



# Home

## Course Information

### Course Supervisor

Dr. Péter Galambos

[peter.galambos@irob.uni-obuda.hu](mailto:peter.galambos@irob.uni-obuda.hu)

### Teachers

Tamás D. Nagy

[tamas.daniel.nagy@irob.uni-obuda.hu](mailto:tamas.daniel.nagy@irob.uni-obuda.hu)

Borsa Détár

[detar.borsa@gmail.com](mailto:detar.borsa@gmail.com)

## Schedule

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

Week	Date	Topic	Test
10.	May 2	<a href="#">Principles of robotics, da Vinci II.</a>	-
11.	May 9	<a href="#">Kinematics, Inverse kinematics I.</a>	-
12.	May 16	<a href="#">Kinematics, Inverse kinematics II.</a>	-
13.	May 23	Project lab II.	-
14.	May 30	Project presentations.	<b>Test</b>
14+1.	June 6	-	<b>Test retake</b>

#### **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

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

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>