

SYLLABUS OF THE EDUCATIONAL COMPONENT HEALTH CARE ECONOMICS

Specialty: **221 «Dentistry»**

Educational and professional program: «Dentistry»

Component code in the educational program: **SC 83**

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

Form of education: **full-time (full-time)**

Year of study: **5**

Semester(s): **9**

Type of educational component: **selective**

Academic year: **2028-2029**

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

Classes: **lectures, practical classes, consultations**

Summary control: **credit**

Prerequisites: Management and marketing in dentistry

Department/division: Department of Public Health and Health Care Management, Nauky Ave., 4, Building A, 3rd floor

Head of the educational component: Assoc. Prof. Pomohaibo Kateryna Georgievna email: kh.pomohaibo@knmu.edu.ua, Prof. Melnychenko Oleksandr Anatoliyovych, email: oa.melnychenko@knmu.edu.ua, Assoc. Prof. Martynenko Nataliya Mykolayivna, email: nm.martynenko@knmu.edu.ua.

Educational component page in the KhNMU Distance Learning System (Moodle): <https://distance.knmu.edu.ua/course/view.php?id=6181>

DESCRIPTION OF THE EDUCATIONAL COMPONENT

The course "Healthcare Economics" examines the key economic aspects of the functioning of modern dental practice. Higher education students will study the principles of organizing and managing a dental business, financing mechanisms, pricing for services, as well as methods for analyzing the economic efficiency of clinical interventions. Special attention is paid to developing skills for the rational allocation of resources, optimizing work processes, and increasing the competitiveness of a dental clinic.

COURSE OBJECTIVE: to form in future dentists a comprehensive understanding of the economic principles of their professional activities, to teach them to effectively manage financial and material resources, as well as to justify clinical decisions taking into account economic feasibility

LEARNING OUTCOMES: Analyze and evaluate government, social, and medical information using standard approaches and computer information technologies

CONTENT OF THE EDUCATIONAL COMPONENT

List of lecture topics (10 hours):

- Healthcare as a branch of the economy. Medical service. Medical services market.
- State regulation of resource provision of the healthcare system.
- Systems, forms and methods of financing in the healthcare sector.
- Marketing in healthcare.
- Efficiency of the healthcare system and institutions. Key performance indicators of a medical institution.

List of practical training topics (20 hours):

- Subject and method of health economics. Health as an economic and social category.
- Health care as a branch of the economy. Medical service. Medical services market.
- State regulation of resource provision of the health care system
- Systems, forms and methods of financing in the health care sector
- Entrepreneurial activity in the health care sector
- Planning and forecasting in the health care system.
- Fundamentals of financial planning in health care institutions.
- Remuneration in health care
- Pricing in health care.
- Marketing in health care

- Efficiency of the health care system and institutions. Key indicators of the medical institution's activities

List of topics for student independent work (60 hours)

- Subject and method of health economics. Health as an economic and social category.
- Health care as a branch of the economy. Medical service. Medical services market.
- State regulation of resource provision of the health care system
- Systems, forms and methods of financing in the health care sector
- Entrepreneurial activity in the health care sector
- Planning and forecasting in the health care system.
- Fundamentals of financial planning in health care institutions.
- Remuneration in health care
- Pricing in health care.
- Marketing in health care
- Efficiency of the health care system and institutions. Key indicators of the medical institution's activities

institution's activities

IW is aimed at deepening and consolidating theoretical knowledge obtained during classroom training and contributes to the formation of professional competencies. The results of **IW** are subject to control and are included in the final knowledge control.

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

Teaching methods: lecture, performing exercises and practical work, standardized test survey method, preparation of presentations and oral presentations in practical classes.

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 a practical or final lesson is from 2 to 5 points. Submitting assignments late for unwarranted reasons entails a reduction in the grade according to the percentage of delay in time from the time of completing the assignment. Assignments are checked within 24 hours. Grades are posted in the electronic journal. Unsatisfactory grades are worked out in accordance with the Regulations on the procedure for working out 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 semester average grade is converted into a multiple-point grade (70–120 points) in accordance with Table 1 of the Assessment Instructions (see above). The arithmetic average of the CEA for both semesters constitutes the total learning activity (GEA).

Individual tasks (IT) are graded out of 10 points.

The grade for the educational component is given only to higher education applicants who have passed all final classes and the credit. The credit score ranges from 120 to 200 points.

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

EDUCATION COMPONENT POLICIES

Recommendations for course work: actively participate in all forms of work in classes, devote 1-2 hours daily to independent work and preparation for classes, ask questions during classes, attend consultations, submit assignments on time and complete all forms of control.

Attendance at classes. Attendance at lectures and practical classes is mandatory. The dress code for offline classes is a white medical gown. If the student is more than 5 minutes late for a lecture or practical class, he/she 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 ([chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://knmu.edu.ua/wp-content/uploads/2021/05/pol_por-vidprac-zaniat.pdf](https://knmu.edu.ua/wp-content/uploads/2021/05/pol_por-vidprac-zaniat.pdf)).

Academic integrity. KNMU has a zero tolerance policy towards academic dishonesty. Any violation of the principles of academic integrity entails liability in accordance with the procedure established by KNMU (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.

Policy on 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
- a corporate Google account with your own photo
- skills in working with Google Workspace (Google Meet, Docs, Sheets, Slides, Forms) and Moodle

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

RECOMMENDED SOURCES

1. Health Economics / C. Phelps. – 6th ed. – Cambridge: MIT Press, 2018. – 640 p.
2. Healthcare Management / S. M. Shortell, A. D. Kaluzny. – 6th ed. – Boston: Cengage Learning, 2019. – 720 p.
3. Essentials of Health Policy and Law / J. Teitelbaum, S. Wilensky. – 4th ed. – Burlington: Jones & Bartlett Learning, 2020. – 360 p.

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