



# 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.)
15.03.22	intro, variables strings lists
22.03.22	loops and functions,
29.03.22	Dictionaries and File IO
19.04.22	regular expressions, packages/environments and Exceptions
03.05.22	numpy, intro to scipy and debugging
10.05.22	image analysis
17.05.23	pandas and matplotlib
24.05.23	pandas and plotting part2
31.05.23	statistics using python (& more scipy)
07.06.23	complexity and simulations
14.06.23	machine learning
21.06.23	setting up a work pipeline
28.06.23	Recitation

## Required course reading

## Optional course reading

## Comments

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