

Date	Week	Monday (Lecture)	Tuesday (Lab)	Wednesday (Lecture)	Thursday	Friday
29-Aug-22	1	course overview; Python overview scripts; input; print; assignment	• Homework 1 out "set-up and scripting"	integers; strings; floats integer division with % and //		
5-Sep-22	2	LABOR DAY	• Homework 2 out "quotients and conditionals" » Homework 1 due	flow of program control conditional statements comparison; booleans and logic		
12-Sep-22	3	functions and procedures; def the call stack mechanism return statement	• Homework 3 out "vend and function" » Homework 2 due	procedures; None iteration		
19-Sep-22	4	while loops definite vs. indefinite loops « Project 1 "grid" out	• Homework 4 out "loop" » Homework 3 due	§ Quiz #1 on scripting and // % grid demo		
26-Sep-22	5	lists construction and scanning list item update list concatenation and repetition	• Homework 5 out "list" » Homework 4 due	list mutability append, extend, insert, delete	» Project 1 checkpoint due	
3-Oct-22	6	list slicing; lists of lists dictionaries	• Homework 6 out "joining splits and other things" » Homework 5 due	recursive functions and procedures count up/down; sort preview « Project 2 "stats/chats" or "trends" out	» Project 1 due	
10-Oct-22	7	§ Quiz #2 on functions and loops fib instrumented	• Homework 7 out on recursion » Homework 6 due	objects and classes		
17-Oct-22		FALL BREAK	FALL BREAK	FALL BREAK		
24-Oct-22	8	Python's special methods class inheritance	• Homework 8 out on classes and inheritance » Homework 7 due	§ Exam on Homework 1-6 scripting, conditionals, loops, functions, lists, dictionaries		
31-Oct-22	9	higher order functions lambda » Project 2 due	• Homework 9 out on higher order functions » Homework 8 due	nested function definitions environments and function objects « Project 3 "hawk/dove" or "flocks" out		
7-Nov-22	10	§ Quiz #3 on recursion linked list traversal linked list insert	• Homework 10 out on linked structures » Homework 9 due	linked list deletion bsts; bst search		
14-Nov-22	11	bst insert, bst traverse « Project 4: "adventure" or "arcade" out	Plan Project 4 Work on Homework 10	binary search; sorting bubble sort; insertion sort » Project 3 due	» Project 4 proposal due	
21-Nov-22	12	§ Quiz #4 on objects and inheritance quicksort; mergesort	• Homework 11 out on sorting and searching » Homework 10 due	algorithm efficiency big Oh and big Theta notation	THANKSGIVING	
28-Nov-22	13	file I/O exceptions	» Project 4 beta test	§ Exam on Homework 7-10 objects, inheritance, recursion, higher order functions, linked data structures		
5-Dec-22	14	review; networked game demo lecture course evaluations » Homework 11 due	ALT SCHEDULE WEEK, NO LAB	ALT SCHEDULE WEEK, NO LECTURE		
12-Dec-22	15	» Project 4 due			§ Comprehensive Final Exam VLH 1-5pm	