ÓBUDA UNIVERSITY Bánki Donát, Faculty of Mechanical and Safety Engineering			Department of Machine Construction and Safety Techniques	
Name and code of the course:	**Engineering Communication (BGBEC1KTNC)** **2013/2014 Spring**			Credits *: 2*
Courses:	**Mechanical and Mechatronical Engineering**			
Responsible Lecturer:	**György Gyurecz**	Lecturers:	**György Gyurecz , Dr. Gábor Renner**	
Pre-Courses:	Géprajz Gépelemek I. (BGBGE11NNC vagy BGBGG11NNC vagy BGBGG11NEC) or equivalent			
Hours/weeks	Lectures:**1**	Practicies:**1**	Laboratory: **0**	Consultation: **0**
Method of Controls (s,v,f):	**test**			

Teaching material

Aims: *Engineering communication plays vital part in the global net of engineering. The course processes the Engineering Communication in the context of Engineering Design.*

SYLLABUS

Weeks	
1.	***Product model, computer aided drawing***
2.	*Basics of a computer aided drawing program, basic constructions*
3.	***Geometric models in CAD systems***
4.	*Examples of Engineering drawing construction, templates, dimensions*
5.	***Shape Modeling and Reconstruction***
6.	*Basics of a surface modeling program, creating curves and surfaces*
7.	**Surface evaluation**
8.	*Examples of freeform surface design*
9.	**Parametric design**
10.	*Basics of a 3D computer aided design program*
11.	***Feature based design***
12.	*Examples of engineering part design*
13.	*Examples of assembly and engineering drawing design*
14.	***TEST***

Validity of the semester and method of creating the semester mark:

The semester can be valid with as minimum as 50% of the test.

50% - 60%	*failed*
60% - 70%	*satisfactory*
70% - 80%	*medium*
80% - 90%	*good*
90% - 100%	*excellent*

Literature: - Lecture notes

- Ian Stroud, Hildegarde Nagy, **Solid modeling and CAD systems**, Springer 2012

Budapest, 2014.01.08.

György Gyurecz

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Responsible Lecturer