



## COURSE DATASHEET

<b>Semester:</b>	2014/15/2
<b>Course:</b>	Mechanical Construction Theory III. (Laboratory exercise)
<b>Code:</b>	VEMKGEB234S
<b>Responsible department:</b>	Institute of Mechanical Engineering
<b>Department code:</b>	MKGEI
<b>Responsible instructor:</b>	dr. Pál Horváth

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### Course objectives:

To give the students a good overview about the design softwares. Part modelling, assembly modelling, drawing with Autodesk Inventor.

### Course content:

Working methods of 3D parametric design softwares. General possibilities of the Inventor. Projects and basic settings. Modelling environment. Menus. Part modelling: sketching, feature building. i-Mates, i-Features. Using of parameters, i-Parts. Adaptive parts, adaptive features Sheet metal modelling. Assemblies, derived parts. Standard parts. Part modelling in assembly environment. Welded assemblies. Styles and Style-stores. Making of drawing templates. Drawing making about parts and assemblies. Presentation making.

### Requirements, evaluation and grading:

Taking part in excercises, successful test

### Required and recommended readings: