The Hebrew University of Jerusalem

Syllabus

programming in python - 76637

Last update 03-03-2025

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Programming Instruction Unit

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: E. Safra

Course/Module Coordinator: Hilla Moshieff

Coordinator Email: hila.mo@mail.huji.ac.il

Coordinator Office Hours: Tuesdyas 12:00-12:45

Teaching Staff:

Mr. ASAF RIMON

Course/Module description:
Familiarity with computer programming, learning programming and solving problems in Python.

Course/Module aims:
Presenting the computing principles, learning to program in Python.

Learning outcomes - On successful completion of this module, students should be able to:
Understand the principles of programming and program in Python.

Attendance requirements(%):
none

Teaching arrangement and method of instruction: Frontal lectures in a computer lab, weekly programming assignments. The lessons will be recorded and will be available to all students within about 24 hours after each lesson.

Course/Module Content:
Understanding the work environment - Python Interpreter
Variables, instructions, expressions, internal functions
Input output, use of files
Running programs
Strings
If statements, boolean conditions
Define functions
Loops.
Data structures.

Required Reading:
None

Additional Reading Material:
Google python course : https://developers.google.com/edu/python/
Python official documentation:
http://www.python.org/doc/

http://interactivepython.org/courselib/static/thinkcspy/index.html
http://cscircles.cemc.uwaterloo.ca/
http://www.greenteapress.com/thinkpython/thinkpython.pdf
http://en.wikibooks.org/wiki/Think_Python
http://files.swaroopch.com/python/byteofpython_120.pdf
http://www.itmaybeahack.com/book/python-2.6/html/index.html
http://learnpythonthehardway.org/book/
http://pymbook.readthedocs.org/en/latest/

Grading Scheme:

Written Exam % 85

Submission assignments during the semester: Exercises / Essays / Audits / Reports / Forum / Simulation / others 15 %

Additional information:

It is required to hand in at least 9 passing solutions to the weekly programming exercises to be eligible to take the final test and to receive 15 points of your final grade..