

First steps (Numerical Methods, BMEEOFTMK51)

- Check the Numerical methods subject web page in moodle (edu.epito.bme.hu). All the necessary information are there!

(<https://edu.epito.bme.hu/local/coursepublicity/publiccourses.php?publicityid=1971>)

- Intsall Matlab to your computer using a BME email address or use online Matlab (Toolboxis needed: Symbolic Math, Optimization, Global optimization, Mapping, Image Processing, Curve Fitting, Statistics and Machine Learning)

- Please create a MathWorks Account and solve the [Matlab Onramp](#) online tasks!

- Check the [Detailed course schedule](#)

(<https://edu.epito.bme.hu/local/coursepublicity/mod/resource/view.php?id=84172>)

- Read the related materials from the subjects web page if you missed some classes and solve the related tasks.

- You can check recorded videos also from 2020/21:

<https://edu.epito.bme.hu/local/coursepublicity/mod/page/view.php?id=88789>

About the semester in detail

- The [detailed course schedule](#) for every course is on the [moodle site](#) (<https://edu.epito.bme.hu>)
- We'll keep the moodle site up-to-date. You can find there all necessary info. Each actual practice materials will be available at the 'Materials by lecturers' part in the folder of your lecturer.

Requirements

100 points can be achieved in the semester, 50 points are required to pass

- 2 Midterm Tests (35 points each, min. 15 points each, max. 70 points)
- 10 practice exercises (3 points each, max. 30 points, each task can be solved twice, the last result counts.)
- There will be optional homework for ten extra points for small groups of 3-4 students.

You can only retake the tests, which got a minimum requirement!

Please keep in mind: if you only pass the midterms with min. points, you need to get more points from other sources above to pass the 50 point limit!

Midterm Tests

- 35 points each, min. requirement is 15 points.
- 1st midterm test: **7th educational Week,**
- 2nd midterm test: **14th educational Week**

Practice tests

- These exercises are short tasks related to a specific topic.
- 3-3 points can be achieved by solving the tasks
- These are available for at least one week after the related topic. You'll see the due date on the moodle site.
- Each task can be solved twice, the last result counts.
- The first task is a bit longer; therefore, it has a more extended due date:
 - Please do the official [Matlab Onramp](https://www.mathworks.com/learn/tutorials/matlab-onramp.html) tutorial that covers the basics of Matlab usage!(<https://www.mathworks.com/learn/tutorials/matlab-onramp.html>)

Matlab

During the practices we'll work in a MATLAB environment, you can also install it at home with a Campus license, just follow the related guide on the subjects website!

Toolboxes to install: Symbolic Math, Optimization, Global optimization, Mapping, Image Processing, Curve Fitting, Statistics and Machine Learning