Full Syllabus

Course Title

Python Programming for Biology

Lecturer

Lilach Hadany, Itay Mayrose (the course will be taught by the T.As)

Semester

2nd

Course requirements

Home assignments and a final project

Final grade components

10% Home assignments, 90% Final project

Course schedule

Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
23.02.22	intro, variables strings lists and loops
02.03.22	functions, dictionaries
09.03.22	File IO and Exceptions
16.03.22	regular expressions and packges/environemts
23.03.22	Object oriented programing
30.03.22	numpy, scipy
06.04.22	pandas and matplotlib
10.04.22	pandas and plotting part2
27.04.22	complexity and simulations
11.05.22	machine learning
18.05.22	machine learning (part 2)
25.05.22	setting up a work pipeline
01.06.22	Recitation

Required course reading

Optional course reading

Comments

The course will be taught by the T.As Darar Bega and Roni Kempinski