Variables

Lists

Functions

While-Loop

Methods

Match-case

For-loop

Type-conversion

List Indices

Tuples

Enumerate

F-Strings

Write Text Files, Read Text Files

File Paths

List Comprehensions

Comments

With-Context Manager

If, Elif, Else and Conditionals

Slicing

Dictionaries

Try-Except and Exceptions

Continue Statement

Custom Functions

Functions Arguments

Function Arguments (Optional/Keyword)

Scope

Global Keyword

Lambda Functions

Decorators

Classes/Objects

Class Variables and Instance Variables

Methods in Classes

Inheritance

Polymorphism

OOP Principles (Abstraction, Encapsulation)

Module and Pip

Virtual Environments

Docstrings

Testing

Logging

Error Handling

Data Structures

Algorithms

Big O Notation

Searching Algorithms

Sorting Algorithms

Recursion

Generators and Iterators

Concurrency (Threading, Multiprocessing)

Web Scraping

Working with APIs

Databases (SQL)

Working with JSON

Regular Expressions

Python Standard Library

Project Structure

Unit Testing

Deployment

Best Practices