SYLLABUS

1. Course title:

Personal protective equipment

2. Code:

3. Cycle of study:

1

4. ECTS credits:

5

5. Type of course:

(•) Mandatory ( ) Elective

6. Prerequisites:

no prerequisites

7. Class restrictions:

no class restrictions

8. Duration / semester:

1 5

9. Weekly contact hours:

9.1. Lectures:	2
9.2. Seminars:	0
9.3. Laboratory/Practice classes:	2

10. Faculty:

Faculty of Technology

11. Department/study program:

Environmental protection engineering

12. Lecturer:

Abdel Đozić, assistant profesor

13. Lecturer's e-mail:

abdel.dozic@untz.ba

14. Web site:

www.tf.untz.ba

15. Course aims:

The aim of the course is to familiarize students with the types and characteristics of the system, tools and equipment of work safety that are necessary to use in the work processes that require it in accordance with the legal regulations, standards, instructions and regulations. Students are trained to identify work processes, identify dangers and hazards characteristic of industrial processes, and define systems, tools and equipment that must be used.

16. Learning outcomes:

Identify the various risks the worker is exposed to and based on these risks will be able to define the required level of protection and select the optimal level of protection by means of protective equipment.
Analyze and describe the essential characteristics of protective equipment for the protection of the head, hearing, sight, arms, feet, respiratory
Organs and bodies of danger.
Create a plan, program for supplying, distributing, maintaining and storing protective equipment, and training employees to use it.
Analyze content and properly interpret heteronomous autonomous propaganda in security legislation

17. Course content:

The level of risk factors, the state of technical-technological and organizational measures for protection at work in the workplace.
Intended use of personal protective equipment, maintenance, storage, proper cleaning after use, hygienic and technical aspects of use, disposal of used equipment. Personal Protective Equipment for Head, Eye, Face and Hearing Protection. Personal protective equipment for the protection of organs, personal protective equipment for fingers, personal protective equipment for leg protection, personal protective equipment for body protection. Typical protection against ionizing and nonionizing radiation, micro and macro-climatic protection clothing. Personal protective equipment for falls from depth to height, for working in water. Materials used for the manufacture of personal protective equipment, requirements to be met in respect of the protection provided. Protection systems and protective mechanisms in working with hand tools. Control system for the use of personal protective equipment and equipment.

18. Learning methods:

The following activities of successful learning are planned: concrete experience and reflection. Learning styles are preferred: visual style, auditory, logical-mathematical and stand-alone. The most important learning methods in the subject are:
- Lectures with the use of multimedia resources, active learning techniques and with active participation and student discussion;
- Experimental exercises

19. Assessment methods:

Throughout the course, students are required to regularly attend lectures and exercises. Students' attendance records will be regularly kept. On a special form, the subject teacher will continuously monitor the presence of each student. During the semester, the student can maximally abstain from three lectures and three exercises, where he is obliged to provide evidence of justification of non-attendance (medical certificate, and the like). In case of multiple unjustified absences, the student loses the right to sign the subject teacher.
• TESTS - Two tests during the semester for the oral exam. Each oral exam test consists of 20 short theoretical questions related to the material being studied and carries 15 points (min passage 8 points). The tests are performed approximately every six weeks of instruction, and the subject teacher will announce them to the students at least two weeks before each test.
• LABORATORY EXERCISES: the student is obliged to undertake all laboratory exercises and by exercising on the exercises he can achieve a maximum of 25 points (min. Passage 12 points).
• FINAL PART OF THE EXAM - Students who have compiled the required number of points according to all criteria (54 points) have the possibility to additionally (verbally or in writing) correspond to a higher closing score. The maximum number of points that can be reached on the final exam is 30. The minimum number of points to be compulsory on the final exam is 18.
All the students who did not meet one of the tests or who are not satisfied with the grade and who have completed all the obligations on the subject (have the signature of the subject teacher in the index) approach all exams. A student can not enter a grade if no tests have been passed.
• SEMINAR WORK OF STUDENTS: students have the opportunity to do one seminar work. Successfully prepared and defended seminar work is evaluated with a maximum of 10 points (minimum 6 points), which are added to the total number of points achieved on other bases in the formation of the final grade.

20. Assessment components:

The final grade is based on the total number of points obtained through pre-requisites and the final exam, according to the quality of the acquired knowledge and skills. It has a maximum of 100 points, according to the following scale:
Classroom attendance (P + V): 5 points
Activity in laboratory exercises: 25 points
Tests (theory): 30 points
Seminar work: 10 points
Final Exam: 30 points

21. Required reading list:

Stranks. P. (2006). The Health & Safety Handbook. Kogan Page Limited, 120 Pentonville Road, London, United Kingdom
Horvat, J., Regent, A. (2009). Osobna zaštitna oprema. Rijeka. Veleučilište u Rijeci

22. Web sources:

http//www.hse.gov.uk Safe use of work equipment. - HSE-book
http//www.clydesdale.net Arc Flash. Miscellaneous Tools, CLYDESDALE

23. Applicable starting from the academic year:

2015/2016

24. Adopted in the Faculty/Academy session: