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COURSE REGULATIONS

FUNDAMENTALS OF HYDRAULIC AND PNEUMATIC DRIVES

Academic year: 2021/2022

1) Type and duration of the classes:

	Class type	**Hours:**
1.	**Lecture class**	**30**
2.	Laboratory class	15

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 verified during the written exam. (two terms in winter session and one term in autumn session).
This course is divided on the lecture (30h) and the laboratory (15h). Detailed description of students knowledge verification during the laboratory class is described in its regulations.
The exam verifies students knowledge i.e. if they know the basic designs of hydraulic and pneumatic systems elements, if they can formulate and apply design requirements for those elements, if they are aware of the physical limits of these components and hydraulic or pneumatic systems.

4) The schedule of the exams
Students knowledge will be verified during the written exam. (two terms in winter session and one term in autumn session).
The results of the exam will be published via USOS system individually for each student.

5) Information about possibility of using auxiliary materials during the exam:
The exam is an individual work to be done by a student. No auxiliary materials can be used during the exam. According to §7 p.6 WUT studies regulations, if the lecturer notices that a student copied the answer from someone or from somewhere, the exam is failed in current session.

6) **Detailed description of grading algorithm for the course:**
To pass the whole class, a student must pass the exam (E) and the laboratory (L).
The final grade (G) is calculated as follows:

$$G = (L + 2E)/3$$

The lecture grade (E) is calculated as follows:
$4{,}75 \leq E \leq 5{,}0$ $E = 5{,}0$
$4{,}25 \leq E \leq 4{,}74$ $E = 4{,}5$
$3{,}75 \leq E \leq 4{,}24$ $E = 4{,}0$

$3{,}25 \leq E \leq 3{,}74$ $E = 3{,}5$
$2{,}75 \leq E \leq 3{,}24$ $E = 3{,}0$
$E \leq 2{,}74$ $E = 2{,}0$

The laboratory grade calculation is described in its class regulations.

7) Additional information:

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

It is possible to increase the lecture grade from the exam (E) in winter session 2021/2022 by 1.0 if the student is active during the lecture.