



The Hebrew University of Jerusalem

Syllabus

Python the practical aspect - 6130

Last update 20-10-2020

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Cognitive and Brain Sciences

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Mr. Nitzan Guy

Coordinator Email: nitzan.guy@mail.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Mr. Nitzan Guy

Course/Module description:

A basic Python course. In the course we will learn how to convert algorithms to Python code and learn few useful packages for mathematical calculations.

Course/Module aims:

Learning outcomes - On successful completion of this module, students should be able to:

At the end of the course, the students will know how to program in Python language at a level that allows them to convert algorithms into Python code.

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:

- 1) Advanced programming
OOP
- 2) Performing and programming mathematical calculations
- 3) Useful python modules
(For example: numpy, pandas and scipy)
- 4) Graphs and simple experiments programming.
- 5) data analysis and simulations
- 7) Model analysis and networks.

Required Reading:

(will be updated in the future)

Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 50 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 50 %
home exam

Additional information:

** The final exam in 2021 will be a home exam.*