

**SYLLABUS OF THE EDUCATIONAL COMPONENT
METHODOLOGY OF DENTAL EXAMINATION**

Specialty: **221 «Dentistry»**

Educational and Professional Program: **Dentistry**

Component Code in the Educational Program: **EC 42**

Level of Higher Education: **Second (Master's level)**

Mode of Study: **Full-time (daytime)**

Year of Study: **3**

Semester(s): **I (Fall), II (Spring)**

Type of Educational Component: **Elective**

Academic Year: **2026-2027**

Credits: **3 ECTS (90 hours)**

Types of Classes: **Lectures, practical classes, consultations**

Final Assessment: **Pass/Fail credit**

Prerequisites: **Completion of basic disciplines: human anatomy, normal physiology, pharmacology, biochemistry, microbiology**

Department / Unit: **Department of Dentistry**, 51 Peremohy Avenue, 7th floor

Course Coordinator: Associate Professor **Tatyana Viktorivna Tomilina**

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DESCRIPTION OF THE EDUCATIONAL COMPONENT

The elective educational component «**Methodology of Dental Examination**» studies the important diagnostic process in various fields of dentistry in order to determine the sequence of application of diagnostic methods and ways of analyzing the results obtained with their help. It also includes a number of principles and rules that determine the character and direction of a dentist's thinking (clinical thinking).

COURSE OBJECTIVE: теоретична та практична підготовка практикуючих лікарів-стоматологів, набуття ними розуміння процесу формування клінічного мислення за допомогою використання принципів методології обстеження пацієнтів із стоматологічною патологією.

To provide theoretical and practical training for future practicing dentists and to develop their understanding of the process of forming clinical thinking through the application of methodological principles for examining patients with dental pathology

LEARNING OUTCOMES:

1. Collect a complete medical and dental history of a patient;
2. Perform an objective examination of the patient (examination, palpation, percussion, probing, measurements, etc.);
3. Determine an examination and treatment plan according to the clinical situation.
4. Prescribe, analyze, and interpret results of additional diagnostic methods (radiography, CBCT scans, laboratory tests);
5. Formulate preliminary and differential diagnoses;
6. Identify and determine the leading clinical symptoms and syndromes; using standard methods and preliminary patient history, examination findings, and knowledge of human organs and systems to establish a probable nosological or syndromic preliminary clinical diagnosis of dental diseases
7. Form groups for medical follow-up (dispensary observation) and develop follow-up plans for different population groups.
8. Analyze the health status of population groups based on the results of medical examinations and develop medical and preventive measures.
9. Determine principles and the nature of treatment for patients with diseases of the oral cavity organs and tissues and the maxillofacial region in the presence of comorbidities.

CONTENT OF THE EDUCATIONAL COMPONENT

Lecture Topics (4 hours):

1. Concepts and principles of methodology in dentistry
2. Methods and methodology of clinical diagnosis

Topics of Practical / Laboratory Classes / Seminars (26 hours):

1. Concept of evidence-based dentistry
2. Basic principles and methodology of clinical research in dentistry
3. Evidence-based dental care and types of research
4. Features of the methodology for examining patients in conservative dentistry
5. Features of the methodology for examining patients in prosthodontics
6. Features of the methodology for examining patients in pediatric dentistry

Topics for Independent Student Work (60 hours)

1. Observational study
2. Retrospective and cross-sectional study
3. Longitudinal study
4. «Blind» study
5. Ranking of studies and levels of evidence

Independent work is aimed at deepening and consolidating theoretical knowledge obtained during classroom learning and contributes to the formation of professional competencies. The results of independent work are monitored and included in the final knowledge assessment.

Consultations: Online consultations are available with prior registration on the department page <https://distance.knmu.edu.ua/course/index.php?categoryid=63>

Teaching Methods: Lectures, Practical exercises, Solving situational tasks and case studies, Standardized patient method

ASSESSMENT

Current Academic Performance (CAP) Assessment of student performance is carried out according to the Instruction on the Assessment of Educational Activities of Higher Education Students at KNMU (<https://knmu.edu.ua/documents/normatyvni-dokumenty-navchalnogo-proczesu/>). The grade for a practical or final class ranges from 2 to 5 points. Late submission of assignments without a valid reason results in a grade reduction proportional to the delay. Assignments are checked within 24 hours, and grades are recorded in the electronic journal. Unsatisfactory grades must be retaken according to the Regulations on the Procedure for Making Up Missed Classes by KNMU Students (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf).

At the end of the course, the average grade is converted into a multi-point score (70–120 points) according to the evaluation instruction table (see above). The arithmetic average of current academic performance forms the **overall academic activity score (OAA)**.

Individual Assignments (IA) are graded up to 10 points.

Final Assessment. The final assessment includes completing a test package of 30 questions covering the course material. Passing criterion: **90%** correct answers

Final Course Grade (FCG). $FCG = OAA + IA + \text{Credit Test}$

Appeals of final assessment results are conducted according to the procedures established at KNMU. (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_apel_kontrol.pdf).

COURSE POLICIES

Recommendations for Course Work: to participate actively in all practical activities, dedicate 1–2 hours daily to independent study and preparation, ask questions during classes, attend consultations, submit assignments on time and complete all assessment activities

Attendance. Attendance at lectures and practical classes is mandatory. Students arriving more than 5 minutes late may not be admitted to class. Missed classes must be completed according to KNMU regulations (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf).

Academic Integrity. KNMU follows a zero-tolerance policy toward academic dishonesty. Any violation leads to disciplinary action in accordance with university regulations (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_ad-1.pdf).

Use of Electronic Gadgets and AI Tools Allowed only with the instructor’s permission.

Policy for Students with Special Educational Needs. Students with special educational needs should contact the lecturer to develop an individual educational trajectory

Lecturer Response Time: 24 hours.

Technical Requirements:

- Access to a computer, laptop, tablet, or smartphone
- A corporate Google account with a personal photo
- Skills in using Google Workspace (Meet, Docs, Sheets, Slides, Forms) and Moodle
- *Other departmental requirements*

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

RECOMMENDED SOURCES

1. Horodnov YE. V. Proyavy tryvozhnosti u khvorykh na heneralizovanyy parodontyt pid chas stomatolohichnoho pryvomu: stan vyvchennya problemy. VI Mizhnarodna naukovo-praktychna konferentsiya “CURRENT CHALLENGES OF SCIENCE AND EDUCATION”, 12-14.02.2024, Berlin, Nimechchyna. URL: <https://sci-conf.com.ua/vi-mizhnarodna-naukovo-praktichna-konferentsiya-current-challenges-of-science-and-education-12-14-02-2024-berlin-nimechchina-arhiv/>
2. Osnovni pokaznyky zdorov’ya naseleennya ta diyal’nosti zakladiv okhorony zdorov’ya Kharkivs’koyi oblasti za 2022 – 2023 rr. / Komunal’ne nekomertsiyne pidpryyemstvo Kharkivs’koyi oblasnoyi rady «Oblasnyy tseentr medychnoyi statystyky, zdorovoho sposobu zhyttya ta informatsiyno-analitychnoyi diyal’nosti». Kharkiv, 2024. 496 s. URL: <https://khocz.com.ua/osnovni-pokazniki-zdorov-ja-naseleennja-tadijalnosti-zakladiv-ohoroni-zdorov-ja-harkivskoi-oblasti-za-2022-2023-rr/>
3. Basic Principles and Methodology of Clinical Research in Dentistry Lars Bondemark and Per-Erik Isberg / 2024 Cambridge Scholars Publishing Lady Stephenson Library, Newcastle upon Tyne, NE6 2PA, UK
4. da Silva E.L., Visioli F. Multiple pigmented lesions in oral mucosa. Oral Dis. 2024. Vol. 30, No 7. P. 4364-4366.

Acting Head of the Department of Dentistry

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