



## COURSE DATASHEET

<b>Semester:</b>	2014/15/1
<b>Course:</b>	Machine Industrial Production Technologies I.
<b>Code:</b>	VEMKGEB154T
<b>Responsible department:</b>	Institute of Mechanical Engineering
<b>Department code:</b>	MKGEI
<b>Responsible instructor:</b>	Dr. Sándor Verdes

---

### Course objectives:

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

### Course content:

- 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, evaluation and grading:

1 test paper + 1 Laboratory report.

### Required and recommended readings:

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