

**SYLLABUS EDUCATIONAL COMPONENT
INFECTIOUS DISEASES**

Specialty: 221 "Dentistry"

Educational and professional program: **Dentistry**

Component code in the educational program: **OK 32**

Level of higher education: **second (master's)**

Form of education: **full-time**

Year of study: **4th**

Semester(s): **VII (autumn) or VIII (spring)**

Type of educational component: **mandatory**

Academic year: **2027-2028**

Department/division: **Department of Infectious Diseases, Pediatric Infectious Diseases and Phthisiology**, KNP KOR "ODIKL", Bayrona Ave., 160.

Head of the educational component: **Prof. Yurko Kateryna Volodymyrivna**, email: kv.yurko@knmu.edu.ua

Educational component page in the KhNMU Distance Learning System (Moodle): <http://distance.knmu.edu.ua/course/view.php?id=2884>

DESCRIPTION OF THE EDUCATIONAL COMPONENT

In the general system of training a dentist, the educational component "Infectious Diseases" occupies an important place, taking into account the significant prevalence of infectious pathology, the need to form clinical thinking, skills and practical abilities in future dentists that ensure timely diagnosis of certain infectious diseases and their complications, rational treatment, etc. The subject of study of the educational component is the patterns of the modern course of blood-borne infectious diseases, infectious diseases accompanied by damage to the oropharynx, and infectious diseases that fall under the regulation of the International Health Regulations.

COURSE OBJECTIVE: formation of the ability to apply the acquired knowledge, skills, abilities and understanding of the patterns of the modern course of the pathological process in infectious diseases based on the study of the spread of infectious diseases in the world and Ukraine, etiological factors, mechanisms and factors of their transmission, the main links of pathogenesis, identification of relationships between the clinical features of the course and the state of the immune system, complications that complicate their course, principles of diagnosis and treatment of this category of patients in the field of evidence-based medicine.

LEARNING OUTCOMES:

- acquiring the ability to collect medical information about a patient with infectious pathology and analyze clinical data;
- acquiring the ability to determine the necessary list of laboratory and instrumental studies and evaluate their results in infectious diseases;
- acquiring the ability to establish a preliminary and clinical diagnosis of an infectious disease;
- acquiring the ability to determine the principles and nature of the treatment of infectious diseases;
- acquiring the ability to diagnose emergency conditions that may occur in patients with infectious pathology;
- acquiring the ability to determine tactics and provide emergency care to infectious patients.

CONTENT OF THE EDUCATIONAL COMPONENT**List of lecture topics (6 hours):**

1. Introduction to infectology. Infectious diseases with airborne transmission, occurring with lesions of the oropharynx. Diphtheria.
2. Infectious diseases with parenteral mechanism of infection.
3. Infectious diseases regulated by the International Sanitary Regulations.

List of topics of practical classes (18 hours):

1. Introduction to infectology. Infectious diseases with airborne transmission. Diphtheria. Curation of medical history.
2. Infectious diseases with parenteral mechanism of infection. Viral hepatitis.
3. Infectious diseases with parenteral mechanism of infection. HIV infection. Protection of medical history.
4. Infectious diseases with wound (tetanus) and multiple (anthrax) mechanism of infection. Infectious diseases regulated by the International Sanitary Regulations (plague, cholera). Differentiated assessment.

The student's independent work on the course (6 hours) involves writing a medical history and preparing for a differentiated test.

Consultations: online, according to the department's schedule.

Teaching methods: lecture, story-explanation, conversation, illustration, demonstration, presentation, videos, discussion, role-playing, modeling of processes and situations, case method, standardized patient, solving situational problems.

EVALUATION

Current educational activity (CEA). Assessment of the success of education seekers is carried out in accordance with the Instructions for assessing the educational activity of higher education seekers at KhNMU (<https://knmu.edu.ua/documents/normatyvni-dokumenty-navchalnogo-proczesu/>). The grade for the practical lesson is from 2 to 5 points. The grades are posted in the electronic journal. Unsatisfactory grades are worked out in accordance with the Regulations on the procedure for working out academic lessons by students of KhNMU (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf). At the end of the course, the average grade for practical classes is converted into a multi-point grade (70-120 points) in accordance with Table 1 of the Assessment Instructions (see above). The arithmetic average CEA is equal to the **total learning activity (TLA)**.

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

Final control. The condition for admission to the differentiated credit is the availability of 70 points of the TLA and the preparation (defense) of the medical history. The score for the differentiated test is from 50 to 80 points.

Discipline assessment (DA). $DA = TLA + IT + \text{differentiated credit}$.

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

EDUCATION COMPONENT POLITICIANS

Recommendations for course work: keep lecture notes, actively participate in all forms of work in classes, ask questions during classes, attend consultations, submit assignments on time and perform all forms of control.

Attendance at classes. Attendance at lectures and practical classes is mandatory. The uniform during offline classes is a white medical gown. In addition, while working in the hospital, the applicant must have a medical cap, change of shoes, a mask, and a phonendoscope with him. If the applicant is more than 5 minutes late, the applicant may not be admitted to the class. Missed classes are made up in accordance with the Regulations on the procedure for students of KhNMU to complete academic classes (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf).

Academic integrity. KhNMU has a zero tolerance policy towards academic dishonesty. Any violation of the principles of academic integrity entails liability in accordance with the procedure established at KhNMU. (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_ad-1.pdf).

The use of electronic gadgets and artificial intelligence tools is allowed only with the permission of the teacher.

Politics for individuals with special educational needs. Applicants with special educational needs should contact the teacher to develop an individual educational trajectory.

Teacher response time: 24 hours.

Technical requirements for working on the course:

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

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

RECOMMENDED SOURCES

1. Infectious diseases: textbook / O.A. Golubovskaya, M.A. Andreychyn, A.V. Shkurba and others; ed. O.A. Golubovskaya. – 4th ed., revised and supplemented – Kyiv: VSV “Medicine”, 2022. – 464 p.
2. Emergency infectology: textbook / V.M. Kozko, A.V. Bondarenko, G.O. Solomennyk and others; ed. V.M. Kozko. – 3rd ed., revised and supplemented – Kyiv: VSV “Medicine”, 2023. – 143 p.
3. Medicine according to Davidson: principles and practice: textbook: transl. 23rd English ed.: in 3 vols. T. 2 / ed. Stuart G. Ralston, Ian D. Penman, Mark W. J. Straken, Richard P. Hobson; scientific ed. trans. Kateryna Yurko, Vasyl Moskalyuk, Larisa Moroz et al. – Kyiv: VSV “Medicine”, 2021. – 778 p.
4. Mandell, Douglas, and Bennett’s principles and practice of infectious. – 9th Edition (vols 1 and 2) // John E. Bennett, Raphael Dolin, Martin J. Blaser. – Philadelphia, PA: Elsevier, 2020. – 3839 p.
5. Socially significant and especially dangerous infectious diseases: a textbook / K.V. Yurko, G.O. Solomennyk. – Kyiv: VSV “Medicine”, 2023. – 255 p.
6. Internal diseases. Textbook based on the principles of evidence-based medicine 2025/2026: manual / A.S. Swintsitsky, P. Gajewski. – 2nd ed. – Krakow: “Practical Medicine”, 2025. – 1728 p.

Head of the Department of
Infectious Diseases, Pediatric
Infectious Diseases and Phthysiology
Dr. of Medical Sciences, Professor



Kateryna YURKO