

Python (Summer 2022)

Michael Voigt (michael.yh.voigt@gmail.com)

This class serves as an introduction to python by giving a brief overview of the fundamentals needed to perform beginner tasks in the language. Students are expected to download python on their device here (<https://www.python.org/downloads/>) prior to the first lesson.

Meets every Sunday from 7/24 to 9/11 at 2PM.

Day:	Lesson:	Topics:
1	Variables and Data Types	Variables, Strings, Numbers, Comments
2	Lists	Creating, Using, and Amending a list.
3	Lists (continued)	A more complex look at lists. (Numerical lists, slicing lists, tuples)
4	If, Else	If and Else statements, conditions, 'break' and 'try' commands
5	Dictionaries	What is a dictionary? Looping dictionaries, nesting dictionaries, key-value pairs
6	User Input, While, Functions	Using the input() command, while operator, and developing special functions.
7	Classes	What is a class? Inheritance, Instances, Attributes
8	Files	Reading and Writing on computer files (.txt), using the open() command.