SYLLABUS

1. Course title:

Basics of technical and traffic culture

2. Code:

3. Cycle of study:

1

4. ECTS credits:

4

5. Type of course:

(•) Mandatory ( ) Elective

6. Prerequisites:

There are not defined prerequisites for taking the subject.

7. Class restrictions:

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8. Duration / semester:

1 1

9. Weekly contact hours:

9.1. Lectures:	3
9.2. Seminars:	1
9.3. Laboratory/Practice classes:	0

10. Faculty:

Faculty of Humanities & Social Sciences

11. Department/study program:

TEACHER EDUCATION

12. Lecturer:

Dr. sci. Slađan Lovrić, associate professor

13. Lecturer's e-mail:

sladjan.lovric@untz.ba

14. Web site:

www.mf.untz.ba

15. Course aims:

The aim of the course "Fundamentals of Technical and Traffic Culture" is to acquaint first year students with the basic branches of technology and traffic. Through the teaching process (lectures / exercises) the goal is for students to acquire basic knowledge of certain parts of technology such as drawing techniques, basic mechanics, technical materials, technical systems / subsystems, etc. From the aspect of traffic the goal is to improve traffic safety. This can only be achieved systematically, through continuous learning, ie the acquisition of knowledge related to transport, which certainly includes very broad forms of social activity and is embedded in all activities of society in the form of transport of people and goods, water, oil, information or energy.

16. Learning outcomes:

At the end of the semester, successful students, who have continuously performed their duties during the one semester, will be able to implement the acquired basic knowledge of technology and traffic in everyday life, and to pass it on to younger generations.

17. Course content:

1. Introductory lectures (basic concepts of technology and traffic) ..... 3, 2. General concepts of drawing (Drawing accessories, types of drawings, drawing formats, scales, technical letter, header and component, lines) ..... 3, 3. Representation of a point in oblique and orthogonal projection ..... 3, 4. The concept of statics (rigid body and material point, basic laws of mechanics, basic quantities in mechanics and their units, methodological approach to solving problems in mechanics) ..... 3, 5. Problem and division of statics, axioms of statics, connections, types of connections and their reaction, system of opposing forces ..... 3, 6. Technical materials ..... 3, 7. Technical materials ..... 3, 8. Basic concepts of traffic as an integral social activity ..... 3, 9. Traffic regulation ..... 3,10. Psychophysical characteristics of drivers and other road users ..... 3, 11. Elements of active traffic safety ..... 3, 12. Elements of passive traffic safety ..... 3, 13. Traffic accidents and their causes ..... 3, 14. Basics of providing first aid to injured in a traffic accident ..... 3, 15. Basics of vehicle mechanics, vehicle fire and extinguishing 3

Auditory exercises

1. Tasks that include material from the basis of technical culture ..... 7, 2. Preparation for teaching the basics of technical and traffic culture ..... 2 + 4.

18. Learning methods:

Teaching methods that have been largely differentiated in the development of didactic theory and practice and that will be applied in learning the subject "Fundamentals of technical and traffic culture" are:

Orally presentation method,
Conversation method,
Method of illustrative works;
Demonstration method;
Method of written works;
Method of reading and working on text.

19. Assessment methods:

Examination of knowledge from the subject "Fundamentals of technical and traffic culture" consists of:

Pre-examination obligations
- defense of seminar paper / theoretical part,

- two continuous tests / theoretical part-questions / part with exercises - tasks.

The theoretical part consisting of five questions and part of the material from the auditory exercises 3 tasks are done in the same term in a given period of time, and related to the topic of study. The first continuous test is in the ninth week of classes, and the second in the fifteenth (at the end of the semester).

Final exams
At the end of the semester, the terms of the final regular and remedial exam deadlines are defined, where students can take the entire exam or the failed part of the exam without any restrictions.

Students on regular and remedial exams take the teaching material from the auditory exercises-assignments in writing, and the theoretical part of the material in writing and orally.

20. Assessment components:

The final grade on the exam is based on the total number of points that the student gained by fulfilling the pre-exam obligations and the points of the final exam. The student can achieve a maximum of 100 total points, of which at least 50 must be provided for pre-examination obligations.Student responsibilities:
Attendance at lectures ..... 7 points, Attendance at exercises ..... 5 points, Seminar paper / theoretical part ..... 10 points, The first continuous test of knowledge / theoretical part ..... 9 points, Second continuous test / theoretical part ..... 9 points, First continuous test / Tasks ..... 7 points, Second continuous test of knowledge / tasks ..... 7 points, Total pre-examination obligations ..... 54 points
Final exam .... 46 points
TOTAL: 100 pointsa)

21. Required reading list:

1) Dovniković, L. (1984): Technical Drawing, Faculty of Technical Sciences, University of Novi Sad.
2) Bilalović, A. (1999): The Road to Safe Driving, Infograph 1999. Tuzla.
3) Lindov, O. (2008): Road Traffic Safety, Faculty of Transport and Communications, University of Sarajevo.
4) Plazibat, B., Matoković, A., Vetma, V. (2020): Technical Mechanics I, University of Split.
5) Kudumović, DŽ. (2010): Materials I, Faculty of Mechanical Engineering, University of Tuzla.
6) Karić, A. (2013): Traffic Culture and Technology, University of Tuzla.

22. Web sources:

https://bs.wikipedia.org/wiki/
https://eubd.edu.ba/02-ID/023-Mon/

23. Applicable starting from the academic year:

2022/23

24. Adopted in the Faculty/Academy session: