

This course combines topics from the following courses (any items marked with a \* will be covered if time allows).

Topics taken from our **EXCEL VBA MACROS** course

### Recording macros and buttons

- Absolute and relative recording
- Where macros can be stored
- Assigning macros to buttons

### Selecting cells

- Selecting cells (absolute)
- Selecting cells (relative)
- Selecting to the end of a block
- Selecting a range by its corners

### The VB code editor

- Using Project Explorer
- Creating modules
- Basic subroutines and comments

### Messages and variables

- Input boxes and message boxes
- Declaring variables
- Option Explicit
- Scope of variables
- Constants

### Visual Basic explained

- The Excel object model
- Objects and collections
- Methods and properties
- Getting help in VBA

### Loops and conditions

- Simple IF conditions
- Multiple IF and SELECT / CASE
- Three main types of loop

### Looping over collections

- Object variables
- Looping over collections

### Event handling

- Assigning macros to events
- Cancelling events

### Functions

- Declaring functions
- Passing arguments

### Debugging and error handling

- Setting breakpoints
- Stepping through macros
- ON ERROR statements

### Forms

- Drawing forms
- Attaching macros to controls
- Validating form input



Topics taken from our **ADVANCED VBA** course

<b>Links to other applications</b> <ul style="list-style-type: none"><li>Referencing other applications</li><li>Instantiating objects</li><li>Writing inter-application code</li></ul>	<b>Working with text files</b> <ul style="list-style-type: none"><li>Avoiding using INPUT/OUTPUT</li><li>Reading and writing text files</li></ul>	<b>Passing arguments</b> <ul style="list-style-type: none"><li>ByRef and ByVal</li><li>Using optional arguments</li><li>Using ParamArray</li></ul>
<b>FileSystemObjects</b> <ul style="list-style-type: none"><li>Referencing FileSystemObjects</li><li>Working with files and folders</li></ul>	<b>Linking to data (*)</b> <ul style="list-style-type: none"><li>ADO or Access Database Engine</li><li>Referencing the right library</li><li>Opening and using recordsets</li></ul>	<b>Advanced programming ideas (*)</b> <ul style="list-style-type: none"><li>Using functions in code</li><li>Recursive programming</li><li>Enumerations</li></ul>
<b>FileDialogs</b> <ul style="list-style-type: none"><li>Using FileDialogs</li><li>Allowing multiple selection</li></ul>	<b>Arrays</b> <ul style="list-style-type: none"><li>Creating and populating arrays</li><li>Dynamic arrays</li><li>The PRESERVE keyword</li></ul>	<b>Working with shapes (*)</b> <ul style="list-style-type: none"><li>Adding shapes</li><li>Positioning shapes</li><li>Formatting shapes</li></ul>

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/>.