SYLLABUS

1. Course title:

Storage processes and stock management

2. Code:

(max. 20 characters)

3. Cycle of study:

1

4. ECTS credits:

3

5. Type of course:

○ Mandatory ◉ Elective

6. Prerequisites:

(max. 110 characters)

7. Class restrictions:

None

8. Duration / semester:

1 6

9. Weekly contact hours:

9.1. Lectures: 2

9.2. Seminars: 1

9.3. Laboratory/Practice classes: 0

10. Faculty:

Faculty of Mechanical Engineering Tuzla

11. Department/study program:

Manufacturing Mechanical Engineering

12. Lecturer:

Ph.D. Alan Topčić, Associate Professor

13. Lecturer's e-mail:

alan.topcic@untz.ba

14. Web site:

www.mf.untz.ba

15. Course aims:

Understanding the basics of the storage processes and inventory management in production systems; Mastering the basics of modern approaches and concepts of designing and modeling the storage processes and inventory management in everyday industrial practice;

16. Learning outcomes:

Identification of the need for realization of the storage process; Analyze the impact of packaging and packaging on storage processes; Identify and propose methods and strategies for storaging; Design of storage; Define and classify stock in the production systems; Apply basic stock control models; Use relevant literature.

17. Course content:

Basics, Significance and Definition of Storage; Storage processes; Packaging and packing; Types of storage processes; Location of storage units; Layout of storage units in an industrial storages; Ways and strategies of storaging; Design of storages; Choice of storage location; Stock; Reasons for stockholding; Classification of stock; Costs of stockholding; Inventory management models

18. Learning methods:

LECTURES - theoretical lectures with the aim of acquiring theoretical skills supported by usage of multimedia tools and applying of active two-way communication on relation student - professor; AUDITORIAL EXERCISES – solving of practical calculation tasks related to to the subject matter of attached items, supported by of active two-way communication on relation student - assistant; Preparation and presentation of Seminar paper and Report about solving of practical problem based on solving specific project issues from subjects of studie

19. Assessment methods:

PRE-EXAM REQUIREMENT: Students write two tests from Lecture - theoretical part (after half semester - first test and at the end of the semester - second test) and two tests from the auditorial exercises (after half semester - first test and at the end of the semester - second test). Tests include previously treated topics within lectures and auditorial exercises. Theories tests are consist from of multiple choice tasks, tasks of simple recollection or essay tasks, where each correct answer is scored with 1 point, ie., the student can collect up to 8 points per test - 16 points for two tests. Tests from auditorial exercises are consist from calculation tasks, where each correct solution is scored with 1 point, ie., the student can collect up to 6 points per test - 12 points for two tests. All the tests are taken by all students in the course at the same time thereby achieving uniformity of the level of knowledge that is being tested, as well as the conditions under the which a students takes the exam.
As part of the pre-exam requirement, students are required to prepare an individual seminar paper and Report about solving of practical problem that will cover a specific topic from the content of the subject. The same must be submitted in writing to the subject teacher for review, evaluation and presentation. For the Seminar paper student can collect a maximum of 7 points, respectively, for Report about solving of practical problem the student can earn a maximum of 5 points. Students prepare, submit and presents a Report from laboratory exercises for which they can collect a maximum of 5 points.
For a continuous activity on lectures and exercises throughout the semester, the student can collect 22,5 points in lectures, 7,5 points at auditorial exercises.
The exam is oral. The right to access to the exam have a students who have fulfilled all the pre-exam requirement with more than 50% success, and were present in more than 70% of lectures and exercises. At the oral examination the student answers on five questions from the program of the subject treated in lectures and exercises. An oral exam can be passed if the student answers to all questions. The maximum number of points that student can achieve at the oral exam is 30 points. Checks on all forms of knowledge are recognized as a cumulative exam. In order to pass the course student must achieve a minimum of 54 cumulative points.

20. Assessment components:

The requirement for a signature in Index - presence in 70% of the lectures. The rating is based on the total number of points which student earned by completing pre-exam requirements and on exam. The maximum number of points are 100. Points are collected by fulfilling the obligations according to the following scale: attendance to the lecture (22,5 points), tests from theory (2 tests × 8 points), Seminar paper (7 points), attendance to the Auditorial Exercise (7,5 points), Calculation tasks tests (2 tests ×6 points), Report about solving of practical problem (5 points), Exam (30 points)

GRADING SYSTEM:

from 0 to 53 points - grade: 5 (five)
from 54 to 63 points - grade: 6 (six)
from 64 to 73 points - grade: 7 (seven)
from 74 to 83 points - grade: 8 (eight)
from 84 to 93 points - grade: 9 (nine)
from 94 to 100 points - grade: 10 (ten)

21. Required reading list:

Mileusnić N. (1990) „Unutrašnji transport i skladišta“, Naučna knjiga, Beograd
Oluić Č. (1997) "Skladištenje u industriji - Rukovanje materijalom", Fakultet strojarstva i brodogradnje Sveučilišta u Zagrebu, Zagreb

22. Web sources:

(max. 687 characters)

23. Applicable starting from the academic year:

2015/2016.

24. Adopted in the Faculty/Academy session:

03.06.2015.