



COURSE DATASHEET

Semester:	2014/15/2
Course:	Machine Elements I.
Code:	VEMKGEB243S
Responsible department:	Institute of Mechanical Engineering
Department code:	MKGEI
Responsible instructor:	dr. Pál Horváth

Course objectives:

Learning the fundamentals of mechanical engineering

Course content:

Geometric Dimensioning and Tolerancing Model creation in mechanical engineering Forms of threads, elements of bolted connections, thread locking Power screws Calculation of bolted connections Calculation of bolted connections Shaft-hub connections: keys, splines Shaft-hub connections: pin connection, conical connection Press fit connection Rivetid connections Welded connections Welded connections Soldering Glued connections Calculation of shafts

Requirements, evaluation and grading:

2 tests, 2 drawings

Required and recommended readings:

Dr. Szalczinger J.: Gépelemek I. Veszprémi Egyetemi Kiadó, Veszprém, 1998.