



COURSE DATASHEET

Semester:	2014/15/1
Course:	Mechanical Construction Theory III. (Laboratory exercise)
Code:	VEMKGEB234S
Responsible department:	Institute of Mechanical Engineering
Department code:	MKGEI
Responsible instructor:	dr. Pál Horváth

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: