

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

<p>Recording macros and buttons</p> <ul style="list-style-type: none"> • Absolute and relative recording • Where macros can be stored • Assigning macros to buttons <p>Selecting cells</p> <ul style="list-style-type: none"> • Selecting cells (absolute) • Selecting cells (relative) • Selecting to the end of a block • Selecting a range by its corners <p>The VB code editor</p> <ul style="list-style-type: none"> • Using Project Explorer • Creating modules • Basic subroutines and comments <p>Messages and variables</p> <ul style="list-style-type: none"> • Input boxes and message boxes • Declaring variables • Option Explicit • Scope of variables • Constants 	<p>Visual Basic explained</p> <ul style="list-style-type: none"> • The Excel object model • Objects and collections • Methods and properties • Getting help in VBA <p>Loops and conditions</p> <ul style="list-style-type: none"> • Simple IF conditions • Multiple IF and SELECT / CASE • Three main types of loop <p>Looping over collections</p> <ul style="list-style-type: none"> • Object variables • Looping over collections <p>Event handling</p> <ul style="list-style-type: none"> • Assigning macros to events • Cancelling events 	<p>Functions</p> <ul style="list-style-type: none"> • Declaring functions • Passing arguments <p>Debugging and error handling</p> <ul style="list-style-type: none"> • Setting breakpoints • Stepping through macros • ON ERROR statements <p>Forms</p> <ul style="list-style-type: none"> • Drawing forms • Attaching macros to controls • Validating form input
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Topics taken from our **ADVANCED VBA** course

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

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/>.