

Home

Course Information

Course Supervisor

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Teachers

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Schedule

| Week | Date | Topic | Test |
|------|----------|--|------|
| 2. | March 7 | Course requirements. Introduction, System setup. | - |
| 4. | March 21 | Linux, ROS introduction. | - |
| 5. | March 28 | Python principles, ROS Publisher, ROS Subscriber. Projekt labor I. | - |
| 6. | April 4 | ROS 2 Launch, ROS 2 Param, ROS 2 Bag. | - |
| 8. | April 18 | Git. Project lab I. | - |
| 9. | April 25 | Principles of robotics, da Vinci I. | - |

| Week | Date | Topic | Test |
|-------|--------|--|------------------------|
| 10. | May 2 | Principles of robotics, da Vinci II. | - |
| 11. | May 9 | Kinematics, Inverse kinematics I. | - |
| 12. | May 16 | Kinematics, Inverse kinematics II. | - |
| 13. | May 23 | Project lab II. | - |
| 14. | May 30 | Project presentations. | Test |
| 14+1. | June 6 | - | Test retake |



Warning

The schedule may change during the semester!

Course Requirements

Project

- Proved to be the student's own work
- Running results valid output
- Grading: completeness of the solution, proper ROS communication, proper structure of the program, quality of implementation, documentation

Grading

Personal attendance on the classes is mandatory (min 70%).

To pass the course, Tests and the Project must be passed (grade 2). One of the Test can be taken again.

Grade

$$\backslash(\text{Grade} = (\text{Test1} + \text{Test2} + 2 \times \text{Project}) / 4)$$

Antal Bejczy Center for Intelligent Robotics (BARK/IROB)



ÓBUDAI EGYETEM
BEJCZY ANTAL INTELLIGENS
ROBOTTECHNIKAI KÖZPONT



<https://irob.uni-obuda.hu>

irob-saf

(iRob Surgical Automation Framework)



<https://github.com/ABC-iRobotics/irob-saf>

PlatypOUs

<https://github.com/ABC-iRobotics/PlatypOUs-Mobile-Robot-Platform>