



COURSE DATASHEET

Semester:	2014/15/1
Course:	Machine Elements and Presentation
Code:	VEMKGEB113V
Responsible department:	Institute of Mechanical Engineering
Department code:	MKGEI
Responsible instructor:	Dr. Sándor Verdes

Course objectives:

Learning the fundamentals of mechanical engineering

Course content:

Standardization (importance, possible functions, notations) Essential rules of making technical drawings
Strength of materials Materials testing Metallography of iron alloys. Classification of steels Heat treatment of steels Bolted connections, shaft-hub connections Riveting, welding, soldering Shafts, shaft seals Clutches Bearings Power transmissions Pipelines, armatures, pipe connections Pipe fixing, expansion joints Machines of chemical industry

Requirements, evaluation and grading:

2 tests, 2 drawings

Required and recommended readings:

Szalczinger János: Gépészeti alapismeretek c. tantárgy gépelemek fejezete. Veszprémi Egyetemi Kiadó, Veszprém 2002.