SYLLABUS

1. Course title:

URBANIZATION AND INDUSTRIAL OBJECTS

2. Code:

3. Cycle of study:

1

4. ECTS credits:

4

5. Type of course:

(•) Mandatory ( ) Elective

6. Prerequisites:

7. Class restrictions:

8. Duration / semester:

1 6

9. Weekly contact hours:

9.1. Lectures: 2

9.2. Seminars: 0

9.3. Laboratory/Practice classes: 1

10. Faculty:

Faculty of Technology

11. Department/study program:

Environmental Protection Engineering

12. Lecturer:

Nedim Suljić, associate professor

13. Lecturer's e-mail:

nedim.suljic@untz.ba

14. Web site:

www.tf.untz.ba

15. Course aims:

The educational goal of the course is to introduce students with the basic properties of urban and industrial objects as well as urban, regulatory and spatial planning. Introducing students with construction participants, building materials in urban areas, roads, wastewater, water supply for urban areas. During the course, students will be introduced to the basic concepts of industrial and other objects, the way of construction and the importance of strict compliance with applicable legal regulations in the field concerned.

16. Learning outcomes:

After the course, students will acquire basic knowledge about the importance and principles of urbanization and construction of industrial and other objects. They will be able to recognize and comply with these principles within a real business environment. They will be introduced to the role of all actors in the construction of facilities, implementation of system safety and protection of workers at work and in this way will gain the knowledge, necessary to implement the system in working communities. Students will be introduced with the importance of educating as wide a population as possible in order to reach an appropriate level of individual awareness.

17. Course content:

Introduction to urbanization; Historical development of urban systems; Participants in construction of buildings; Documentation for performing objects; Regulatory, Urban and Spatial Plans; Completion of construction of buildings and technical reception of the facility; Building materials; Ways of building objects; Industrial facilities by way of construction; Location for construction of industrial facilities; Roof systems of industrial and other buildings; Components of business facilities in urban areas; Structures in nature and urbanization; Roads in urban areas; City Roads, Towers, Gardens, Bicycle Trails; Flowing roads in urban environments; Water Supply Urban Areas; Drainage of wastewater from urban areas; Water management and its significance to urban systems; Degradation of terrain in urban areas; Remediation of degraded terrain in urban areas; Work protection during construction of buildings; Application of work safety in project documentation.

18. Learning methods:

Teaching methods are based on multimedia lectures and experimental exercises. In the lectures, problem frames are given, and the facts and theoretically approaches to the problem are analyzed, and on the exercises, teaching is done in interactive form and through practical work within laboratory exercises. Teaching methods imply that at least forty percent of time is devoted to the active participation of students, practical work with students.

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 be absent with a maximum of three lectures and three exercises, being obliged to bring proof of justification of absence (medical certificate, etc.). In the case of more unexcused absences, the student loses the right to the signature of the teacher.

• TESTS - Two tests throughout the semester, for the oral part of the exam. Each test for the oral part of the exam, consists of 10 short theoretical questions related to the previously processed material and carries 20 points. The subject teacher will announce them to the students at least two weeks before each test.

• LABORATORY EXERCISES: The student is obliged to do all laboratory exercises. Passed written part of the exam (practical) is a condition for entering the exam.

• FINAL PART OF THE EXAM - Students who have collected the required number of points by all criteria (up to 50 points), have the option to make a final grade on the final written and oral exam. The maximum number of points that can be achieved on the final exam is 50. The minimum number of points that must be scored for a positive grade is 54. All students who have completed all the obligations on the course (have the signature of the course teacher in the index) are approached by the final exam. The student can not enroll grade if not achieved the required number of points.

20. Assessment components:

The final grade is based on the total number of points obtained through pre-requisites and the final written exam. It contains a maximum of 100 points, according to the following scale:
Classroom attendance (P + V): 5 points;
Activity in laboratory exercises and lectures: 5 points
Tests (theory): 40 points
Final written exam: 50 points:
-grade 6 - 54 to 64 points;
-grade 7 - 65 to 74 points;
-grade 8 - 75 to 84 points;
-grade 9 - 85 to 94 points;
-grade10 - 95 to 100

21. Required reading list:

S.Milutinović, Urbanizacija i održivi razvoj, Univerzitet u Nišu, Fakultet zaštite na radu, Niš, 2004.
M.Vresk, Grad i urbanizacija, "Školska knjiga, Zagreb, 2002.
Lesson notes

22. Web sources:

www.nedim-suljic.hpage.com

23. Applicable starting from the academic year:

2015/2016

24. Adopted in the Faculty/Academy session: