# Python Course

**Phase 1: Getting Started with Python**

- **Lesson 1: Welcome to Python**
  - Introduction to Programming
  - Python Basics: Overview & First Script
  - Installing and Setting Up Python
- **Lesson 2: Building Blocks of Python**
  - Variables and Data Types
  - Taking User Input
  - Writing Comments and Documentation
- **Lesson 3: Decision Making and Loops**
  - Conditional Statements (if, elif, else)
  - Loops (for and while)
  - Basic Error Handling with `try` and `except`
- **Lesson 4: Functions that Power Python**
  - Defining and Calling Functions
  - Working with Parameters and Return Values
  - Understanding Lambda Functions

**Phase 2: Diving Deeper into Python**

- **Lesson 5: Mastering Lists and Tuples**
  - Introduction to Lists and Tuples
  - Common List Operations and Methods
  - Using List Comprehensions for Efficiency
- **Lesson 6: Leveraging Sets and Dictionaries**
  - Understanding Sets and Dictionaries
  - Dictionary Comprehensions
  - Real-world Examples
- **Lesson 7: Organizing Code with Modules**
  - Importing and Using Modules
  - Overview of the Python Standard Library
  - Creating Custom Modules and Functions