MICROSOFT EXCEL
VBA

Excel VBA Course Outline

Macros are a powerful tool for automating repetitive or complex tasks. Very simple macros can be recorded using the macro recorder, but where the need is more complex or requires working across different sheets, workbooks or even applications, it may become necessary to write your own macros using VBA (Visual Basic for Applications). In this advanced course we cover the key programming constructs and get more familiar with the Excel object model empowering you to create sophisticated macros that can do almost anything.

Getting Started with VBA
- What is VBA?
- VBA Terminology
- The VBA Editor & Immediate Window

Excel Objects
- Objects and Collections
- Methods and Properties
- Application, Workbook & Worksheet
- Working with the Range object

Using the VBA Editor
- Project Explorer & Properties Window
- Setting Breakpoints
- Stepping through a procedure

Writing Procedures
- Creating a command procedure
- Making sense of Intellisense
- Commenting and Indenting
- Bookmarking

Working with Variables
- Understanding variables
- Creating and using variables
- Declaring data types
- Scope of variables
- Passing by value and reference
- Using arrays

User Defined Functions
- Creating user defined functions

Programming Techniques
- Msgbox
- Inputbox
- If statements
- Select Case statements
- For Loops and Do Loops

Error Handling
- Understanding error types
- Creating a simple error handler
- Using the resume statement

Blue Chameleon