



COURSE DATASHEET

Semester:	2014/15/1
Course:	Hydraulics and Pneumatics
Code:	VEMKGEB153H
Responsible department:	Institute of Mechanical Engineering
Department code:	MKGEI
Responsible instructor:	dr. Imre Timár

Course objectives:

The students will be able to apply in practice the informations given about the following fields.

Course content:

Introduction in hydraulics and pneumatics The hydraulic energy The structure and the symbols of the hydraulic systems The pneumatic energy Controlling the pneumatic systems Using mechanical energy in controlling the hydraulics and pneumatics Electro-pneumatic systems. Sign-transformers Sensors. Logical elements. Combinatorial networks. The Karnaught method. Secventional networks. Designing the hydraulic and pneumatic systems.

Requirements, evaluation and grading:

1 test paper on the 8 th week of the semester.

Required and recommended readings:

FESTO: Pneumatika alapjai, Hidraulika alapjai