

## *The Hebrew University of Jerusalem*

### *Syllabus*

## **OBJECT ORIENTED PROGRAMMING WITH PYTHON FOR PSYCH. STUDENTS - 51719**

*Last update 21-09-2016*

*HU Credits:* 2

*Degree/Cycle:* 2nd degree (Master)

*Responsible Department:* psychology

*Academic year:* 0

*Semester:* 1st Semester

*Teaching Languages:* Hebrew

*Campus:* Mt. Scopus

*Course/Module Coordinator:* Dr. Arie Schlesinger

*Coordinator Email:* [aries@cs.huji.ac.il](mailto:aries@cs.huji.ac.il)

*Coordinator Office Hours:* by appointment

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Teaching Staff:

Dr. Arie Schlesinger

Course/Module description:

Study object oriented programming basics thru Python

Course/Module aims:

Acquiring programming knowledge

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

Ability to program in Python

Attendance requirements(%):

0

Teaching arrangement and method of instruction: frontal lectures + work in computers labs

Course/Module Content:

Data objects, Python containers, control structures, defining functions, files list/set comprehensions

Required Reading:

NA

Additional Reading Material:

Recommended: 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://en.wikibooks.org/wiki/Think_Python)

[http://files.swaroopch.com/python/byteofpython\\_120.pdf](http://files.swaroopch.com/python/byteofpython_120.pdf)

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<http://www.itmaybeahack.com/book/python-2.6/html/index.html>  
<http://learnpythonthehardway.org/book/>  
<http://pymbook.readthedocs.org/en/latest/>

Course/Module evaluation:

End of year written/oral examination 100 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

It is required to hand in 2/3 of the programming exercises.