

<b>CompSci 101, Summer School, 2020</b>				
<b>Date</b>	<b>Lecture</b>	<b>Proposed Schedule</b>	<b>Lab</b>	
06-Jan	1	Introduction	<b>No Lab</b>	Find the Lab room (303S-279)
07-Jan	2	Variables, program execution, doing calculations, print()		
08-Jan	3	Expressions, mathematical operators, the math module		
	4	The type() function, strings, objects, len(), string slices		
09-Jan	5	Manipulating strings, String methods, dot notation	<b>Lab 1</b>	Calculations
10-Jan	6	User input, converting between types, random numbers		
Saturday/Sunday				
13-Jan	7	Defining functions Part 1	<b>Lab 2</b>	Strings, Random numbers
14-Jan	8	Defining functions Part 2		
15-Jan	9	Code tracing, divide a program into separate tasks		
	10	Boolean expressions, if statements, equality and floats		<b>Assignment 1 Due</b>
16-Jan	11	if ... else, if ... elif statements, nested ifs	<b>Lab 3</b>	Functions
17-Jan	12	while loops		
Saturday/Sunday				
20-Jan	13	The Python range() function, for ... in loops	<b>Lab 4</b>	If statements, while loops
21-Jan	14	Lists, for in loops to iterate through the elements of a list		
22-Jan	15	The split() function, lists are mutable objects		<b>Assignment 2 Due</b>
	16	Slicing lists, list methods		<b>Online Test 1 (Evening)</b>
23-Jan	17	<b>Assignment 3 discussion</b>	<b>Lab 5</b>	for loops, lists, range function
24-Jan	18	Tuples		
Saturday/Sunday				
<b>27-Jan</b>	<b>Auckland Anniversary Day - No Lecture</b>		<b>Monday labs move to Wednesday</b>	
28-Jan	19	Open, read, write and close file	<b>Lab 6</b>	List methods
29-Jan	20	Processing the information from text files		
	21	Dictionaries		<b>Assignment 3 Due</b>
30-Jan	22	Using dictionaries	<b>Lab 7</b>	Tuples and File Processing
31-Jan	23	Nested For loops, Passing mutable objects as parameters		
Saturday/Sunday				
03-Feb	24	tkinter 1 - GUIs, using the Canvas widget	<b>Lab 8</b>	Dictionaries and Nested For Loops
04-Feb	25	tkinter 2 - Drawing shapes using nested loops		
05-Feb	26	<b>Revision for Test 2</b>		<b>Assignment 4 Due</b>
<b>06-Feb</b>	<b>Waitangi Day - No lecture</b>		<b>No Lab</b>	<b>Online Test 2 (Evening)</b>
<b>07-Feb</b>	<b>No lecture</b>			
Saturday/Sunday				
10-Feb	27	Using the Python interpreter, Python sequences	<b>Lab 9</b>	Tkinter, drawing shapes
11-Feb	28	Testing, docstrings for functions, doctests		
12-Feb	29	<b>Revision for the CompSci 101 Exam - Last lecture</b>		
<b>13-Feb</b>	<b>No Lecture</b>		<b>No Lab</b>	<b>Assignment 5 Due</b>
<b>14-Feb</b>	<b>No Lecture</b>			
Saturday/Sunday				
<b>Exam Period (Feb 17 - Feb 19)</b>				