MGC course ' **Python programming** '

https://git.lumc.nl/courses/programming-course

Date: 12 – 15 October, 2020

Duration: 4 days: lectures in the morning, self-study assignments under supervision in the afternoon

Location: LUMC: J1-83

Registration form

The course is targeted at PhD students, Postdocs, or anyone willing to learn how to program in Python. Students are assumed to have some experience with programming and affinity with the UNIX shell and git is required. For this reason it is mandatory to follow our 'Practical Linux' and ' Code and data management with git' courses before.

The program consists of four mornings with lessons and some assignments to be done in your own time (i.e., during the afternoons).

Course is free of charge for MGC members. For people from outside these institutes the course fee is 400 euro. In case of no show participants from the MGC institutes will be charged 50 euro, other participants have to pay the full price.
There is a minimum of 10 and a maximum of 20 places. Should an edition of the course be oversubscribed then places will be allocated based on a first-come first-serve basis.

Program and Materials (based on 2019)

Day	Time	Lesson	Teacher
1	9-10	Welcome, Introduction to Python (1)	Mihai
	10-11	Introduction to Python (2)	Jeroen
	11-12	Introduction to Python (3)	Mihai
	12-13	Practical help	
2	9-10	Assignments review	
	10-11	More Python Goodness (1)	Mihai
	11-12	More Python Goodness (2)	Mihai
	12-13	Jupyter Notebook	Mark
3	9-10	Assignments review	
	10-11	Object-oriented programming	Jonathan
	11-12	Data mangling with pandas	Mark
	12-13	Data visualisation (1)	Guy
4	9-10	Assignments review	
	10-11	Data visualisation (2)	Guy
	11-12	Biopython	Guy
	12-13	Putting everything together	Jeroen

Some of the lessons are slideshows, whereas others are just notebooks we scroll through during class. The links above are all one-page static renderings on IPython Notebook Viewer.