



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

## Basic coding

- Python variables
- Testing conditions
- Printing and f-strings

## Visual Studio Code

- Installing extension
- Configuring settings
- Useful short-cuts

## Running and debugging

- The code runner extension
- Stepping through code
- Setting breakpoints

## Ranges and loops

- WHILE loops
- Breaking out of loops
- Ranges of numbers

## Working with modules

- Installing modules using PIP
- System modules (OS and SYS)
- Maths functions (MATH)

## Sequences

- Tuples versus lists
- Iterating over sequences
- Slicing sequences
- Joining and splitting

## Manipulating lists

- Adding/removing items
- Sorting lists
- Shallow and deep copies

## Files and folders

- Reading and writing
- Using WITH
- Looping over lines
- Looping over folders using GLOB

## Error handling (\*)

- The try clause
- Handling exceptions

## Working with data types (\*)

- Manipulating strings
- Numbers and Booleans
- The DATETIME module

Maximum 6 people per course. Scheduled classroom courses include lunch at a local restaurant; you can see how our online training works [here](https://www.wiseowl.co.uk/). For more information, see <https://www.wiseowl.co.uk/>.