UNIVERSITY OF PANNONIA

SUBJECT DATASHEET

Semester:	2011/12/1
Subject:	Machine Industrial Technologies
Code:	VEMLGEB312G
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 og 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.