



Introduction to scientific programming with Matlab

The objective of the course is to provide students on the verge of starting bachelor and master programmes with preliminary notions of scientific programming in Matlab. Lessons will be taught remotely in English.

Contents:

- 1 - The MATLAB environment: Get started
- 2 - MATLAB operators and simple calculations
- 3 - Formulas and functions
- 4 - Vectors and matrices in MATLAB
- 5 - Matrix operations and functions
- 6 - Exercises
- 7 - Algorithms and structures
- 8 - MATLAB scripts and functions (m-files)
- 9 - Control structures (if...then, loops)
- 10 - Postprocessing with Matlab
- 11 - MATLAB graphic functions
- 12 - Review and hands-on session

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Time: 4 x 3 hours

Dates: 08/09/2026: from 14h:00 to 17h:00
10/09/2026: from 14h:00 to 17h:00
15/09/2026: from 14h:00 to 17h:00
17/09/2026: from 14h:00 to 17h:00

Classroom: zoom link to be provided