

COURSE REGULATIONS
HYDRAULIC AND PNEUMATIC SYSTEMS

Academic year: 2021/2022

1) Type and duration of the classes:

Class type	Hours
Lecture	30

2) Requirements for students participation in classes

Since this is a lecture, according to §5 p. 21 WUT studies regulations, presence at this class is not obligatory.

3) Detailed description of students' knowledge verification:

The students' knowledge will be evaluated by means of preliminary power fluid circuit design (power fluid circuit project) and one written test (open book test). Detailed information concerning preliminary design subject and scope as well as the written test scope will be given during lectures.

The written test verifies students' ability to discuss different power fluid circuits (application, diagrams, advantages, disadvantages, etc.) and to perform calculations concerning head losses, pressure values, flow rates and heat generation and control.

4) The schedule of the written test and preliminary power fluid circuit design:

The written test takes place at the end of the course. Exact date is to will be provided by the tutor two weeks in advance. Project submission date will be provided by the tutor.

The results of the test as well as score for preliminary design will be published via USOS system individually for each student.

5) Information about using resources during the written test:

Written test is an individual work to be done by a student. Resources such as component datasheets and students' own notes can be used during the written test.

6) Detailed description of grading algorithm for the course:

To pass the whole class, a student must pass the test (T) as well as submit preliminary project (P).

The final grade (G) is calculated as follows:

$$G = 0,7*P + 0,3*T$$

The lecture grade (G) is calculated as follows:

$$4,75 \leq G \leq 5,0 \rightarrow G = 5,0$$

$$4,25 \leq G \leq 4,74 \rightarrow G = 4,5$$

$$3,75 \leq G \leq 4,24 \rightarrow G = 4,00$$

$$3,25 \leq G \leq 3,74 \rightarrow G = 3,5$$

$$3,00 \leq G \leq 3,24 \rightarrow G = 3,0$$

$$G \leq 2,74 \rightarrow G = 2,0$$

7) Additional information:

A student has right to access its graded test up to 3 months after the results publication (§7 p.7 WUT studies regulations).