SYLLABUS

1. Course title:

Chemistry of dermatics

2. Code:

3. Cycle of study:

1

4. ECTS credits:

3

5. Type of course:

Elective

6. Prerequisites:

None

7. Class restrictions:

None

8. Duration / semester(s):

1 | 3

9. Weekly contact hours and student workload:

	Semester (1)	Semester (2)	(for two-semester courses)	Workload: (hours)
9.1. Lectures	2		Classes:	22,50
9.2. Seminars	0		Individual work:	58,46
9.3. Laboratory / Practice classes	2		In total:	80,96

10. Faculty:

Faculty of pharmacy

11. Department/study program:

Cosmetology

12. Lecturer:

dr. sci. Amra Džambić, Professor Assistant

13. Course aims:

The aim of the course is to educate students with the characteristics and properties of drugs and medicinal preparations that are used in skin treatment. They will get to know their structures, mechanisms of action and ways of application.

14. Learning outcomes:

- acquiring knowledge about the physical and chemical properties of active molecules,
- acquiring knowledge about the reactivity of functional groups, degradation reactions and chemical stability,
- understanding the basic mechanisms of drug action,
- studying pharmacotherapeutic groups of drugs for dermal application

15. Course content:

Introductory lectures on preparations with a primary effect on the skin and mucous membranes. Antifungals for local and systemic use, Local and systemic antibiotics for the treatment of bacterial skin diseases (Aminoglycosides, Tetracyclines, Sulfionamides, Chloramphenicol, Metronidazole), Medicines for the treatment of wounds and ulcers, Local and systemic antiviotics, Antiparasitics, Emollients and protective agents, Antipruritics, Antihistamines, Local anesthetics, Corticosteroids - Dermatics, Cytostatics - melanoma treatment, Medicines for treatment of acne, Retinoids, Medicines for the treatment of hemorrhoidal plexus varicosities, Treatment of hypostatic dermatitis, Other medicines for dermal application, OTC preparations for use on the skin.

16. Learning methods:

Oral lectures
Interactive teaching - active participation in lectures, repetition of material, solving specific problems and cases, simulation of the exam
Seminar papers on a given topic

17. Assessment methods:

Test – Written and/or oral exam
Testing knowledge of Antimycotics, Local and systemic antibiotics, Antivirotics, Antiparasitics, Emollients and protectants, Antipruritics, Antihistamines, Local anesthetics, Corticosteroids - Dermatics, Cytostatics, Drugs for the treatment of acne, Retinoids, Drugs for the treatment of hemorrhoidal plexus varicosities, Treatment of hypostatic dermatitis, OTC preparations for application to the skin. 38-70 points
Seminar paper: 10-20 points
Activity in lectures: 6-10 points

18. Assessment components:

Test – Written and/or oral exam
Testing knowledge of Antimycotics, Local and systemic antibiotics, Antivirals, Antiparasitics, Emollients and protectants, Antipruritics, Antihistamines, Local anesthetics, Corticosteroids - Dermatics, Cytostatics, Drugs for the treatment of acne, Retinoids, Drugs for the treatment of hemorrhoidal plexus varicosities, Treatment of hypostatic dermatitis, OTC preparations for application to the skin. 38-70 points
Seminar paper: 10-20 points
Activity in lectures: 6-10 points

19. Mandatory reading list:

Farmaceutska kemija 1 – D. Završnik, S. Muratović, S. Špiritović- Halilović, E. Veljović, A. Osmanović, M. Bojić, M. Medić-Šarić;
Vladimirov S., Živanov-Stakić D. Farmaceutska hemija I i II deo, Farmaceutski fakultet Beograd 2006.

20. Additional reading list:

Thomas L. Lemke, David A. Williams, Victoria F. Roche i S. William Zito Foye's Principles of Medicinal Chemistry, 7. Izdanje, Lippincott Williams & Wilkins, 2012.

21. Web sources:

22. Applicable from the academic year:

23. Adopted in the Faculty/Academy session: