



COURSE DATASHEET

Semester:	2012/13/2
Course:	Fine Mechanics
Code:	VEMKGEB143F
Responsible department:	Department of Mechanical Engineering
Department code:	MKGE
Responsible instructor:	dr. Imre Timár

Course objectives:

The common used fine mechanical parts and accessories in the mechatronic.

Course content:

The subject of the lecture of fine mechanics is the definition and classification of the element.
The basics of the sizing of element types.
Adhesive/material locking. Positive locking. Friction locking. Exercises and model applications.
Bearings. Guides. Exercises and model applications.
Translational motion elements. Obstructive elements for motion. Exercises and model applications.
Buffers. Brakes. Attenuators. Energy storage and motive elements. Operators and controllers.
Mechanism of the fine mechanics. Basics of mikromechanics.
Assembling of structural elements to device. Construction of measurement devices. Materials. Specialities.

Requirements, evaluation and grading:

Examination.

Required and recommended readings: