



## SUBJECT DATASHEET

<b>Semester:</b>	2010/11/1
<b>Subject:</b>	Machine Industrial Production Technologies I.
<b>Code:</b>	VEMKGEB154T
<b>Responsible department:</b>	Department of Applied Mechanical Engineering
<b>Responsible department code:</b>	MKAGT
<b>Responsible lecturer:</b>	Dr. Sándor Verdes

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### Educational objectives:

The students will be able to apply in practice the informations given about the following fields.

### Detailed content of the subject:

Introduction in machining technology. The structure of the machining technologies. Classification of the manufacturing processes. Basics of the cutting procedure. The mechanism of cutting. Classification of the cutting tools. Geometry of the cutting tools. Tool life and materials. Turning, milling, shaving. Finishing. Grinding. Machine tools. The quality and economics of the machining technologies. Optimal machining parameters.

### Requirements:

1 test paper on the 8 th week of the semester.

### Required and suggested references:

Bálint L.-Gribovszki L.: A gépgyártástechnológia alapjai, Bp., TK. 1979.