SYLLABUS

1. Course title:

Software in the pharmaceutical industry

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 V

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:

All

12. Lecturer:

assoc. prof. Gordan Avdić, PhD

13. Lecturer's e-mail:

gordan.avdic@untz.ba

14. Web site:

www.frmf.untz.ba

15. Course aims:

The objectives of the course are that students master the basic knowledge of software use in the pharmaceutical industry. Students learn to recognize and define problems in this area that will resolve on the basis of methodology trained in lectures.

16. Learning outcomes:

At the end of the semester / course successful students, who during the whole educational period continuously perform their duties, will be able to: use available available literature regarding the resolution of the various problems of this course, solve problems of varying complexity and to present them in written or verbal form, understand the basics of the course, understand the significance of the course in solving various problems in practice.

17. Course content:

Silabus presentation, pharmaceutical management programs, pharmaceutical industry monitoring programs, pharmaceutical industry data acquisition programs, client - server applications, Chemoffice software package, Superpro Designer software package.

18. Learning methods:

Lectures using multimedia resources, techniques of active learning with active participation and discussion of students.

19. Assessment methods:

After half of the semester, students write a test (first inter-exam) that covers up to date topics from lectures and can reach up to 20 points. After completing the semester, the students write a test (second inter-exam) which covers the topics covered by the lectures and can achieve a maximum of 20 points.The final exam is written. On the final exam a student answers 10 questions from the program of the subject treated in lectures and exercises. Each correct answer is scored with 5 points. The final exam can be passed if the student has won 26 points. The maximum number of points a student can achieve at the oral exam is 50.

20. Assessment components:

Rating exam is based on the total number of points a student earned by completing pre-exam requirements and exams, according to the quality of the acquired knowledge and skills, and contains a maximum of 100 points, and is determined according to the following scale (points):

Attendance at lectures 7
Student activity 3
Tests 40
Total prerequisites given 50
Final Exam 26-50

21. Required reading list:

ChemOficce Tutorial, CambridgeSoft,
SuperPro Designer, Intelligen Suite,
Written materials from lectures.

22. Web sources:

23. Applicable starting from the academic year:

2012/13

24. Adopted in the Faculty/Academy session: