



# 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**

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## Related advanced courses

A list of more in-depth courses arranged in Aalto which are related to the topics dealt with in this course. You can participate in these to deepen your knowledge about the topics you are interested in.

This list is by no means all encompassing. If you feel like some course should be in this list, please inform the course staff.

### Mechatronics

- KON-C3003 - Mechatronics Exercises
- KON-C3004 - Mechanical and structural engineering laboratory
- MEC-E5001 - Mechatronic Machine Design
- MEC-E5002 - Mechatronics Project
- MEC-E5011 - Vehicle Mechatronics: Powertrain
- MEC-E5012 - Vehicle Mechatronics: Control

### Mechanisms

- EKO-C2011 - Koneensuunnittelu 2: Koneenosat
- EKO-C2012 - Koneensuunnittelu 3: Konstruktiot
- ELEC-C1320 - Robotics

### Hydraulics and pneumatics

- EKO-C2020 - Fluid Power Basics
- MEC-E5004 - Fluid Power Systems

### Measuring systems and sensors

- ELEC-C5230 -Digital signal processing basics
- ELEC-E5710 - Sensors and Measurement methods
- ELEC-E8118 - Robot vision

### Electromechanics, electric motors and their control

- ELEC-E8407 - Electromechanics
- ELEC-E8405 - Electric Drves
- ELEC-E8112 - Hybrid powertrains in vehicles

### Control systems and modeling

- ELEC-C1110 - Fundamentals of automation and control engineering
- ELEC-C1230 - Control engineering
- ELEC-E8116 - Model-based control systems
- ELEC-E8101 - Digital and optimal control
- ELEC-E8103 - Modelling, estimation and dynamic systems
- ELEC-E8111 - Autonomous mobile robots

### Microcontrollers, PLCs and communication

- ELEC-E8001 - Embedded real-time systems
- ELEC-C1210 - Automation 1

### Microelectromechanical systems

- ELEC-E8115- Micro- and nano robotics

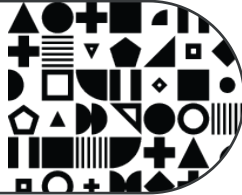


#### Discussion about related courses

Feel free to give recommendations about good advanced courses you might have taken. Negative feedback is also welcomed but please explain what was good or bad about the course. Specific questions about other than mechatronics courses should be directed to the people in charge of the course in question.

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Other material



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Exam 12.12.2024



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