



KON-C2004 - Mechatronics Basics, Lecture, 22.10.2024-12.12.2024

This course space end date is set to 12.12.2024 [Search Courses: KON-C2004](#)

- ?
- Assignments
- External tools
- Forums
- Questionnaires
- Quizzes
- Resources
- Turnitin Assignments


Syllabus

Course feedback

/ Department of Mechanical Engineering / KON-C2004 - Mechatronics Basics, Lecture, 22.10.2024-12.12.2024 / Sections / Week 2

- Course
- Grades
- Course feedback

Week 2



Lecture 3: Position sensors

Location: K1/213

Sensors for measuring position or movement: Linear and rotational encoders, time of flight, triangulation etc.



Lecture 3 recording

Lecture 3 recording. I managed to record it - first time without problems!



Lecture 4: AC motors, modeling a mechatronic system

Location: K1/216


AC motors, modeling a mechatronic system.



Lecture 4 2023 recording

Again, the sound was not recorded in zoom, despite the struggle. IT services contacted again. Recording from 2023.

Exercise 2: Sensors, modeling an electric motor (DL. 5.11. at 10:00 am)



2.1 Sensors for a forklift - 5 points



2.2 Position sensors - 5 points



2.3 DC motor modeling - 15 points



Modeling a DC motor in Simulink

PDF

Instructions for exercise 2.3.



Solutions for exercise round 2



Feedback round 2 - 1 point

By answering this feedback questionnaire, you get one credit. Questionnaire will be closed two weeks after exercise 2 is closed.

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