

Technical Means of Automation

About the Course

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About the Course

Lectures:

- 2h/week, Monday, 13:00-15:00, room 641
- lecturer: Martin Kalúz (martin.kaluz@stuba.sk, office 666)
- presence: voluntary (but highly recommended)
- study materials: electronic (Moodle)

Laboratory exercises:

- 2h/week, Tuesday, 10:00-12:00, room: 639
- instructor: Martin Kalúz
- presence: mandatory

Final assessment

Course: final exam/project (5 credits)

Lab. exercises: reports, quizzes

Requirements for final grade:

- passed lab. exercises
- accomplishment of all assignments
- 56% of all points from the course

Grade calculation:

- 30% quizzes
- 30% assignments
- 40% final exam

Content of the Lectures

Technical means of automation:

- basics of electricity / electronic circuits
- physical equipment of automated systems
- description and structure of components
- principles and nature of operation
- interconnection and overall image

Three main chapters:

- sensors
- actuators
- control and information systems