UNIVERSITY OF PANNONIA

COURSE DATASHEET

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

Course objectives:

Practice of the theoretical knowledge via examles

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.