

MATLAB Basics: Working with the Environment

Course code: HSMATLAB1

You will be introduced to the interactive way of working, which provides quick and easy access to your data.

Who is the course for

Intended for everyone who is starting to work with the MATLAB environment.

What we teach you

You will learn how to work with the basic tools of the MATLAB environment. You will learn how to use your data in the form of variables, how to perform calculations using built-in functions, and how to plot them in graphs. You will become familiar with tools that will help you load data into the MATLAB environment and save them back to files. You will also learn how to write your calculations into computational scripts, how to run them, and how to use them to obtain both numerical and graphical outputs.

Required skills

- No prior knowledge of MATLAB is required.

Teaching materials

- Printed lecture in Czech/Slovak language, certificate of completion.

Course outline

- Working in the MATLAB user interface
- Introduction to the MATLAB language, basic functions, and commands
- Entering commands and working with variables
- Analysis of vectors and matrices
- Visualization of vector and matrix data
- Loading and saving data
- Working with tabular data
- Combining commands into scripts and working with the MATLAB Editor

GOPAS Praha

Kodáňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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