

# Tartalomjegyzék

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## General informations

- Lecturer: Ferenc Wettl (`wettl`)
- Lab: Muhammad Imran (`imran`)
- **Lecture**
  - ◆ Monday 9:15?10:00 H406
- **Lab**
  - ◆ Wednesday 12:15?14:00 H601

## Requirements

### Course Requirements

## Midterms

The midterms will worth 20 points each. You have to reach a minimum of 10 points in every midterm!

1. midterm: 2021-03-12 Friday 10:15
    - ◆ repetition: 2021-03-26 Friday 10:15
  2. midterm: 2021-04-16 Friday 10:15
    - ◆ repetition: 2021-04-30 Friday 10:30
  3. midterm: 2021-05-14 Friday 10:15
    - ◆ repetition: 2021-05-21 Friday 10:15
- extra repetition:
    - ◆ You can repeat only one of the previously failed midterms.

## Quick Quiz

At the beginning of every lab, there will be a Kahoot! quiz, testing the previous material.

- <https://kahoot.it/>
- The maximum point (for the semester) is 10
- You have to reach a minimum of 5

## Lectures

The lectures can be read in html format or you can run them as jupyter notebook.

1. Getting started with Python [ipynb html](#)
2. Loops, lists [ipynb html](#) (The fields In [1] ? In [29] was in the lecture, the others are for the lab)
3. Functions [ipynb html](#)
4. Data structures [ipynb html](#)
5. More on strings [ipynb html](#)
6. OOP 1 [ipynb html](#)
7. OOP 2, Exceptions, Iterators [ipynb html](#)
8. Functions 2 [ipynb html](#)
9. File operations and running Python from command line [ipynb html](#) [E0.csv](#)
10. Programming strategies [ipynb html](#)
11. Binary trees [ipynb html](#)
12. Modules [ipynb html](#)
13. List comprehensions, generator expressions, lambda [ipynb html](#)

## Labs

We will use [jupyter.math.bme.hu](http://jupyter.math.bme.hu) on the labs. You can start a similar notebook with the command `jupyter notebook` on your computer (if it is installed).

1. [lab](#)
2. [lab](#)
3. [lab](#)
4. [lab](#)
5. [lab](#)
6. [lab](#)
7. [lab](#)
8. [lab](#)
9. [lab](#)
10. [lab](#)
11. [lab](#)
12. [lab](#)
13. [lab](#)

## Homework

- There will be 40 points of homeworks during the semester
  - ◆ 30 points is considered a 100% so there is 10 points of extra homework
  - ◆ You have to reach at least 15 points at the end of the semester
- You have to submit the homeworks to **en1infohazi@gmail.com**
- Use your math account!
- The exercises should be submitted as an attachment file with the same name as the exercise.

For example, the exercise `fahrenheit` should be submitted by sending an email to the given address (before the deadline) with an attachment `fahrenheit.py`, a plain text file containing your code.

You can make such a text file with [Notepad++](#) or in jupyter with **New -> Text File**.

## Homeworks

1. Homework (Deadline: 23-02-2021, 23:59)
2. Homework (Deadline: 02-03-2021, 23:59)
3. Homework (Deadline: 09-03-2021, 23:59)
4. Homework (Deadline: 30-03-2021, 23:59)
5. Homework (Deadline: 13-04-2021, 23:59)
6. Homework (Deadline: 20-04-2021, 23:59)
7. Homework (Deadline: 10-05-2021, 23:59)
8. Homework (Deadline: 17-05-2021, 23:59)
9. Homework (Deadline: 24-05-2021, 23:59)