SYLLABUS

1. Course title:

NOMENCLATURE OF ORGANIC PHARMACEUTICALS

2. Code:

3. Cycle of study:

1

4. ECTS credits:

3

5. Type of course:

○ Mandatory ◉ Elective

6. Prerequisites:

7. Class restrictions:

8. Duration / semester:

1 3

9. Weekly contact hours:

9.1. Lectures:	2
9.2. Seminars:	0
9.3. Laboratory/Practice classes:	0

10. Faculty:

Faculty of Pharmacy

11. Department/study program:

Pharmacy (integrated academic study I and II cycle)

12. Lecturer:

Prof.dr.sc. Snježana Marić

13. Lecturer's e-mail:

snjezana.maric@untz.ba

14. Web site:

www.frmf.untz.ba

15. Course aims:

Students will learn about the structures of different types of organic compounds, as well as the types of bonding in organic molecules. After establishing the basics related to the display of molecules, the connection between the structure and the naming of compounds with different functional groups will be carefully addressed. Students will understand the importance of naming organic compounds for the study of organic reactions.

16. Learning outcomes:

It is expected that after passing the exam, students will be able to successfully follow all subjects from the narrow scientific field of organic chemistry.

17. Course content:

Bonding in organic molecules. Structural formulas of organic molecules. Connection angles. Ways of displaying organic molecules. Division of organic compounds. Functional groups. Naming of hydrocarbons (alkanes, alkenes, alkynes, aromatic hydrocarbons). Naming organic compounds containing heteroatomic functional groups. Naming compounds with multiple functional groups.

18. Learning methods:

Lectures and tests. Teaching will be realized through lectures and exercises. Attendance is mandatory for all students, along with active participation in teaching. This includes solving specific tasks and problems, as well as a broader discussion.

19. Assessment methods:

Test I, test II, the final exam.
The final grade consists of: attendance and active participation in classes (lectures and exercises), passed tests and the final exam.

Criteria	Max.points	min.points
activity at lab.exercises and at lectures	10	7
Test I	30	16
Test II	30	16
Final exam	30	16
Total	100	55

20. Assessment components:

< 55,00	5	F
55,00 – 64,00	6	E
65,00 – 74,00	7	D
75,00 – 84,00	8	C
85,00 – 94,00	9	B
95,00 – 100	10	A

21. Required reading list:

IUPAC Nomenklatura organskih spojeva(prijevod), Kemija u Industriji, Zagreb.
S. H. Pine, Organska kemija, Školska knjiga Zagreb (1994) (prijevod)

22. Web sources:

23. Applicable starting from the academic year:

2018/2019.

24. Adopted in the Faculty/Academy session:

17.11.2025.