Information sheet for the course
Maintenance Management

University: *Alexander Dubček University of Trenčín*

Faculty: *Faculty of special technology*

Course unit code: *UŠMT/I/2-44/d* | **Course unit title:** *Maintenance Management*

Type of course unit: *optional*

Planned types, learning activities and teaching methods:
Lectures 2 hours per week / laboratory work one hour per week

Number of credits: *3*

Recommended semester: *4st semester in the 2nd year (full-time)*
6th semester in the 3rd year (part-time)

Degree of study: *II. (engineer)*

Course prerequisites: *UŠMT/I/2-43/d Modern Concepts of Maintenance*

Assessment methods:
100% participation in exercises, fulfilling the objectives and conditions of exercise, min. 80% attendance at lectures, demonstrate knowledge of subject content in written and oral examination.

Learning outcomes of the course unit:
The student will acquire a comprehensive overview of maintenance, which is primarily a technical discipline, but needs quality management to be effective. The course provides a comprehensive set of information on the organization and maintenance management in the enterprise risk management, including maintenance of computer aided maintenance management.

Course contents:
Theory maintenance, basic concepts and definitions, target criteria for optimizing maintenance needs and planning and implementation. The choice of methods of maintenance, characterization methods, the basic steps of the selection methods, general algorithm selection methods. Preparation of input data and the development of normative maintenance, collection of data, identification data, normative wear costs to perform maintenance, downtime and normative evaluation. Implementation of maintenance methods in the planning and implementation of the algorithm steps and procedures, norms and indicators in implementation. Organizing equipment, computer support for management and maintenance organization, dedicated software products. Manage and organize the process of maintenance of machinery and mechanical systems, their rules and principles.

Recommended of required reading:
GRENČÍK, J. a kol.: Manažérstvo údržby. Synergia teórie a praxe. SSÚ. Košice 2013. ISBN 978-80-89522-03-3
STODOLA, J.: Úvod do teorie údržby. Univerzita obrany Brno. 2009. ISBN 978-80-7231-674-8
ŠTEFÁNIK, A.: Benchmarking - nástroj na zvyšovanie konkurencieschopnosti podniku. Vybrané kapitoly z podnikového manažmentu, vydal Medial, s.r.o. 2006, ISBN 80-969459-0-4-9

Language: *Slovak*

Remarks: *Subject is required.*

Evaluation history:
Total number of students being evaluated:

A	B	C	D	E	FX

Lecturers: *Assoc.prof. Ing. Viliam Cibulka, CSc., Ing. Monika Pilková, PhD.*

Last modification: *15.4.2014*

Supervisor: *prof. Ing. Alexej Chovanec, CSc., guarantee of the study program „Maintenance and Repair of Special Mobile Technology“.*