SYLLABUS

1. Course title:

Biochemistry of cancer occurrence and development

2. Code:

3. Cycle of study:

2

4. ECTS credits:

3

5. Type of course:

○ Mandatory ◉ Elective

6. Prerequisites:

no

7. Class restrictions:

no

8. Duration / semester:

1 7

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 I and II Cycles)

12. Lecturer:

Adaleta Softić, associate professor

13. Lecturer's e-mail:

adaleta.mulaomerovic@untz.ba

14. Web site:

15. Course aims:

The aim of this course is to acquire knowledge about cancer causes, environmental factors that contribute to the development of this disease, molecular genetic basics of cancer development, malignant cell biochemistry, immune response to tumor, diagnostic methods, treatment and prevention.

16. Learning outcomes:

At the end of the semester, successful students, who continued to perform their duties throughout the academic year, will be trained to:
Based on theoretical knowledge acquired in the subject, the student is expected to understand basic molecular mechanisms of cancer development and development, malevolent cell biochemistry, and immune response to the tumor.

17. Course content:

Characteristics of Human Cancer. Causes of cancer. Epidemiology of Human Cancer. Biochemistry and cellular biology of cancer. Molecular genetics of cancer. Tumor Immunology. Diagnosing Cancer. The consequences of cancer and cancer therapy. Cancer Prevention.

18. Learning methods:

Biochemistry of cancer occurrence and development has a fund of 30 hours of theoretical teaching and seminars. Students are obliged to attend lectures and participate actively in them through discussion, based on already acquired theoretical knowledge.
Seminar work is mandatory as a team project.

19. Assessment methods:

The knowledge gained from the theoretical lessons will be tested through the test, through the activity and discussion during the lectures themselves (recording of the acquired knowledge on theoretical teaching and score as a lecture activity) and through the team seminar work.

The test is done in written form and consists of questions in the form of essays, questions with the typing of the answers requested and their interpretation, by typing the data into the designations in the schematic representation process. The final exam is about checking the knowledge of the test for students who have not passed the same during the course.

The final grade is formed on the basis of the score of partial exams, seminar work, attendance of lectures and activities in lectures.

Creating Final Score:
Based on the regularity of attendance, it is necessary to achieve a minimum of 2 points. The maximum number of points on this basis is 5.
The student is obliged to achieve at least 2 points through continuous activity in the classroom. The maximum number of points on this basis is 10.
A completed test is considered to work with a minimum of 42 points scored. The maximum number of points that can be obtained on the test is 70.
Successfully prepared and defended seminar work is evaluated with 15 points maximum, while minimum 8 points are necessary to achieve.
The points scored on all bases, defined by the silabus are counted, and based on the total number of points the (final) score is formed.

20. Assessment components:

0-53 Five (5) «Not satisfied» «F»
54-63 Six (6) «Sufficient» «E»
64-73 Seven (7) «Good» «D»
74-83 Eight (8) «Very good» «C»
84-93 Nine (9) «Extraordinary» «B»
94-100 Ten (10) «Excellent» «A»

21. Required reading list:

1. Ruddon W Raymond, Cancer Biology, Oxford University Press Inc., New York, 2007
2. Adaleta Softić - autorizovana predavanja

22. Web sources:

23. Applicable starting from the academic year:

2012/13

24. Adopted in the Faculty/Academy session: