SYLLABUS

1. Course title:

CLINICAL BIOCHEMISTRY I

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 sc Zlata Mujagić, full professor

13. Lecturer's e-mail:

zlata.mujagic@untz.ba

14. Web site:

www.pharmacy.untz.ba

15. Course aims:

Acquiring knowledge about metabolic disturbances and clinical importance of water, electrolytes,oligoelements, NPN substances; biochemistry bases and clinical importance of acid-base balance and ABS parameters.

16. Learning outcomes:

It is expected that students accept and understand biochemical bases of metabolic disturbances and clinical importance of water, electrolytes,oligoelements, NPN substances; biochemistry bases and clinical importance of acid-base balance and ABS parameters.

17. Course content:

Water; electrolytes; oligoelements; NPN substances; acid-base balance and ABS parameters : biochemistry, diagnostics, analytical methods.

18. Learning methods:

Lectures, seminars (individual or group) and consultations.
Authorized lectures will be available for students in digital form.

19. Assessment methods:

Partial and final exam in oral or written form (theoretical knowledge); seminars (individual or group).
Final point score is formed in a cumulative way (sum of points from all forms of knowledge checking and student activity) with the point range: 54-100 cumulative points.
If it is officially documented that a student cheated on the exam, the next exam term will be forbidden to them.

20. Assessment components:

Attendance and activity during lectures:	10 points
Test I (partial exam I):	45 points
Test II (partial exam II):	45 points

21. Required reading list:

1. Lieberman M, Marks A, Smith C. Marks' Basic Medical Biochemistry-A Clinical approach. Wolters Kluwer/ Lippincott Williams&Wilkins, Philadelphia, 2009.
2. Nada Majkić-Singh. Medicinska biohemija (Medical Biochemistry). Društvo medicinskih biohemičara Srbije (Society of Medical Biochemists of Serbia), Beograd, 2006.
3. Lejla Begić, Selma Berbić, Zlata Mujagić, Sadik Mehikić. Praktikum iz biohemije sa teoretskim osnovama, (Practicum for Biochemistry with theoretical bases), PrintCom, Tuzla, 2004.

22. Web sources:

23. Applicable starting from the academic year:

2012/13.

24. Adopted in the Faculty/Academy session: