

Instructor Guide: 90-Minute Python Intro

Goals:

- Introduce Python basics interactively
- Mix short lessons with hands-on coding
- Build confidence in core skills: print, variables, collections, functions

Class Plan (90 minutes):

0-10 min: Hello World

- Use print()
- Demo, then have students try
- Encourage customization

10-25 min: Primitive Types

- int, float, str, bool
- Use type() and type conversion
- 2 short practice problems

25-40 min: Collection Types

- list, tuple, dict, set
- Show indexing and membership
- 3 small problems, then group check-in

40-60 min: Functions

- def, parameters, return
- Emphasize indentation

- Guide 3 small problems

60-75 min: Practice Set

- Students work independently or in pairs
- Circulate to assist

75-90 min: Review + Q and A

- Walk through selected problems
- Encourage questions

Reminders:

- Use short code demos
- Ask students to predict outcomes
- Keep pace flexible if they get stuck
- Use live code and humor when helpful