

SYLLABUS

1. Course title:

Environmental Impact Assessment

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

7

9. Weekly contact hours:

9.1. Lectures:

3

9.2. Seminars:

1

9.3. Laboratory/Practice classes:

0

10. Faculty:

Faculty of Technology

11. Department/study program:

Chemical Engineering and Technologies / Ecological Engineering

12. Lecturer:

Abdel Dozić, assistant profesor

13. Lecturer's e-mail:

abdel.dozic@untz.ba

14. Web site:

www.tf.untz.ba

15. Course aims:

Development of active knowledge on the methodology for making environmental impact assessments
Mastering the process of producing documentation that precedes the issuance of environmental permits

16. Learning outcomes:

Identifies the benefits of legal regulation in drafting documentation in order to obtain an environmental permit
Create a Study on Impact on the Environment for the Industrial System
Create a Waste Management Plan for the Industrial System.
Create an Environmental Licensing Request for an Industrial System
Analyzes and comments on the results of environmental monitoring and draws conclusions on the impacts of pollutants on the environment

17. Course content:

Legislation in the field of environmental protection.
Excerpt from the draft Act of the relevant area.
Plant and Plant Location: Climatic Characteristics, Geological and Hydrogeological Characteristics of Wider Areas
Flora and fauna in the wider area of □□the site, Cultural and historical heritage and natural values, Population and Infrastructure. Description of plant and equipment and activities, description of the technological process of production. Emissions from plant / plant emissions. The nature and quantity of planned emissions from plant and plant to the environment (water, air and soil) as well as identification of significant environmental impacts. Measures to prevent production and to recover useful material
From the waste produced by the plant. Proposed measures to prevent or, if this is not possible
Reduction of emissions from the plant. Measures planned for monitoring emissions within the area. Evaluation of the potential for the emergence of water regime or water regime influence on the population, facilities and environment and measures to mitigate impacts.

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 discussion of students;
- Experimental exercises

19. Assessment methods:

Throughout the course, students are required to regularly come to 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:

Zakon o zaštiti okoliša ("Službene novine FBiH" br. 33/03 i 38/09)

Izazovi okolišne dozvole (2010) Sarajevo: Federalno ministarstvo okoliša i turizma

22. Web sources:

[http://www.fmoit.gov.ba/download/izazovi%20okolisne%20dozvole_final%20\(2\).pdf](http://www.fmoit.gov.ba/download/izazovi%20okolisne%20dozvole_final%20(2).pdf)

23. Applicable starting from the academic year:

2015/2016

24. Adopted in the Faculty/Academy session: