Topical Syllabus

<u>Why a "topical syllabus"?</u>

Each group of students is unique and so, in different classes, we need to spend more or less time on specific topics. We will cover the topics below, more or less in the order indicated. I will be letting you know in class what to prepare for the next few classes.

- Introduction to computers and computing
- The Python environment
- Values and data types
- Input and output
- Hello World!
- Variables, and assignment
- Control Structures (if, if/else, while, for)
- Functions and modules
- Sequences, lists, strings, sets, tuples, dictionaries and comprehensions
- Working with text
- Files
- Classes – Object Oriented Programming (if time permits)
- additional material in-between and after the above, as time permits

Requirements

Projects 20%

<u>Exams</u>

A midterm and final exam 40 % each

Texts

Listed on the class website.

https://venus.cs.qc.cuny.edu/~waxman/cs90/