

Course Layout

This course is part of the specialization **Introduction to Programming with Python and Java**.

The specialization consists of 4 courses :

1. Introduction to Python Programming
2. Data Analysis using Python
3. Introduction to Java and Object-Oriented Programming
4. Inheritance and Data Structures in Java

Each of these courses will have 3-4 Modules of content. Typically, each module is expected to take a week to complete, assuming a time commitment of around 5-6 hrs/week.

Course Content Overview:

- **Videos:**

In this course you will notice a few different types of videos :

- **Video** : These are lecture videos. They may have the Instructor on screen, or feature his voice over slides or code in order to teach a concept.
- **Code Along Exercise video** : The Instructor uses these to lead students through coding problem examples. Students are expected to follow along on their local computer. Starter code files will be provided in the respective Module's resources.
- **Coding Demonstration video** : The Instructor uses these to demonstrate how to solve a sample coding problem. These videos are meant to show previously taught concepts in practical application. Students are not expected to follow along on their computer.
- **Readings** : Text-based instructional content, which sometimes include exercises and examples for students to work on on their own.
- **Module Resources:** At the beginning of each module you will find Module Resources, which include the slides that correspond to the lecture videos, as well as data sets and coding files students can download while working on Code Along Exercises.

Assessment and Activities:

- **2 Quizzes per Module** : These are short knowledge-check questions
- **1-2 assignments per Module:** These are programming assignments, which will be auto-graded.

Student Interaction and Support:

- **Discussion Forums** - Students may post to discussion forums on a weekly basis with any questions or thoughts on the course content. A special forum is provided for all questions about Codio. Course Staff and other students will respond at their earliest convenience.