



COURSE DATASHEET

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| Semester: | 2012/13/1 |
| Course: | Hydraulics and Pneumatics |
| Code: | VEMKGEB153H |
| Responsible department: | Department of Applied Mechanical Engineering |
| Department code: | MKAGT |
| 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