

CS111 Summer Session 2016 Tentative Schedule

Week	Date	Class Number	Subject	Readings	Assignment
1	TUE 5/23	1	Course overview and introduction Getting started in Python Data types and expressions Strings and lists	CS for All, Ch 1 Selections from Think Like a Computer Scientist in Python CS for All, 2.1, 2.2, 2.3	PS1 due WED 5/24
	THU 5/25	2	Functions, Parameters, and Return Values Local and global variables; the runtime stack Making decisions (conditional execution)	CS for All, 2.6, 2.7, 2.8 Selections from Think Like a Computer Scientist in Python	PS2 due FRI 5/26
Week	Date	Class Number	Subject	Readings	Assignment
2	MON 5/29		<b>BU HOLIDAY - NO CLASS</b>		
	TUE 5/30	3	Introduce Recursion		PS3 due WED 5/31
	THU 6/1	4	Functions and recursion (cont.) Higher-order functions List comprehensions	CS for All, 2.9, 2.10, 2.11, 2.12, 3.6	PS4 due FRI 6/2
	THU 6/1		<b>QUIZ 1 during "lab section" hour</b>		
	FRI 6/2	5	<b>FRIDAY MAKE-UP CLASS!</b> More list comprehensions; lists of lists Encryption and decryption Algorithm design	CS for All, 3.1, 3.2, 3.3, 3.6	PS5 due SAT 6/3
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3	MON 6/5	6	Representing information Binary numbers and conversions	CS for all 4.1, 4.2	PS6 due TUE 6/6
	TUE 6/6	7	Digital Logic and Circuit Design	CS for All 4.3, 4.4	PS7 due WED 6/8
	THU 6/8	8	Loops and imperative programming Cumulative computations Nested loops	CS for All 5.1, 5.2, 5.3	PS8 due FRI 6/9
	THU 6/8		<b>QUIZ 2 during "lab section" hour</b>		
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4	MON 6/12	9	Nested Loops Design using loops	CS for All 5.1, 5.2, 5.3	PS9 due TUE 6/13
	TUE 6/13	10	References; mutable vs. immutable data 2-Dimensional Lists	CS for All 5.4, 5.5	PS10 due WED 6/14
	THU 6/15	11	Object-oriented programming (OOP)	CS for All 6.1, 6.2, 6.3, 6.4, 6.5, 6.6	PS11 due FRI 6/16
	THU 6/15		<b>QUIZ 3 during "lab section" hour</b>		
<b>Week</b>	<b>Date</b>	<b>Class Number</b>	<b>Subject</b>	<b>Readings</b>	<b>Assignment</b>
5	MON 6/19	12	File Processing Dictionaries	CS for All 5.5.6, 5.6; Additional Reading from Think Like A CS with Python on dictionaries	PS12 due TUE 6/20
	TUE 6/20	13	Object Orientation (continued)	Reading on Inheritance	PS13 due WED 6/21
	THU 6/22	14	Object Orientation (continued) Artificial Intelligence	CS for All 6.9	PS14 due FRI 6/23
	THU 6/22		<b>QUIZ 4 during "lab section" hour</b>		
<b>Week</b>	<b>Date</b>	<b>Class Number</b>	<b>Subject</b>	<b>Readings</b>	<b>Assignment</b>
6	MON 6/26	15	Final Project Overview Final Project: Search Algorithms		Final Project PART I, due 6/27
	TUE 6/27	16	Final Project: Search Algorithms		Final Project PART II, due 6/29 (THU) at 9pm
	THU 6/29	17	<b>FINAL EXAM DURING CLASS TIME</b>		