



## SUBJECT DATASHEET

<b>Semester:</b>	2011/12/1
<b>Subject:</b>	Technical Drawing and Machine Construction
<b>Code:</b>	VEMLGEB113V
<b>Responsible department:</b>	Department of Mechanical Engineering
<b>Responsible department code:</b>	MKGE
<b>Responsible lecturer:</b>	Dr. Sándor Verdes

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### Educational objectives:

Learning the fundamentals of mechanical engineering

### Detailed content of the subject:

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
Riveting
Welding
Soldering
Shafts
Shaft-hub connections
Bearings
Shaft seals

### Requirements:

1 tests, 2 drawings

### Required and suggested references:

Szalczinger János: Gépészeti alapismeretek c. tantárgy gépelemek fejezete. Veszprémi Egyetemi



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### Required and suggested references:

Kiadó, Veszprém 2002.