



Princeton High School

Business and Technology Department

2023 GUIDELINES

Asynchronous Python Portfolio Project

Independent/Self-Study

FOR STUDENTS INTERESTED IN TAKING INTRO TO JAVA/OOP THAT HAVE NOT TAKEN THE PYTHON CLASS:

Students interested in demonstrating their ability to meet the Intro to Java/OOP coding prerequisite must complete the [Python Portfolio Project Application](#) in its entirety.

It is important to note that we encourage students who need special education support and non-native English speakers who require language support to apply.

Twenty-five seats are available. Applicants beyond the 25 seats will be waitlisted in the event of cancellations or the non-completion of portfolios. The portfolio requirements can be found on the second page of this document.

PLEASE NOTE:

- Students must currently attend PHS and be rising 10th, 11th, or 12th graders.
- **Students are expected to work independently. All instructional materials are provided through Canvas.**
- Completing this process does not guarantee a seat in an Intro to Java/OOP class.
- Successful completion of the portfolio process equates to meeting the coding prerequisite for the PHS Python course.
- The completion of this process is independent of any Princeton University course requirements

Portfolio Criteria

The items listed below are required for the student's portfolio to be considered for review.



Princeton High School

Business and Technology Department

2023 GUIDELINES

Asynchronous Python Portfolio Project

Independent/Self-Study

REQUIRED PORTFOLIO ITEMS

- Every program must include documentation and program output. Program's outlines will be available in Canvas.
- The portfolio must include program(s) the following general topics. More specific details are available in Canvas
 - Variables
 - Conditions (if/else)
 - Loops (for/while)
 - Collections (lists/arrays)
 - Functions/methods
- The Portfolio must include a culminating project similar to a game such as jeopardy or 2 player tic-tac-toe.
- The project should showcase the student's understanding of the coding language. The project does not need to be graphics-based but must include the use of a collection (list/array) and functions/methods.

ADDITIONALLY

- The Python Portfolio Project Application for 2023 and must be completed by 11:59 PM on Tuesday, **Mar 21, 2023**. **Maximum 25 students. Any additional individuals will be waitlisted.(Completing the Google form will precipitate the invitation to Canvas)**
- All students who applied by March 21st will be sent the status of their application by March 24th. **NOTE: The first 25 students who have successfully completed all of the required assignments in the course by the established deadlines and have successfully defended their project will be considered for placement.**
- Students must accept the Canvas Course invitation by **Mar 31, 2023** to be considered for placement into Java.

Course Assignment Requirements:

- Each assignment has a due date.This is designed to help you manage the workload.



Princeton High School

Business and Technology Department

2023 GUIDELINES

Asynchronous Python Portfolio Project

Independent/Self-Study

- There are several assignments that must be completed.
- All required assignments are due: June 26th
- Students are expected to complete and submit
 - All assignments marked as **Required**.
 - assignments without the (Required) category are intended to prepare the student with the knowledge base for assignments that must be submitted and the Final Project.
 - The Project Requirements Acknowledgment
 - The Project Proposal
 - The Project pseudocode or flowchart
- The Final Project is due: Friday, July 7th
- Students are expected to complete and submit
 - Final Project Implementation
 - Project Video Presentation

Responses Presentation: Between Friday, July 7th and Wednesday, July 12th, students will receive an email with questions related to their work. Students will answer the questions by creating a video presentation.

Presentation Responses are due: Wednesday, July 19, 2023

Students will be notified about the results of the review via email no later than Friday, July 28, 2023.

If you have any questions, send an email to Mrs. Marotta at ericamarotta@princetonk12.org