

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

Links to other applications <ul style="list-style-type: none">Referencing other applicationsInstantiating objectsWriting inter-application code	Working with text files <ul style="list-style-type: none">Avoiding using INPUT/OUTPUTReading and writing text files	Passing arguments <ul style="list-style-type: none">ByRef and ByValUsing optional argumentsUsing ParamArray
FileSystemObjects <ul style="list-style-type: none">Referencing FileSystemObjectsWorking with files and folders	Linking to data (*) <ul style="list-style-type: none">ADO or Access Database EngineReferencing the right libraryOpening and using recordsets	Advanced programming ideas (*) <ul style="list-style-type: none">Using functions in codeRecursive programmingEnumerations
FileDialogs <ul style="list-style-type: none">Using FileDialogsAllowing multiple selection	Arrays <ul style="list-style-type: none">Creating and populating arraysDynamic arraysThe PRESERVE keyword	Working with shapes (*) <ul style="list-style-type: none">Adding shapesPositioning shapesFormatting 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/>.