



This course covers the following topics (any items marked with a \* will be covered if time allows):

<p><b>Basic coding</b></p> <ul style="list-style-type: none"><li>• Python variables</li><li>• Testing conditions</li><li>• Printing and f-strings</li></ul> <p><b>Visual Studio Code</b></p> <ul style="list-style-type: none"><li>• Installing extension</li><li>• Configuring settings</li><li>• Useful short-cuts</li></ul> <p><b>Running and debugging</b></p> <ul style="list-style-type: none"><li>• The code runner extension</li><li>• Stepping through code</li><li>• Setting breakpoints</li></ul> <p><b>Ranges and loops</b></p> <ul style="list-style-type: none"><li>• WHILE loops</li><li>• Breaking out of loops</li><li>• Ranges of numbers</li></ul>	<p><b>Working with modules</b></p> <ul style="list-style-type: none"><li>• Installing modules using PIP</li><li>• System modules (OS and SYS)</li><li>• Maths functions (MATH)</li></ul> <p><b>Sequences</b></p> <ul style="list-style-type: none"><li>• Tuples versus lists</li><li>• Iterating over sequences</li><li>• Slicing sequences</li><li>• Joining and splitting</li></ul> <p><b>Manipulating lists</b></p> <ul style="list-style-type: none"><li>• Adding/removing items</li><li>• Sorting lists</li><li>• Shallow and deep copies</li></ul> <p><b>Files and folders</b></p> <ul style="list-style-type: none"><li>• Reading and writing</li><li>• Using WITH</li><li>• Looping over lines</li><li>• Looping over folders using GLOB</li></ul>	<p><b>Error handling (*)</b></p> <ul style="list-style-type: none"><li>• The try clause</li><li>• Handling exceptions</li></ul> <p><b>Working with data types (*)</b></p> <ul style="list-style-type: none"><li>• Manipulating strings</li><li>• Numbers and Booleans</li><li>• The DATETIME module</li></ul>
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Maximum 6 people per course. Scheduled classroom courses include lunch at a local restaurant; you can see how our online training works [here](#). For more information, see <https://www.wiseowl.co.uk/>.