



SYLLABUS OF THE EDUCATIONAL COMPONENT COSMETOLOGY

Speciality: **221 «Dentistry»**

Educational and professional program: **Dentistry**

Component code in the educational program: **EC 24**

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

Form of education: **Full-time**

Year of study: **2**

Semester(s): **3 (autumn)**

Type of educational component: **elective**

Academic year: **2025-2026**

Volume: **3.0 credits ECTS (90 hours)**

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

Final control: **credit**

Prerequisites: **OK7, OK8**

Department/Unit: **Dermatovenereology, Surgical Dermatology and Medical Cosmetology**

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Page of the educational component in the Distance Learning System of KhNMU (Moodle):
<http://31.128.79.157:8083/course/index.php?categoryid=32>

DESCRIPTION OF THE EDUCATIONAL COMPONENT

Cosmetology teaches methods of examination and diagnosis of the most common cosmetological imperfections.

PURPOSE OF THE COURSE:

- To determine the etiological and pathogenetic factors of the appearance and subsequent clinical course of the most common cosmetic imperfections and dermatocosmetic pathology of the skin and its derivatives.
- To be able to provide a cosmetological characterization of the condition of the skin and its derivatives.
- To be able to determine the groups of skin diseases subject to treatment in cosmetology facilities.
- To be able to provide advisory assistance regarding the cosmetic correction of the most common cosmetic pathology and modern methods of cosmetological treatment.

LEARNING OUTCOMES:

- Understanding and knowledge of the clinical manifestations of the most common cosmetic imperfections and dermatocosmetic pathology of the skin and its derivatives.
- Identify and recognize leading clinical symptoms and syndromes, using standard methods, preliminary patient history data, and patient examination data to establish a preliminary clinical diagnosis of the condition.
- Collect complaints, life history and medical history, evaluate information regarding the diagnosis based on the results of laboratory and instrumental studies.
- Establish the final clinical diagnosis by making a reasoned decision and analyzing the subjective and objective clinical data obtained, conducting differential diagnosis, while adhering to relevant ethical and legal norms.
- Determine the nature and principles of patient treatment.

CONTENT OF THE EDUCATIONAL COMPONENT

List of Lecture Topics (10 hours):

1. Structure and functions of the skin. Skin types. Introduction to medical cosmetology. Skin aging.
Pathological skin types in cosmetology practice.



2. Skin pigmentation disorders. Seborrhea. Acne vulgaris. Rosacea. Hair diseases. Cosmetic products. Hydro-, thalasso-, peloidotherapy. Decorative cosmetics.
3. Injection methods in cosmetology. Ozone therapy in cosmetology. Peels. Cell therapy. Cryotherapy in medical cosmetology.
4. Physiotherapy and device-based cosmetology. Aesthetic surgery. Liposuction.

List of Practical Class Topics (20 hours):

1. Structure and functions of the skin. Skin types. Introduction to medical cosmetology.
2. Skin aging.
3. Pathological skin types in cosmetology practice.
4. Skin pigmentation disorders.
5. Seborrhea. Acne vulgaris. Rosacea. Hair diseases.
6. Cosmetic products. Hydro-, thalasso-, peloidotherapy. Decorative cosmetics.
7. Injection methods in cosmetology.
8. Ozone therapy in cosmetology. Peels. Cell therapy. Cryotherapy in medical cosmetology.
9. Physiotherapy and device-based cosmetology.
10. Aesthetic surgery. Liposuction.

List of Topics for Student Independent Work (60 hours):

1. Objectives of medical cosmetology. Anatomy and functions of the skin. Skin types.
2. Morphological types of skin aging.
3. Problematic skin (sensitive, dry, oily) in cosmetology practice.
4. Skin dyschromias.
5. Diseases of the sebaceous glands. Seborrhea. Acne vulgaris. Rosacea. Hair diseases.
6. Types of cosmetic products. Methods of hydro-, thalasso-, peloidotherapy in cosmetology practice. Decorative cosmetics.
7. Fillers, botulinum toxin, polynucleotides, amino acids, polylactic acid, calcium hydroxyapatite in cosmetology.
8. Use of cryo- and ozone therapy in cosmetology. Peels. Cell therapy.
9. Use of physiotherapy and device-based treatment methods in cosmetology.
10. Modern possibilities of aesthetic surgery. Liposuction.

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: offline/online, according to the schedule of the department or by pre-registration, indicating the method of registration.

Teaching methods:

Lecture, performance of exercises and practical tasks, solving situational problems and clinical cases, standardized patient method.

EVALUATION

Current Educational Activity (CEA). The assessment of student progress is carried out in accordance with the Instructions for Evaluating the Educational Activities of Higher Education Students at KhNMU (<https://knmu.edu.ua/documents/normatyvni-dokumenty-navchalnogo-proczesu/>). The grade for a practical or final lesson ranges from 2 to 5 points. Submitting assignments late without a valid reason entails a reduction in grade according to the percentage of delay relative to the task completion time. Assignments are checked within 24 hours. Grades are entered into the electronic grade book. Unsatisfactory grades must be retaken in accordance with the Regulation on the Procedure

for Making Up Missed Classes by KhNMU Students (https://knmu.edu.ua/wp-content/uploads/2021/05/polog_vidprac_zaniat.pdf).

At the end of the course, the average grade for the semester is converted into a multi-point scale (120-200 points) according to Table 1 of the Evaluation Instructions (see above) - this constitutes the **General Educational Activity (GEA)**.

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

Course Grade (CG). $CG = GEA + IA$.

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

EDUCATIONAL COMPONENT POLICIES

Coursework recommendations: Actively participate in all forms of in-class activities; devote 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.

Class attendance: Attendance at lectures and practical classes is mandatory. The required dress code for offline classes is a white medical coat. In case of being more than 5 minutes late to a lecture or practical class, the student may be denied admission to the class. Missed classes must be made up in accordance with the Regulations on the Procedure for Making Up Missed Classes by Students of Kharkiv National Medical University: https://knmu.edu.ua/wp-content/uploads/2021/05/pol_por-vidprac-zaniat.pdf

Academic integrity: Kharkiv National Medical University adheres to a zero-tolerance policy regarding academic misconduct. Any violation of the principles of academic integrity entails responsibility in accordance with the procedures established by the University: 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 authorization.

Policy for students with special educational needs: Students with special educational needs must contact the instructor to develop an individual educational trajectory.

Instructor's 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
- other requirements of the department

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

RECOMMENDED LITERATURE

1. Medical Cosmetology: a study guide for students of higher educational institutions / Bilovol A.M., Tkachenko S.H. Vinnytsia: Nova Knyha, 2021. 384 p.
2. Diagnostics in Dermatology. Textbook / T.V. Svyatenko, L.A. Bolotna, O.I. Denysenko et al. Vinnytsia: Nova Knyha, 2025. 384 p.
3. Fedorova O.V., Petrina R.O., Zayarnyuk L.R., Havrylyak V.V., Mylianych A.O., Novikov V.P. Technology and Application of Therapeutic and Cosmetic Products. Lviv Polytechnic, 2019. 244 p.
4. Fedorova O.V., Petrina R.O., Zayarnyuk L.R., Havrylyak V.V., Shved O.V., Novikov V.P. Workshop on Biotechnology of Therapeutic and Cosmetic Products. Lviv Polytechnic, 2020. 116 p.



5. Wypych G. Handbook of Fillers. 5th edition. ChemTec Publishing, 2021. eBook ISBN: 9780323898959
6. Handbook of Cosmetic Science and Technology. Edited by F. Dreher, E. Jungman, K. Sakamoto, H. I. Maibach. 5th edition. CRC Press, 2023. 450 p.

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