology and Embryology", "Microbiology,

Virology and Immunology"

Department/Unit: **Department of Propedeutics of Internal Medicine, Nursing and Bioethics,** Aerospace Avenue, 137. Communal non-commercial enterprise "City Clinical Hospital № 13" of Kharkiv City Council, Trinklera Street 3, Regional Clinical Hospital.

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Page of the educational component in the Distance Learning System of KhNMU (Moodle):

<https://distance.knmu.edu.ua/course/view.php?id=802>

DESCRIPTION OF THE EDUCATIONAL COMPONENT

Propedeutics of Internal Medicine is one of the foundational disciplines of the clinical stage of undergraduate medical training, during which students master diagnostic methods for internal diseases. Thus, Propedeutics of Internal Medicine is a clinical educational component that focuses on the methods and techniques of clinical examination, the specifics of professional physician-patient communication, subjective and objective manifestations of diseases (symptoms and syndromes), and the causes and mechanisms of their onset and development (semiology) for the purpose of diagnosis.

The study of this educational component occurs in two logical stages: first, mastering the basic methods of physical, instrumental, and laboratory examination of the patient; followed by learning the primary symptoms and syndromes of the most common internal organ diseases and the rules for establishing a syndromic diagnosis.

PURPOSE OF THE COURSE. The goal is to develop students' foundational clinical thinking and professional competencies in patient examination and assessment of the primary manifestations of internal organ diseases, while adhering to the principles of medical ethics and deontology.

LEARNING OUTCOMES:

- Collect data on patient complaints, medical history, and life history (including occupational history) within a healthcare facility, its department, or at the patient's home, following a standard interviewing scheme and applying knowledge of human anatomy and systems through specific algorithms.
- Evaluate information regarding the patient's condition within a healthcare facility or its department, using standard procedures and knowledge of human anatomy and systems, based on the results of laboratory and instrumental investigations.
- Identify and record the leading clinical symptom or syndrome of a disease.

CONTENT OF THE EDUCATIONAL COMPONENT

List of lecture topics (6 hours):

1. Propedeutics of Internal Medicine as an Introduction to Internal Diseases. Basic Methods of Patient Examination. Medical History Format (Case History Scheme). Physical Examination and its Significance in the Diagnostic Process.
2. Examination of Patients with Cardiovascular Diseases. Key Syndromes in Cardiology.
3. Examination of Patients with Respiratory Diseases. Key Clinical Syndromes in Pulmonology.

List of topics of practical / laboratory classes / seminars (24 hours):

1. Introduction to Internal Medicine. Methods of Patient Examination. Medical History Format. General Physical Examination of the Patient.
2. Methods of Respiratory System Examination. Key Syndromes in Pulmonology.
3. Methods of Cardiovascular System Examination.
4. Key Syndromes in Cardiovascular System Diseases.
5. Methods of Digestive System Examination. Key Syndromes in Gastroenterology.
6. Methods of Urinary System Examination. Key Syndromes in Nephrology.
7. Methods of Hematopoietic System Examination. Complete Blood Count (CBC).
8. Key Syndromes in Hematology.
9. Examination Methods and Semiology in Endocrine System Diseases. Key Syndromes in Endocrinology.
10. Examination Methods and Semiology of Allergic Manifestations. Key Syndromes in Allergology.
11. Principles of Patient Care in Internal Medicine and First Pre-Medical Aid.
12. Final Credit.

List of topics of independent work of the student (50 hours)

1. Preparation for practical classes — theoretical study and practicing physical examination methods.
 2. Mastering the ability to analyze:
 1. Complete Blood Count (CBC);
 2. Urinalysis (General Urine Analysis);
 3. Blood Biochemistry (Biochemical Blood Test);
 4. Coagulogram (Blood Clotting Test).
- Patient curation (clinical cases) with writing a fragment of the medical history.
Preparation for the final credit

The IWS is aimed at deepening and consolidating the theoretical knowledge gained during classroom training and contributing to the formation of professional competencies. The results of the IWS are subject to control and are included in the final control of knowledge.

Consultations: online, with prior registration on the course page in the Distance Learning System.

Teaching methods: Lectures, exercises and practical works, situational tasks and case studies, standardized patient method.

EVALUATION

Current Learning Activities (CLA). The assessment of students' academic performance is carried out in accordance with the Regulations on the Assessment of Academic Performance of Higher Education Students at KhNMU (<https://knmu.edu.ua/documents/normatyvni-dokumenty-navchalnogo-proczesu/>).



The grade for a practical class or the final session ranges from 2 to 5 points. Late submission of assignments without a valid reason will result in a grade reduction based on the length of the delay. Assignments are graded within 24 hours. Grades are recorded in the electronic journal.

Unsatisfactory grades are retaken in accordance with the Regulations on the Procedure for Retaking Academic Classes by KhNMU Students (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf). At the end of the semester, the average grade is converted into a multi-point scale (70–120 points) according to Table 1 of the Grading Instructions (see above). The arithmetic mean of the Current Academic Performance (CAP) for both semesters constitutes the Total Academic Activity (TAA).

Individual tasks (IT) are evaluated up to 10 points.

Final control. The requirement for admission to the graded test (differential credit) is the accumulation of at least 70 points in Overall Educational Activity (OEA). The grade for the graded test ranges from 50 to 80 points.

Grade in subject (GS). Final Grade = TAA + IT + Graded Test.

Appealing the results of the final control is carried out in accordance with the procedure established in KhNMU (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_apel_kontrol.pdf).

POLICIES OF THE EDUCATIONAL COMPONENT

Recommendations for working on the course: Actively participate in all forms of class activities, dedicate 1-2 hours daily to independent study and preparation for classes, ask questions during classes, attend consultations, submit assignments on time, and complete all forms of assessment.

Attending classes. Attendance at lectures and practical classes is mandatory. The dress code for in-person classes is a white medical coat. If you are more than 5 minutes late, you may not be admitted to the class. Missed classes are made up in accordance with the Regulations on the Procedure for Retaking Academic Classes by KhNMU Students (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf).

Academic integrity. KhNMU stands on the positions of zero tolerance to manifestations of academic dishonesty. Any violations of the principles of academic integrity entail responsibility in accordance with the procedure established by KhNMU (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_ad-1.pdf).

Use of electronic gadgets and artificial intelligence tools. is permitted only with the instructor's permission.

Policy on persons with special educational needs. Students with special educational needs should contact the instructor to develop an individual educational trajectory.

Teacher Response Time: 24 hours.

Technical requirements for the course:

- access to a computer, laptop, tablet or smartphone
- Corporate Google account with your own photo
- skills in working with Google Workspace (Google Meet, Docs, Sheets, Slides, Forms) and Moodle

Technical support: ASM (ev.shevtsov@knmu.edu.ua), Google (tehotdelknmu@gmail.com), Moodle (al.korol@knmu.edu.ua)

RECOMMENDED SOURCES

1. Netyazhenko, V. Z., Shchulipenko, I. M., Malchevska, T. Y., Shkala, L. V., Didkivska, L. A., Plyanova, O. M., Horach, N. V., Potaskalova, V. S., & Kozmyk, T. V. (2024). *Propaedeutics of Internal Medicine. Part 1: Basic Methods of Patient Examination in the Internal Medicine Clinic* (V. Z. Netyazhenko, Ed.). Kyiv: Phoenix. — 552 p.



2. *Propaedeutics of Internal Medicine: Textbook* (2020). (Yu. I. Detsyk, O. H. Yavorskyi, Ye. M. Neiko, et al.; O. H. Yavorskyi, Ed.). 6th ed., rev. and enl. Kyiv: AUS Medicine Publishing. — 552 p. + 12 p. color incl.
3. Andreychyn, S. M., Bilkevych, N. A., & Chernets, T. Yu. (2021). *Methodology of Examining the Medical Patient: Study Guide*. Ternopil: Ukrmedknyha. — 276 p.
4. Kovalyova, O. M., & Ashcheulova, T. V. (2017). *Propaedeutics of Internal Medicine. Part 1: Diagnostics*. Textbook (Recommended by MES and MOH of Ukraine). Vinnytsia: Nova Knyha. — 424 p. (In English).
5. Kovalyova, O. M., Shapovalova, S. O., & Nyzhehorodtseva, O. O. (2017). *Propaedeutics of Internal Medicine. Part 2: Syndromes and Diseases*. Textbook (Recommended by MES and MOH of Ukraine). Vinnytsia: Nova Knyha. — 264 p. (In English).

Head of Department of _____ (signature)

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