Information sheet for the course
Operation and disposal techniques

University: *Alexander Dubček University of Trenčín*

Faculty: *Faculty of special technology*

Course unit code: *UŠMT/I/2-42/d* | **Course unit title:** *Operation and disposal techniques*

Type of course unit: *compulsory*

Planned types, learning activities and teaching methods:
2 hours of lectures per week, 2 hours of exercise per week

Number of credits: *5*

Recommended semester: *2nd semester in the 1st year (full-time)*
4st semester in the 2nd year (part-time)

Degree of study: *II. (engineer)*

Course prerequisites: *none*

Assessment methods:
Continuous check 2 times during the semester. 100% participation in laboratory exercises, min. 80% attendance at lectures, meet the objectives of the laboratory exercises, correct preparation laboratory and individual works, demonstrate knowledge of subject content in written and oral examination in the form of tests.

Learning outcomes of the course unit:
The student will acquire a comprehensive overview of the technical, technological, regulatory, economic and environmental principles of operation and disposal techniques. You should be able to apply lectured issues in management practice, and understand the importance of following regions and measures, be able to apply the method of evaluation to establish and maintain the necessary documentation.

Course contents:
The impact of human factors on the operation of machines and equipment. Ensuring competence. Training. The impact properties of industrial products and requirements for safety, efficiency, economy of operation. Requirements for documentation and technical condition of machines and equipment. Control activities and standards. Operating documentation. Degradation effects technology. Effect of temperature. Changing the properties of selected components of vehicles in service. Traffic on the road. Transportation. Transportation of oversized loads. Characteristics of operation. Planning the operation of machines and equipment. Material ensuring operation of machines and equipment. Statistical evaluation of consumption, standard setting. Optimization and recovery planning and inventory. Control activities operate of machines and equipment. The negative effects of vehicles on the environment. Production, categorization and disposal. Waste management.

Recommended of required reading:
CHOVANEC, A. a kol.: Komplexná starostlivosť o stroje a zariadenia [vysokoškolská učebnica]. 1. vyd . - Trenčín : TnUAD, 2008. - 281 s. - ISBN 978-80-8075-351-1
ČORŇÁK, Š. - BALÍK, R. - BARTÁK, J. - ČERVENÝ, M. Provoz a údržba bojových a speciálních vozidel IV. Skriptum, UO Brno, 2008, 129 s. ISBN: 978-80-7321-581-9.
RAKYTA, M.: Údržba ako zdroj produktivity. Slovenské centrum produktivity. Žilina: 2002. ISBN 80-968324-3-3.
KOŠTURIAK J. - FROLÍK Z. a kolektív: Štíhly a inovatívny podnik. Alfa Publishing, 2006, ISBN 80-86851-38-9
Zákon č. 725/2004 Z. z. o podmienkach prevádzky vozidiel v premávke na pozemných komunikáciách Slovenské obranne štandardy

Language: *Slovak*

Remarks:
Compulsory course

Evaluation history:
Total number of students being evaluated:

A	B	C	D	E	FX

Lecturers: *prof. Ing. Alexej Chovanec, CSc.*
Ing. Lukáš Bridik, PhD.

Last modification: *15.4.2014*

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