



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

<p>Basic coding</p> <ul style="list-style-type: none">• Python variables• Testing conditions• Printing and f-strings <p>Visual Studio Code</p> <ul style="list-style-type: none">• Installing extension• Configuring settings• Useful short-cuts <p>Running and debugging</p> <ul style="list-style-type: none">• The code runner extension• Stepping through code• Setting breakpoints <p>Ranges and loops</p> <ul style="list-style-type: none">• WHILE loops• Breaking out of loops• Ranges of numbers	<p>Working with modules</p> <ul style="list-style-type: none">• Installing modules using PIP• System modules (OS and SYS)• Maths functions (MATH) <p>Sequences</p> <ul style="list-style-type: none">• Tuples versus lists• Iterating over sequences• Slicing sequences• Joining and splitting <p>Manipulating lists</p> <ul style="list-style-type: none">• Adding/removing items• Sorting lists• Shallow and deep copies <p>Files and folders</p> <ul style="list-style-type: none">• Reading and writing• Using WITH• Looping over lines• Looping over folders using GLOB	<p>Error handling (*)</p> <ul style="list-style-type: none">• The try clause• Handling exceptions <p>Working with data types (*)</p> <ul style="list-style-type: none">• Manipulating strings• Numbers and Booleans• The DATETIME module
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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/>.