



SUBJECT DATASHEET

Semester:	2009/10/2
Subject:	Materials Handling Equipments and Metal Structures I.
Code:	VEMKGEB243B
Responsible department:	Department of Mechanical Engineering
Responsible department code:	MKGE
Responsible lecturer:	dr. Imre Timár

Educational objectives:

Transfer of knowledge in the field of materials treatment, handling, feeding, storing, logistics, system-technical approach.

Detailed content of the subject:

Material transport, materials handling. Themes, terms. Overview, groups, technological connections. Characteristics of material to be transported. Basic machine elements used in materials handling equipments (ropes, chains, bellts, drums, breaks etc.) Elevating machine. Structural elements, establishments. Transporting machines. Continuous transport machines. Up-to-date transport chains. (Euro)pallets. Trucks. Air-flow material transport. Hydraulic transport. Dosage, feeding. Stores, storage. Silos, bunkers. Materials handling and process-control. Logistics.

Requirements:

2 test papers and 3 homework-studies

Required and suggested references:

Tanszéki összeállított anyag ill. az abban felsorolt további szakirodalom. Cselényi J. - Illés B.: Anyagmozgatás és gépei, Miskolci Egyetem, Miskolc, 1996. Greschik Gy.: Anyagmozgató gépek, Tankönyvkiadó, Budapest, 1981. Prezenszki József: Logisztika I, és Logisztika II, BME Mérnöktovábbképző Intézet, 1995. dr. Felföldi L.: Szállítástechnika, Tankönyvkiadó, Budapest, 1971