SYLLABUS

1. Course title:

INORGANIC CHEMISTRY

2. Code:

3. Cycle of study:

1

4. ECTS credits:

5

5. Type of course:

(•) Mandatory ( ) Elective

6. Prerequisites:

7. Class restrictions:

8. Duration / semester:

1 2

9. Weekly contact hours:

9.1. Lectures:	2
9.2. Seminars:	-
9.3. Laboratory/Practice classes:	2

10. Faculty:

Faculty of pharmacy

11. Department/study program:

12. Lecturer:

Dr. sc. Aida Crnkić, full professor

13. Lecturer's e-mail:

aida.crnkic@untz.ba

14. Web site:

15. Course aims:

The aim of course "Inorganic chemistry" is that the systematic approach to enable students to study the properties of chemical elements and their compounds based on the general rules, electronic configuration, the size of atoms and type of chemical bond. Students learn systematization elements in the periodic table, introducing first review of their common characteristics and their compounds. Particularly emphasized is the biological significance of the individual elements and their compounds as well as their application in pharmacy and medicine.

16. Learning outcomes:

At the end of the semester / course successful students, who during the entire period of teaching continuously perform their duties, will be able - to apply the knowledge gained in any other field of science in the field of chemistry and pharmacy,
- use available available literature regarding the resolution of the various problems of this course
- solve problems of varying complexity, individually and in a team and present the same in written or verbal form.

17. Course content:

Teaching units that are taught at the course during the semester:Periodic table of the elements. Periodicity properties of the elements.Nomenclature of inorganic compounds. General properties the elements of the p-i block.Noble gases. Hydrogen. The elements of the 17th group Periodic system ; 16th group elements of the PSE; 15th group elements of the PSE;14th group of elements of the PSE.Elements of the 13.th group;Elements 1st and 2nd group of the PSE. General properties elements of d- and f-block. Elements 3rd to 7th PSE.Elementi groups 8th, 9 th and 10th groups of the PSE.Elements 11.th and the 12th group of the PSE.The biological significance of the individual elements and their compounds as well as their application in pharmacy and medicine.

18. Learning methods:

Lectures with the use of multimedia resources, techniques of active learning and with the active participation and discussion of students; Laboratory (L) exercises; Consultations.
Attendance at laboratory exercises are required.
The presence of students is recorded by signatures of students.
The activity students at lectures and exercises are recorded.

19. Assessment methods:

Assesment students includes the following criteria:
1. Presence and activity in lectures and laboratory exercises
2. Laboratory reports (LV)
3. Colloquium
4. The written part of the exam (tests)
5. Final exam
On the basis of these criteria at the end of the course, the teacher will point rating of individual activities and adding points to form the final grade.

20. Assessment components:

Assessment - Criteria	Points
Laboratory exercises and colloqium	10
I test	20
Test II	20
Final exam	50
total	100

21. Required reading list:

1. I. Filipović, S. Lipanović, Opća i anorganska kemija, I i II dio, Školska knjiga, Zagreb, 1995.
2. A. Cipurković, Z. Hodžić, I. Tanjić, Preparativna neorganska hemija, Bosanska riječ, Tuzla, 2010.

22. Web sources:

23. Applicable starting from the academic year:

2012/13

24. Adopted in the Faculty/Academy session:

(max. 10 char.)