COURSE SYLLABUS

Intro to Python Programming

This Python course is designed to teach students how to code from scratch and become proficient in programming with Python. Students will learn the syntax, principles, and thought processes involved in programming while gaining a solid foundation for further studies in data science or web development.

For more information, visit
https://www.creativelive.com/classes/intro-to-python-programming



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Course Outline

Python Fundamentals

Data Types & Variables

- Statements & Expressions
- Variables
- Integers & Floats
- Strings

Data Structures & Attributes

- Functions & Methods
- Lists
- Indexing & Slicing
- Booleans

Structuring Programs

Complex Data Structures & Control Flow

- Dictionaries
- Conditional Statements
- For Loops
- Creating Functions

Packages & Object Oriented Programming

- Classes & Objects
- Modules & Imports
- Packages & Documentation