

BSC 4930: Python Quick Start Summer A 2023

This course, offered for the biomedical trainees in the SF2UF and MARC programs is a brief introduction to high performance computing and the Python programming language. The goal of the course is to get users familiar with basic programming skills and data analysis in Python.

Instructors:

- Matt Gitzendanner, magitz@ufl.edu , Dickinson 301, (352) 273-1960
- Ian Lutticken, East Campus, i.lutticken@ufl.edu , (352) 273-0028
- Instructors are available for office hours before and after class as well as by appointment via email.

Textbook:

[Python for Everybody](#), a free online textbook (required)

Schedule:

Mon 5/15	Intro, logging into HiPerGator and UFRC Intro to Linux Command Line
Tues 5/16	Getting Started in Python and Py4E Ch 2 Variables and Types
Thurs 5/8	Py4E Ch3: Conditionals and Py4E: Functions
Mon 5/22	Py4E Ch 6: Strings and Py4E Ch7: File I/O
Tues 5/23	Py4E Ch 8: Lists and Py4E Ch 9&10: Dictionaries and Tuples
Thurs 5/25	Pandas Data Exploration/Visualization
Mon 5/29	No class: Memorial Day
Tues 5/30	Coding with GitHub Copilot and ChatGTP
Thurs 6/2	Mini project with data

Assignments and Grades:

The grade in this course will be 50% based on attendance and participation in the activities during class, and 50% on completing the mini project at the end of the course.

Required filler...

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies. [Click here to read the university attendance policies.](#)

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center. [Click here to get started with the Disability Resource Center.](#) It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

Grading will follow the [university grading policies.](#)

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.