
Education Connects

Python: An Introductory Course

Spring 2020 Syllabus

Instructor: Stephen Xu stephen.xu.teach@gmail.com

Class Times: April 5 – April 15, 19:00-19:40

Class Location: Zoom, Link to be announced.

Course Description:

Over the years, Python has become one of the most versatile languages available today. In this 10-day course, you will learn the basics of Python 3 syntax, control flow, as well as data structures, and apply these to a project.

Prerequisites:

I believe that anyone can program, so there are no prerequisites. However, this material will most likely be new to most of the students and presented in a short span of time.

Software:

Setting up a Python environment is not trivial. Parents, if you have Python experience, you can set up a Python 3 IDE for your child. Otherwise, we will use <https://repl.it/>, an online IDE.

Communication:

You may email me any time during this course at the email provided above. If it is a programming question, please state the error, screenshot your code, and denote what you have tried to fix it.

Homework:

Homework will be assigned as small tasks up to the final project. A few days of the class towards the end will be dedicated to working on a final project and asking questions.

Topics:

Just like the whole virus situation, this schedule is tentative.

Daily Topic :

April 5 (Day 1) Intro to Python + Hello World

April 6 Numbers, Variables, and Variable Types

April 7 Strings and String formatting

April 8 Conditional Structures and Binary Logic (If statements)

April 9 Lists and Loops

April 10 Functions and Object Oriented Programming

April 11 (Day 7) Dictionaries

April 12 - 15 Final Project, Conclusion on last day

THANK YOU!!