

COMPSCI 101, Semester 2, 2020				
Day	Date	Lec	Lecture Schedule	Labs
Saturday/Sunday				
Monday	27-Jul	1	Introduction	No Lab Find the lab room (303S-279)
Tuesday	28-Jul			
Wednesday	29-Jul			
Thursday	30-Jul	2	Variables, program execution, doing calculations, print()	
Friday	31-Jul	3	Expressions, mathematical operators, the math module, round()	
Saturday/Sunday				
Monday	03-Aug	4	Strings, objects, the len() function, string slices	Lab 1 Variables Calculations Expressions math module
Tuesday	04-Aug			
Wednesday	05-Aug			
Thursday	06-Aug	5	Manipulating strings, String methods, dot notation	
Friday	07-Aug	6	Getting user input, converting between types, random numbers	
Saturday/Sunday				
Monday	10-Aug	7	Defining functions	Lab 2 Strings, string slices Random numbers User input int(), float(), str()
Tuesday	11-Aug			
Wednesday	12-Aug			
Thursday	13-Aug	8	Calling functions from other functions, scope of variables	
Friday	14-Aug	9	Code tracing, divide a program into separate tasks	
Saturday/Sunday				
Monday	17-Aug	10	Boolean expressions, if statements, equality and floats	Lab 3 Defining functions A1 due (strings, math)
Tuesday	18-Aug			
Wednesday	19-Aug			
Thursday	20-Aug	11	if ... else, if ... elif statements, nested ifs	
Friday	21-Aug	12	while loops	
Saturday/Sunday				
Monday	24-Aug	13	The Python range() function, for ... in loops	Lab 4 if statements while loops
Tuesday	25-Aug			
Wednesday	26-Aug			
Thursday	27-Aug	14	Lists, using for ... in loops to iterate through the elements of a list	
Friday	28-Aug	15	Revision (Test is on all the material up to the end of Lecture 12)	
Saturday/Sunday				
Monday	31-Aug			Test 1 (Tuesday 1st September) (Lectures 1 - 12 and Labs 1 - 4) NO LECTURES OR LABS THIS WEEK A2 due (Functions, loops)
Tuesday	01-Sep			
Wednesday	02-Sep			
Thursday	03-Sep			
Friday	04-Sep			
Mid-Semester break				

Monday	21-Sep	16	The split() function, updating the elements of a list, lists are mutable	Lab 5	for loops range() function lists
Tuesday	22-Sep				
Wednesday	23-Sep				
Thursday	24-Sep	17	Slicing lists, list methods		
Friday	25-Sep	18	Lists revision		
Saturday/Sunday					
Monday	28-Sep	19	Tuples	Lab 6	List methods List slices
Tuesday	29-Sep				
Wednesday	30-Sep				
Thursday	01-Oct	29	Open, read, write and close files		
Friday	02-Oct	21	Maintaining a text file of information		
Saturday/Sunday					
Monday	05-Oct	22	Dictionaries	Lab 7	File procesing Tuples
Tuesday	06-Oct				
Wednesday	07-Oct				
Thursday	08-Oct	23	More on dictionaries		
Friday	09-Oct	24	Python sequences, using the Python interpreter		
Saturday/Sunday					
Monday	12-Oct	25	tkinter 1 - GUI's, using the Canvas widget	Lab 8	Dictionaries
Tuesday	13-Oct				
Wednesday	14-Oct				
Thursday	15-Oct	26	tkinter 2 - Drawing shapes using nested loops		
Friday	16-Oct	27	More on nested loops, passing mutable objects as parameters		
Saturday/Sunday					
Monday	19-Oct	28	Testing, docstrings for functions, doctests	Lab 9	Nested for loops Tkinter - drawing shapes
Tuesday	20-Oct				
Wednesday	21-Oct	29	Revision for test and exam		
Thursday	22-Oct				
Friday	23-Oct				
Saturday/Sunday					
Monday	26-Oct	Test 2 (Tuesday 27th October) NO LECTURES OR LABS THIS WEEK			
Tuesday	27-Oct				
Wednesday	28-Oct				
Thursday	29-Oct				
Friday	30-Oct				