

SYLLABUS

1. Course title:

Technical standards and regulations

2. Code:

3. Cycle of study:

1

4. ECTS credits:

3

5. Type of course:

Elective

6. Prerequisites:

7. Class restrictions:

First year students of the Faculty of Mechanical Engineering (I cycle of studies)

8. Duration / semester(s):

I

II

9. Weekly contact hours and student workload:

	Semester (1)	Semester (2)	(for two-semester courses)	Workload: (hours)
9.1. Lectures	3			Classes: 33,75
9.2. Seminars	0			Individual work: 49,58
9.3. Laboratory/Practice classes	0			In total: 83,33

10. Faculty:

Faculty of Mechanical Engineering

11. Department/study program:

Production engineering, Energy and thermo-fluid engineering, Mechatronics

12. Lecturer:

Dr. sci. Edis Nasić, Assistant professor

13. Course aims:

Acquiring basic knowledge of Technical standards and regulations.

14. Learning outcomes:

At the end of the semester/course, successful students, who continuously performed their duties during the entire teaching period, will be able to: master the basic knowledge in the valid Technical standards and regulations.

15. Course content:

1. Standards, basic concepts
2. Standards, national and international standards,
3. Modern standardization
4. International Organization for Standardization (ISO, IEC, ITU)
5. European Organization for Standardization (CEN, CENELEC, ETSI)
6. National Organization for Standardization (BAS)
7. First partial test
8. International Classification Standard (ICS)
9. Ways of making standards
10. The levels of compliance, methods of taking and labeling Standards
11. Standard numbers, standard width measures, standard diameter, curvature standards, standards for cones and slopes
12. Tolerances, measurement and verification of length dimensions, complex tolerances
13. Types of fit, quality surface treatment
14. Markings on drawings in mechanical engineering
15. Second partial test.

16. Learning methods:

Lectures, consultations.

17. Assessment methods:

The methods of knowledge assessment are:

- 2 tests (tasks),
- Final written or oral exam
- Make-up exam; theory test

Two tests will be held during the semester, each containing five theoretical questions. After achieving the minimum required number of points through attendance and tests, the student takes the final exam, which consists of a written or oral part (theory). Before the final exam, a student who has not achieved 50% of the points on any of the tests may take a make-up exam.

Grading system: (5) + (25) + (25) + (45) = (100) points.

Grade	Descriptive	Letter	For the number of points achieved
5 (five)	"does not meet the minimum criteria"	F,FX	<54 points
6 (six)	"meets the minimum criteria"	E	54-64 points
7 (seven)	"generally good, but with significant shortcomings"	D	65-74 points
8 (eight)	"average, with noticeable errors"	C	75-84 points
9 (nine)	"above average, with some errors"	B	85-94 points
10 (ten)	"exceptional success with no errors or with minor errors"	A	95-100 points

18. Assessment components:

Students mark is based on the total number of points a student earned by completing pre-exam requirements and exams, according to the quality of the acquired knowledge and skills, and contains a maximum of maximum 100 points, and is determined according to the following scale:

Student obligation	points
The presence on lectures, exercises and activity	5
2 pre-exam test	2x25
(pre-exam requirements, total)	(55)
Final exam: - written (theory)	45
Total: 100 points	

19. Mandatory reading list:

1. Tanović E.: Standardizacija, Institut za standardizaciju BiH, Sarajevo 2012.
2. Popović P., Živković V.: Osnovi standardizacije i metrologije, Beograd 2011.

20. Additional reading list:

1.Muratović P.:Elementi strojeva, Mašinski fakultet, Tuzla 1997.

21. Web sources:

22. Applicable from the academic year:

2024/25

23. Adopted in the Faculty/Academy session:

00.04.2025