CS 101

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There are no prerequisites for this course.

By taking the course, the students are expected to complete regular homework assignments.

Tentative schedule of the course topics is below.

- Programming languages overview
- Python relative to other languages
- Turing Machines and algorithms
- Python versions, distributions, installation on different operating systems and devices
- The Zen of Python
- Python types and variables, operators and expressions, control structures
- Data structures in general and in Python
- Built-in and user-defined functions
- String manipulation, working with text as data
- File input and output
- Object oriented programming
- Python modules
- Introduction to graphics (matplotlib and turtle)
- Introduction to web development, Part I