SYLLABUS

1. Course title:

PHARMACOEPIDEMIOLOGY AND PHARMACOECONOMICS

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 9

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 1st and 2nd cycle)

12. Lecturer:

13. Lecturer's e-mail:

14. Web site:

www.frmf.untz.ba

15. Course aims:

Introduce the student with basic knowledge and methods in the field of pharmacoepidemiology and pharmacoeconomics

16. Learning outcomes:

- acquire theoretical knowledge about the basic principles of pharmacoepidemiological methods
- acquire theoretical knowledge about general methods of detection of unwanted and beneficial effects of drugs, studies of drug use, cost-effectiveness studies, cost minimization studies.
- acquire basic knowledge in the field of health economics and quality of life, as well as health technology.

17. Course content:

Rational use of drugs
Basic principles of pharmacoepidemiological methods
Methods of detection of unwanted and beneficial effects of drugs
Study design
Cross-section studies, observational and clinical studies
Drug use studies
Basic principles of pharmacoeconomic methods of collection and analysis of drug use data
Cost minimization studies
Cost-effectiveness studies
Cost-benefit studies
Health economics and quality of life
Health technologies

18. Learning methods:

Lectures, seminar works

19. Assessment methods:

During the semester, the student takes two partial exams, Test I and Test II, each carrying a maximum of 40 points.
During the semester, a student can do a seminar paper that carries a maximum of 15 points.
Attendance and activity at the lecture carries a maximum of 5 points.
At the end of the semester, the student takes the final exam in which he takes every part of the exam that he did not pass and can score a maximum of 80 points.

20. Assessment components:

Student success is monitored continuously throughout the course and is expressed in points.
The final success of the student after all predicted forms of knowledge evaluation is assessed and graded as follows:

10 (A) -95-100- outstanding performance without errors or with minor errors
9 (B) - 85-94-above the average, with some errors
8 (C) - 75-84- average, with noticeable errors
7 (D) - 65-74 generally good, but with significant shortcomings
6 (E) - 55-64- meets the minimum criteria
5 (F, FX) <55- does not meet the minimum criteria

21. Required reading list:

1. Strom BL, Prarmacoepidemiology, 2nd ed., John Wiley & Sons, Chichester, New York, 1994.
2. Drumond M et al., Methods for the Economic Evaluation of Health Care Programmes, 2nd ed., Oxford University Press, 1997.
3. Pharmacoeconomy Glossary, ISPOR,

22. Web sources:

23. Applicable starting from the academic year:

2018/2019

24. Adopted in the Faculty/Academy session:

17.11.2025.