Advanced VBA

2 day course outline

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

Revision of VBA

- Objects and collections
- Methods and properties
- Using object variables
- Looping over collections

Links to other applications

- Referencing other applications
- Instantiating objects
- Writing inter-application code

FileSystemObjects

- Referencing FileSystemObjects
- Working with files and folders

FileDialogs

- Using FileDialogs
- Allowing multiple selection

Working with text files

- Avoiding using INPUT/OUTPUT
- Reading and writing text files

Class modules

- What is a class?
- Designing classes
- Creating properties and methods
- Consuming classes

Advanced class modules topics (*)

- Untyped collections
- Creating typed collections
- Creating event sinks

Linking to data (*)

- ADO or Access Database Engine
- Referencing the right library
- Opening and using recordsets

Arrays

- Creating and populating arrays
- Dynamic arrays
- The PRESERVE keyword

Passing arguments

- ByRef and ByVal
- Using optional arguments
- Using ParamArray

Advanced programming ideas (*)

- Using functions in code
- Recursive programming
- Enumerations

Working with shapes (*)

- Adding shapes
- Positioning shapes
- Formatting shapes

There will be no more than 6 people on the course. All courses include lunch at a local restaurant. For more information, see www.wiseowl.co.uk/courses/visual-basic-vba.htm.