

[Fill in this form and we will get back to you as soon as possible!](#)

<b>Subject</b>	<b>Day</b>	<b>Time</b>	<b>Instructor</b>		
Beginner Python	TBC	1930 - 2100	TBC		

Lesson	Lesson Overview
1	<ol style="list-style-type: none"> <li>1. Introduction slides</li> <li>2. Installing Python</li> <li>3. Basic functions: print, f-strings, input, types of data, mathematical operators</li> </ol>
2	<ol style="list-style-type: none"> <li>1. Types of data: str, int, float, etc.</li> <li>2. Data structures: list, tuple, dictionary, set</li> <li>3. Programming puzzles</li> <li>4. Mini in-class quiz</li> </ol>
3	<ol style="list-style-type: none"> <li>1. If statements</li> <li>2. Else statements</li> <li>3. Else-if statements</li> <li>4. Drawing flowcharts to solve programming puzzles</li> </ol>
4	<ol style="list-style-type: none"> <li>1. Creating your own functions: def</li> <li>2. Classes and Objects</li> </ol>
5	<ol style="list-style-type: none"> <li>1. Revision</li> <li>2. <b>Quiz</b></li> <li>3. Introducing <b>Assignment 1 (A1)</b></li> </ol>
6	<ol style="list-style-type: none"> <li>1. Creating your own functions: def</li> <li>2. Class and Inheritance</li> <li>3. Programming puzzles</li> </ol>
7	<ol style="list-style-type: none"> <li>1. Going through MA1</li> <li>2. Introduction to game design and development</li> <li>3. Game design programming puzzles</li> </ol>
8	<ol style="list-style-type: none"> <li>1. More game design programming puzzles</li> <li>2. Create your own calculator</li> </ol>
9	<ol style="list-style-type: none"> <li>1. Introduction to data wrangling</li> <li>2. Importing libraries</li> <li>3. Importing datasets (opensource)</li> <li>4. Data cleaning using NumPy and Pandas</li> <li>5. Using StackOverflow</li> </ol>
10	<ol style="list-style-type: none"> <li>1. Finance case study</li> <li>2. Data wrangling in a finance setting</li> </ol>
11	<ol style="list-style-type: none"> <li>1. Healthcare case study</li> <li>2. Data wrangling in medical and other settings</li> </ol>
12	<ol style="list-style-type: none"> <li>1. Revision</li> <li>2. <b>Quiz</b></li> <li>2. Introducing <b>Assignment 2 (A2)</b> to be submitted by 19 Aug 2023</li> </ol>