



SUBJECT DATASHEET

Semester:	2011/12/1
Subject:	Machine Industrial Technologies
Code:	VEMKGEB312G
Responsible department:	Department of Mechanical Engineering
Responsible department code:	MKGE
Responsible lecturer:	dr. Pál Horváth

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 + 1 Laboratory report.

Required and suggested references:

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