

Title	<b>Crash course on Python programming for the Humanities</b>
Teacher	Marco Rospocher ( <a href="mailto:marco.rospocher@univr.it">marco.rospocher@univr.it</a> )
Moodle Page	<a href="https://moodleidattica.univr.it/course/view.php?id=8706">https://moodleidattica.univr.it/course/view.php?id=8706</a>
Compulsory/free choice?	Compulsory for DH scholarship holders <i>(jointly organized by the two PhD programmes hosted by the Department of Foreign Languages and Literatures)</i>
Enrollment	Due to its lab-like nature, the course is open to max 20 students. Students interested in participating (including DH scholarship holders) should mandatorily send an enrollment request by email to the teacher by January 6, 2022. DH scholarship holders will have enrollment priority; others will be enrolled on a first-come-first-served basis, according to the available seats.
Teaching hours/ECTS credits	12/3
When?	12, 19, 26 January 2022, 9.00-13.00
Where?	UniVR - Aula T.7
Language of instruction	English
Assessment	In class
Learning outcomes	The course aims to provide students with the basic skills for programming a computer to solve problems using the Python language. At the end of the course the students: <ul style="list-style-type: none"> <li>• will know the Python data types and data structures;</li> <li>• will know the core programming constructs (sequence, selection, iteration) and how to implement them in Python;</li> <li>• will know how to use functions and organize a Python program according to the procedural programming paradigm;</li> <li>• will be able to write programs that use external Python modules.</li> </ul>
Course contents	<ul style="list-style-type: none"> <li>• Introduction to programming and Python</li> <li>• Data types (numbers, strings) and Variables</li> <li>• Decisions</li> <li>• Iterations</li> <li>• Functions and procedural programming</li> <li>• Lists, Sets and Dictionaries</li> <li>• Files</li> <li>• Python modules</li> </ul>

Reading

- Horstmann, C. S., & Necaise, R. D. (2019). *Python for everyone (3rd Edition)*. Hoboken, NJ: Wiley.
- How to Think Like a Computer Scientist (Learning with Python):  
<http://openbookproject.net/thinkcs/python/english3e/>
- Python 101: <http://python101.pythonlibrary.org/index.html>