



## COURSE DATASHEET

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| <b>Semester:</b>               | 2015/16/1                                     |
| <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.