

Course Outline

	Topic	Sections	Lectures
1	Introduction to Computers, Programs, and C++	1.1-3, 1.6-9	2
2	Elementary Programming	2.1-13, 2.15-16	4
3	Selections	3.1-3.16	4
4	Mathematical Functions, Characters and Strings	4.1-11	3
5	Loops	5.1-6, 5.9	4
6	Functions	6.1-13	4
7	Single-Dimensional Arrays and C-Strings	7.1-7, 7.11	4
8	Multi-Dimensional Arrays	8.1-5, 8.8	3
9	Recursion	17.1-2	1
10	Objects and Classes	9.1-6, 9.9	3
11	Pointers	11.1-2, 11.5-7	2
12	Python Basics	Textbook 2	3
13	Important Python Packages	Textbook 2	3