SYLLABUS

1. Course title:

Terotechnology

2. Code:

Do not fill up

3. Cycle of study:

1

4. ECTS credits:

4

5. Type of course:

◉ Mandatory   ○ Elective

6. Prerequisites:

There is no

7. Class restrictions:

There is no

8. Duration / semester:

1   8

9. Weekly contact hours:

9.1. Lectures: 3

9.2. Seminars: 0

9.3. Laboratory/Practice classes: 1

10. Faculty:

Faculty of mechanical engineering

11. Department/study program:

Production Mechanical Engineering

12. Lecturer:

Dr. sc. Slađan Lovrić, assistant professor

13. Lecturer's e-mail:

sladjan.lovric@untz.ba

14. Web site:

www.mf.untz.ba

15. Course aims:

The main objective of the course "Terotechnology" is to understand the concepts, tasks and roles of the terotechnological approach to maintenance of technical systems, all in order to reduce the frequency (duration and duration) and maintenance costs (total costs), and master the necessary theoretical and practical skills from Areas of study of subjects.

16. Learning outcomes:

At the end of the semester, successful students, who continued to perform their duties throughout the academic year, will be trained to apply terotechnological rules in maintaining technical systems.

17. Course content:

Introduction to terotehnology, System Approach to Technical Maintenance, Effectiveness of Technical Systems, Maintenance of Technical Systems, Technique Maintenance Techniques, System Diagnostics, Maintenance Organization, Maintenance Technology, Maintenance Information System, Maintenance Costs, Maintenance Management, Spare Parts Management, Future Maintenance, Technical Diagnostic Techniques, Technical Diagnostic System, Technical Diagnostics System, Technical Progress Periods, Automation and Organization of Performing Technical Diagnosis, Subjective Technique Diagnostic Procedures, Technical Diagnostic Objectives, Diagnostic Monitoring Systems, Expert Diagnostic Systems, Diagnostics of New Technological Systems, Scientific Basis of Technical Diagnosis.

18. Learning methods:

Lectures, auditorial exercises, laboratory exercises, tests, seminar / graphic works and consultations

19. Assessment methods:

Defense of seminar / graphic works, tests (from the theoretical part), report from laboratory exercises, final exam (oral), correction exam (written and oral).

Defense of seminar / graphic works - student defends his / her work in front of the professor / assistant - answers questions asked;

• Tests (from the theoretical part) - the student solves questions in a given time period related to the subject of study;

• Tests (from the written part) - the student solves the assignment of tasks in a given time period related to the subject of study;

• Report on laboratory exercises - submission of reports on activities related to the realization of certain laboratory exercises, answering questions asked by the assistant;

• Final Exam - oral answer to the questions asked by professors;

20. Assessment components:

To get the student to get a signature in the index must be present at more than 70% of lectures and exercises.
Attendance 45 × 0,166 = 7,5; Exercise Exercises 30 × 0.166 = 5; Seminar work 1 × 10 = 10; Oral exam tests (2 tests) 2 × 7.5 = 15; Tests written exam (1 test) 1 × 7.5 = 7.5; Laboratory Exercise Report 1 × 12.5 = 12.5; Oral (final exam) exam 42.5 = 42.5 Total: 100 points

94-100 Ten (10)
84-83 Ninth (9)
74-83 Eight (8)
64-73 Seven (7)
54-63 Six (6)
≤54 Pet (5)

21. Required reading list:

1. Todorović J., Zelenović D .: Effectiveness of the system in machine, Scientific Book, Belgrade, 1981.
2. Adamović Ž .: Technical Maintenance Management System, OMO, Belgrade, 1986.
3. Adamović Ž .: Planning and Management of Maintenance by Computer, Belgrade

22. Web sources:

www.mf.untz.ba

23. Applicable starting from the academic year:

2015/16

24. Adopted in the Faculty/Academy session:

01.06.2015