

Multimedia systems

Laboratory exercises



Software

Exercises in Python - Jupyter (IPython)

- Lab.vicos.si - JupyterHub
- Local Docker image
<https://cloud.docker.com/repository/docker/lukacu/jupyter-multimedia-systems>
- Google Colab

NOTE: exercises must be submitted to Učilnica



Rules of the “game”

- 5 exercises
- Mandatory tasks (up to 70 points)
 - Graded as the whole assignment
 - No per-task points
- Optional tasks (+ N points)
 - Advanced or more work
 - Inspected individually

Hand-in rules

- Functional Jupyter notebook only
 - Only notebook, no resources
 - Will be executed, cell by cell
 - Self-contained, no external files
 - Works in local notebook folder
 - Standard packages (specified by assignment)
 - Time limit
- Do not modify assignment structure
 - Some grading may be done automatically
 - Write your code to the assigned cells
- Timely hand-in
 - Late hand-in possible for one exercise only
 - Medical exceptions apply

Oral defense

- Random selection
 - Every student should present at least one
- Plagiarism suspicion
 - Code looks too similar
- Code does not work
 - Code does not run
 - Code does not do what it is supposed to do

Oral defense

- Will be notified a week in advance
 - Prepare yourself
 - Excuses of doing work weeks ago does not count
 - Make sure your code works
- At your designated lab session
 - You should be available

Exercises at a glance

Exercise 1 – Image processing

Exercise 2 – Video processing

Exercise 3 – Audio processing

Exercise 4 – Compression in multimedia

Exercise 5 – Content Retrieval (text and image retrieval)

Week overview

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Available		1			2		3		4		5					
Handin					1			2		3		4		5		