



COURSE DATASHEET

Semester:	2015/16/2
Course:	Material handling equipments and metal structures I.
Code:	VEMKGEB243B
Responsible department:	Institute of Mechanical Engineering
Department code:	MKGEI
Responsible instructor:	dr. Imre Timár

Course objectives:

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

Course content:

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, evaluation and grading:

2 test papers and 3 homework-studies

Required and recommended readings:

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