SYLLABUS

1. Course title:

TOXICOLOGY WITH ANALYTICS II

2. Code:

3. Cycle of study:

1

4. ECTS credits:

3

5. Type of course:

(•) Mandatory ( ) Elective

6. Prerequisites:

None

7. Class restrictions:

None

8. Duration / semester:

1 8

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:

Dr sci. Maida Šljivić Husejnović, assoc. Profes

13. Lecturer's e-mail:

maida.sljivic-husejnovic@untz.ba

14. Web site:

www.frmf.untz.ba

15. Course aims:

To introduce students to the special chapters of toxicology.

16. Learning outcomes:

Possession of knowledge and skills in the field of toxicology with analytics.

17. Course content:

Study of poisons by groups
Gaseous poisons
Volatile poisons
Mineral poisons
Plant and synthetic poisons
Special chapters of toxicology
Substances causing dependence
Pesticides
Toxins
Water, soil, and air pollution
Hazardous waste
Food toxicology
Risk assessment

18. Learning methods:

Lectures, consultations, seminar work.

Lectures - Through interactive lectures, students become familiar with the basic concepts and principles of toxicology.
Consultations - Through consultations, students can resolve uncertainties and deepen their acquired knowledge.
Seminar work - Students write a seminar paper based on collected literature on the assigned topic and orally defend it.

19. Assessment methods:

Pre-exam activities (minimum 55, maximum 100 points)

Student's activity - 0-10 points
Seminar paper - maximum 10 points
Final exam - 43.5-80 points

Student's activity: During lectures, students actively participate and demonstrate engagement. Student's activity is assessed with 0-10 points.

Seminar paper: Students write a seminar paper based on collected literature on the assigned topic and orally defend it. Students can earn a maximum of 10 points for independent work. The seminar paper is not a mandatory part of the exam, but it allows students to gain additional points.

Exam: Students can take the exam orally and/or in writing. The exam is taken during the semester, after completing the designated teaching units. To pass the exam, students need to score 43.5-80 points. Students need to achieve a total number of points from the planned activities and knowledge assessments during the semester that meet the criteria for a passing grade.

If a student does not earn enough points for grade registration in the pre-exam activities, the final exam and any failed parts of the exam are taken in the regular and remedial exam sessions.

20. Assessment components:

A student's performance is continuously monitored throughout the course and is expressed in points.

The final grade of a student after all planned forms of assessment is evaluated 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.Begić A. et al.Eksperimentalna toksikologija sa teoretskim osnovama.2019
2.Jokanović M.Toksikologija,2001
3.Mokranjac M.Toksikološka hemija
4.Casarett.The Basic Science of Poisons.2013
5.Robert J et al.Fundamentals of Analytical Toxicology.2008

22. Web sources:

23. Applicable starting from the academic year:

2018/2019

24. Adopted in the Faculty/Academy session:

17.11.25.