



## SUBJECT DATASHEET

<b>Semester:</b>	2009/10/1
<b>Subject:</b>	Constructional Materials and their Technology III. (Lab. Pract.)
<b>Code:</b>	VEMKGEB133A
<b>Responsible department:</b>	Department of Applied Mechanical Engineering
<b>Responsible department code:</b>	MKAGT
<b>Responsible lecturer:</b>	Dr. Csaba Balázs

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### Educational objectives:

To know the students using of the different metallic constructional material.

### Detailed content of the subject:

Teaching of labour safety, assignment of groups. Cutting, grinding and shooting machines Boring, boring and turning Welding. Tearing test. Rupture test. Hardness tests. Calibration of material compound. Plantation of metal sample. Microscopical metallography, data processing. Heat treating and it's measuring. Corrosion, fatiguing and failer-digest tests Field trip. Test. Noise measuring and substitution.

### Requirements:

Minimum pass mark from papers (30 %) and all report of measurings.

### Required and suggested references:

Tisza Miklós: Anyagvizsgálat