SYLLABUS

1. Course title:

Cell as a cure

2. Code:

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3. Cycle of study:

1

4. ECTS credits:

3

5. Type of course:

○ Mandatory ◉ Elective

6. Prerequisites:

There are no prerequsites for studing this subject.

7. Class restrictions:

None.

8. Duration / semester:

1 3

9. Weekly contact hours:

	Semester (1)	Semester (2)
	2	
9.1. Lectures:	2	
9.2. Seminars:		
9.3. Laboratory/Practice classes:		

10. Faculty:

Faculty of Pharmacy

11. Department/study program:

Pharmacy (integrated 1st and 2nd cycles)

12. Lecturer:

Suada Ramic, phD;

13. Lecturer's e-mail:

suada.ramic@untz.ba

14. Web site:

www.ff.untz.ba

15. Course aims:

The aims of the course are to introduce the students with the regenerative medicine and possibilities of treatment with stem cells, the present findings and the perspective; tissue engineering and therapeutic application.

16. Learning outcomes:

Following the attendance of theoretical lectures, as well as active participation of the students in discussion, students are competent to understand the main principles of regenerative medicine and its possible application in the therapy of different diseases.

17. Course content:

- cell, structural and functional perfection,
- the secrets of the aging of the cells,
- embryonal and adult stem cells,
- regenerative medicine,
- banks of stem cells, frozen embryon, sperms and ova,
- tissue engineering, therapeutic cloning,
- teratogenous effects of medicaments,
- in vitro fertilization, amniotic fluid.

18. Learning methods:

Theoretical instructions: lectures with use of multimedia resources, active learning techniques, active participation and discussion of students;

19. Assessment methods:

The assessment methods are tests.
Tests are composed of different number of questions in some of the following forms: questions with multiple choices, questions with completion the answers, essays and schemes - recognition and description.

20. Assessment components:

During the 8. week of the semester, students accede the Test (cell, structural and functional perfection, the secrets of the aging of the cells, embryonal and adult stem cells, regenerative medicine) with maximum of 45 points and 24 points as minimum. At the end of the semester students accede the Final exam (banks of stem cells, frozen embryon, sperms and ova, tissue engineering, therapeutic cloning, teratogenous effects of medicaments, in vitro fertilization, amniotic fluid) with 50 points as maximum and 27 as minimum.
It is obligatory to achieve minimum points for each part of the exam.
Student also achieve between 2 and 4 points for attendance during teaching process.

21. Required reading list:

- prepared lectures from lecturer

22. Web sources:

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23. Applicable starting from the academic year:

2012/13

24. Adopted in the Faculty/Academy session: