



SUBJECT DATASHEET

Semester:	2009/10/2
Subject:	Machine Elements III.
Code:	VEMKGEB244S
Responsible department:	Department of Mechanical Engineering
Responsible department code:	MKGE
Responsible lecturer:	dr. Pál Horváth

Educational objectives:

Learning the fundamentals of mechanical engineering

Detailed content of the subject:

Gears: basic terms Spur gearing: zero profile displacement Spur gearing: non zero profile displacement Strength calculation Helical gearing Bevel gearing Worm gearing Gear units Slider-crank mechanisms: construction, kinematics Slider-crank mechanisms: dynamics Springs basics Cylindrical compression spring Leaf springs, rubber springs Static seals Dynamic seals

Requirements:

2 tests, 2 drawings

Required and suggested references:

Szalczinger János: Gépelemek II. Zsári Árpád: Gépelemek I., Zsári Árpád: Gépelemek II.