

# **CS995: Welcome to course**

Computer & Information Sciences

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# Objectives

- Learn how to write computer programs.
- Learn basics of Python programming language.
- Learn how to write procedural and objected-oriented source code.

# Assumptions

- Students have no prior programming experience.
- Cover a lot of material quickly.
- Provide feedback if concepts or ideas are not clear enough.
- Students will use their own computers.
- Provide feedback if this is problematic.
- Students will use Zoom to work in pairs.
- Provide feedback if this is problematic.

# Topics

- Simple data types.
- Simple operators.
- Control flow.
- Simple data structures.
- Structuring code.
- Error handling.
- Testing and debugging.
- Input/output.
- Agile pair programming.

# Assessment

- Course work assignment – 50%.
- Working individually.
- Online exam – 50%.
- Working individually.
- Time limit.