



## COURSE DATASHEET

<b>Semester:</b>	2015/16/1
<b>Course:</b>	Constructional material and their technology III. Lab.pract
<b>Code:</b>	VEMKGEB133A
<b>Responsible department:</b>	Institute of Mechanical Engineering
<b>Department code:</b>	MKGEI
<b>Responsible instructor:</b>	dr. Pál Horváth

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### Course objectives:

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

### Course content:

Teaching of labour safety, assignment of groups. Cutting, grinding and shooting machines Boring, biting 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, evaluation and grading:

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

### Required and recommended readings:

Tisza Miklós: Anyagvizsgálat