



## COURSE DATASHEET

<b>Semester:</b>	2012/13/1
<b>Course:</b>	Machine Elements II.(Practice)
<b>Code:</b>	VEMKGEB122S
<b>Responsible department:</b>	Department of Mechanical Engineering
<b>Department code:</b>	MKGE
<b>Responsible instructor:</b>	dr. Pál Horváth

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### Course objectives:

Practice of the theoretical knowledge via examples

### Course content:

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

### Requirements, evaluation and grading:

2 tests (common with practice)

### Required and recommended readings:

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