



# UNIVERSITY OF PANNONIA

## COURSE DATASHEET

<b>Semester:</b>	2012/13/1
<b>Course:</b>	Machine Elements and Presentation
<b>Code:</b>	VEMKGEB113V
<b>Responsible department:</b>	Department of Mechanical Engineering
<b>Department code:</b>	MKGE
<b>Responsible instructor:</b>	Dr. Sándor Verdes

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### 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.