



SUBJECT DATASHEET

Semester:	2011/12/1
Subject:	Machine Elements II.
Code:	VEMKGEB112S
Responsible department:	Department of Mechanical Engineering
Responsible department code:	MKGE
Responsible lecturer:	dr. Pál Horváth

Educational objectives:

Learning the fundamentals of machine elements

Detailed content of the subject:

Design of Shafts under static load Design of Shafts under fatigue load Shaft couplings (permanent connection) Shaft couplings (part-time connection) Bearings (construction, installation) Calculation of bearings Journal bearings Flat belt drives Vee belt drives Friction drives Chain drives Shoe breaks Belt type Breaks Pipeline calculatin, pipe connections Pipe fixing, armatures, expansion joints

Requirements:

2 tests (common with practice)

Required and suggested references:

Szalczinger János: Gépelemek, Veszprémi Egyetemi Kiadó, Veszprém, 2004, VE 77/2004 Zsári Árpád: Gépelemek I., Zsári Árpád: Gépelemek II. Nemzeti Tankönyvkiadó, Budapest, 1989.