Python for Beginners Syllabus

Instructor

Ruoyu Chen

Class Meeting Times:

We will meet on Tuesday and Friday of every week from June 21st to July 29th. Class will be held from 1-2 p.m. Central Time.

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Course Overview

In this Python for Beginners class, we will learn the essential topics of Python, do in-class practice, and apply it to a small project. This class will give you an introduction to basic programming ideas and skills. It will also help you understand and learn a widely used programming language. We will use https://www.online-python.com/ for practice. This class is preferably for students grades 4 and up.

Materials: a computer that can access the internet.

What We Will be Covering:

What is Python?

How to write and run a Python program

Basic Python syntax

Typical variables and operators

Strings, tuples, list, and dictionary

Control statements and loops

How to read and write a file

Course Schedule

Class	Subject
Class 1	Welcome and course introduction
Class 2	Basic python syntax and vocabulary
Class 3	Data types in Python: numbers and strings
Class 4	Operators
Class 5	Functions for string operations
Class 6	Functions for tuple operations
Class 7	Functions for list operations
Class 8	Functions for dictionary operations
Class 9	If statements
Class 10	For loop control
Class 11	Read and write files

Class	Subject
Class 12	Review and show your own programs