



**Катедра по технология на лекарствата
и биофармация**

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SYLLABUS FOR THE SEMESTER EXAM
in TECHNOLOGY OF MEDICAL COSMETICS
for students in IV course for the academic year 2025/2026

1. Classification of medical cosmetic preparations.
2. Structure and function of the skin. Skin types. Factors, which affect the main skin functions.
3. Ensuring the quality of the cosmetic products. Requirements of the European and Bulgarian legislation.
4. Materials which are used for cosmetic products – components with technological purpose, components with cosmetological purpose, components with aesthetic purpose.
5. Hydrophobic and hydrophilic materials. Representatives. Principles for their selection according to the type of cosmetic product and the type of skin.
6. Surfactants. Gelling and viscosity-enhancing substances.
7. Creams bases. Gel bases. Preservatives and antioxidants for cosmetic products.
8. Biologically active substances – vitamins, moisturizing substances, plant extracts. Photoprotectors – evaluation the degree of photo protection.
9. Vitamins in cosmetic products.
10. Control of cosmetic materials and cosmetic products.
11. Contemporary technological approaches to increase the effectiveness of cosmetic products. Liposomes, lipid structures, nanoemulsions, dermal membrane structures.
12. Baby cosmetics. Choosing cosmetic materials to ensure the quality of baby products.
13. Cosmetic products for aging skin.
14. Cosmetic creams. Preparation of day creams and night creams.
15. Cosmetic products for facial skin cleansing. Thermal water, lotions, cleansing milk. Cosmetic face masks.
16. Hair products – shampoos, conditioners.
17. Oral products – toothpastes, toothpowders, mouthwashes.
18. Medical cosmetic soaps.
19. Decorative cosmetics. Characteristics, formulations.

Accepted by the Department Council with. Prot. № 10/28.10.2025.

Approved by: /S/

Assoc. Prof. Plamen Katsarov, PhD

Head of Department of Pharmaceutical Technology and Biopharmacy