Object Oriented Programming and Scripting in Python   2020-21 Edition

Timetable

Week	Lesson	Date	Time	Room	Contents	Teacher	Libraries	
1	1	Mon, Sep 13, 21	3-7pm	--	Python syntax, data types, control structures, functions and parameter passing, list comprehension, iterators, generators, etc. Practice	Giuliano		**4h**
	2	Tue, Sep 14, 21	3-7pm	--	OOP – Classes, objects, methods, inheritance, polymorphism Practice	Giuliano		**4h**
	3	Thu, Sep 16, 21	3-7pm	--	OOP – Function objects, decorators, operator overloading, design patterns Practice	Giuliano		**4h**
2	4	Mon, Sep 20, 21	3-7pm	--	DBMS handling Practice	Osvaldo	psycopg2, SQLAlchemy	**4h**
	5	Tue, Sep 21, 21	3-7pm	--	Programming with arrays and matrices (numpy) Plotting (matplotlib) Practice	Alessandro	numpy, matplotlib	**4h**
	6	Thu, Sep 23, 21	3-7pm	--	Scientific programming (scipy) Practice	Alessandro	numpy, scipy	**4h**
3	7	--to be defined	3-7pm	--	Data mining Practice	Giuliano	scikit-learn	**4h**
	8	--to be defined	3-7pm	--	Reflection and introspection Practice	Giuliano	inspect	**4h**

Teachers   Giuliano Armano
Alessandro Giuliani
Osvaldo Marullo

NB PhD students must attend all lessons
DSBAI students must attend lessons 2, 5, 6, 7
EEI students must attend lessons 1, 2, 3, 4, 5, 6 (lessons 7 and 8 are optional)

NB   The location will be communicated later on (link: https://groups.google.com/g/python-at-unica?pli=1)