

Introduction to Programming in Python

Module 5: Functions and Modules

Course responsible

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Co-lecturer

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Course References & Material

- Webpages of the course:
 - ★ <https://bit.ly/Intro2Python1920SSSA>
 - ▶ Slides and examples from the lectures, further materials and links
 - ★ <https://repl.it/student/classrooms/186198>
 - ▶ Weekly coding assignments
- Suggested book: M. Lutz, Learning Python.
- Well-done tutorial: <https://docs.python.org/3/tutorial/>
- Software
 - ★ Python: <https://www.python.org/>
 - ★ Suggested Python editor: JupyterLab <https://jupyter.org/>
 - ★ Setup your machine: <https://bit.ly/Intro2Python1920SSSA-setup>

Tentative Lecture Plan

#	Date	Time	Topic
1	16/04	17:30-19:30	Course introduction
2	20/04	15:00-18:00	Data types & operations
3	27/04	15:00-18:00	Collections
-	04/05	-	<i>Break</i>
4	11/05	15:00-18:00	Control and Repetition statements
-	18/05	-	<i>Break</i>
5	25/05	15:00-18:00	Functions & Modules
6	01/06	15:00-18:00	Exceptions and OOP
7	08/06	15:00-18:00	Basic data manipulation & visualization
-	TBD	TBD	Exam

Outline

① If statement

② Loop statements

While loops

For loops

③ Application to the official Italian COVID-19 data

How good are we so far

Kahoot quiz

- Go to <https://kahoot.it/>
- Type PIN **1759329**

Continue on Jupyter

<https://bit.ly/Intro2Python1920SSA-slides-code>