Python Crash Course
2023 Syllabus & Course Expectations

About Me

Hello! My name is Colby Pryor, I am pleased to be working with you in this course. I am currently a software developer with WithYouWithMe. I come from a College background recently graduating Computer Programming at Algonquin College with a focus in Computer Vision as well as Web Applications, integrating my knowledge into my work along with personal projects. When I am not coding, I am volunteering with Skills Canada as a Provincial Technical Committee Member in Mobile Robotics. My teaching experience comes from running workshops as well as my military background with the Royal Canadian Navy. I am a hard working, dedicated, as well as strong programmer. **However, I am at my strongest when I am helping people learn like *you*.**

Course Outcomes

By the end of this course, you will have learned:

- Module 1: Basic Concepts of Python
- Module 2: Strings & Variables
- Module 3: Conditional Statements & Loops
- Module 4: File Handling & Exception Handling
- Module 5: Dictionaries, Tuples, Lists, and String Formatting
- Module 6: Functional Programming
- Module 7: OOP
- Module 8: Best Coding Principles

Evaluation Criteria

This crash course will be evaluated by the following:

- **Module Challenge (40%):** At the end of each module, you will be presented with a challenge in which you must complete the requirements found within.
    - **Each module challenge is 5% each.**
- **Capstone Projects (40%):** At the end of modules four and eight, you will be presented with a capstone. This will be a team effort and the grade will apply to all team members.
    - **Each capstone is worth 20% each.**
- **Final Project (20%):** At the end of the course, you will be presented with a final project. This is a culmination of everything that you have learned and can be completed in teams of two.

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Module Information & Timelines

Each module will contain two weeks worth of information; you will have a week to study the notes and complete the challenge, as well as another week for additional challenges found within the module to complete if you choose to do so. However, the module challenge must be completed on time. **Late submissions will NOT be accepted unless circumstances prevent you from submitting on time. Late submission policies will be highlighted in the module.**

Due dates will be outlined in this syllabus. Due dates are subject to change.

Code Review & Meetings

As required, I will meet with you to do a code review. This is common in the software world to go over your code piece by piece, and give feedback on your work. It is also a great opportunity for you to ask questions. Code review and meetings will be arranged on a case-by-case basis. **However, if you do have any questions please reach out via email, or arrange a meeting with me. *Please bear in mind that I work, so I may not be able to meet exactly when you desire.***

Team Interaction

Please note that for the capstone projects you will be placed into a team. All students will be invited to a Slack or Discord server and added to a given team. These capstone projects are a group effort that will assess your own personal performance and the performance of your team, similar to a work environment. The grade given will apply to the entire team.

Expectations

1. **Be Dedicated:** I am taking the time out of my work and day to help you become a proficient Python programmer. Please respect my time and I will respect yours, submit work on time and keep engaged so you don't miss out. **If I do notice however you are not sticking to the course, I will no longer teach you. This is voluntary.**

2. **Be Honest:** If you are unsure about something, or you are having trouble, **ask**. There is no bad question, just the ones that aren't asked.

3. **Be Respectful:** Respect the course, respect others, and yourself. Please note that you will be working in teams with people of various backgrounds and skill levels. Harassment will **not** be tolerated and any incidents will be immediately remedied with removal from the course.

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Delivery

This course will be provided to you by means of using Google Classroom. Note that each module takes two weeks. In total, this course will take 26 weeks to complete (16 weeks modules, 4 weeks for capstones and 2 weeks for the final project). I have also based this schedule around the needs of students.

In order to pass this course, students must score a 50% or higher to receive a certificate.

Extensions & Exemptions

In the event that extenuating circumstances prevent you from completing an assessment, please notify your instructor as soon as possible. If warranted, extensions can be given for a maximum of **five days** following the original due date; or in extreme circumstances, a student can be exempted from that assessment. **Extensions and exemptions will be given at the instructor's discretion.**

Contact & Office Hours

If you need to contact me, please reach out via email at pryro.tech@gmail.com. I usually respond pretty quickly, but if your question is more complex it may take longer. I may also ask further questions or for clarification. **Please note that my office hours are from Monday to Friday between the hours of 5:00PM-10:00PM (NDT*). I do not answer emails or queries from the helpdesk channel during working hours. For a fast response, please contact me during my office hours.***

Dishonesty Policy, Copy Notice & Liability Notice

This course contains information that cannot be found on search engines, each challenge is unique and is not searchable. This is to prevent students from using other people's answers, and allows me to answer your questions as best as possible. I do have software that can check the similarities between your code and code from others, so do not do it. Any student found guilty of copying code will receive penalties. Be honest with yourself, try your best.

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BY CONTINUING IN THIS COURSE YOU AGREE TO ALL POLICIES AND REGULATIONS SET HEREIN, AND WILL HOLD COLBY PRYOR AND OR HIS ASSOCIATES HARMLESS IN THE EVENT OF INTENTIONAL OR UNINTENTIONAL DAMAGES TO YOUR COMPUTER SYSTEM OR PROPERTY BY THE IMPROPER OR PROPER APPLICATION OF THE CONCEPTS FOUND WITHIN THIS COURSE. THIS COURSE AND THE CONTENTS IS AVAILABLE TO YOU AT YOUR OWN RISK AND COLBY PRYOR AND OR HIS ASSOCIATES WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGES CAUSED DUE TO IMPROPER OR PROPER APPLICATION OF THE CONTENTS FOUND WITHIN.

Module / Capstone	**Due Date**
Course begins	January 15th
Module 1	January 29th
Module 2	February 12th
Module 3	February 26th
Module 4	March 12th
Capstone 1	March 26th
Module 5	April 9th
Module 6	April 23rd
Module 7	May 7th
Module 8	May 21st
Capstone 2	June 4th
Final Project	June 18th