



Banner Duncan Associates Limited

Telephone: 0845 337 0189 Fax: 020 8763 0924

Email: training@bannerduncan.com

Web Site: www.bannerduncan.com

EXCEL VBA

LEVEL

Advanced

PREREQUISITES

Participants must have a good all round knowledge of Excel before attending this course ideally having a basic knowledge of recording macros.

DURATION

3 Days

OBJECTIVES

To enable delegates to understand the programming language of Excel and to develop and maintain complex worksheets including VBA.

DAYS 1 AND 2

- **Revision Of Recording Macros**
- **Creating Macros Without Using The Recorder**
 - Tips When Writing/Editing Macros
- **Procedures**
 - Calling other procedures
 - Exit Sub and End Statements
- **Variables**
 - Data Types
 - Statements Used To Declare Variables
 - Scope
 - Option Explicit
- **Conditional Testing**
- **Input And Testing Techniques**
 - Message And Input Boxes
- **Functions In VBA**
 - Text Functions
 - Excel Worksheet Functions
 - User-Defined Functions
- **Specifying Arguments In Subroutines**
- **Error And Debugging Tools**
- **Error Trapping**
- **Custom User Forms**
 - User Forms
 - Linking Controls to Worksheets
 - Initialising the User Form
 - List and Combo boxes
 - Assigning Code to Controls
- **Objects, Methods And Properties**
 - Properties of Objects
 - Performing Actions with Methods of Objects
 - Object Browser
 - Objects as Containers of Other Objects
 - Collections of Objects
 - Working with Specific Objects
 - For Each..Next Statement
 - With..End With Statements
 - Range Object References
 - Object Variables

DAY 3

➤ **Control Structures**

- Select Case
- For Next Loop
- Do Loop

➤ **Dir Function**

➤ **Arrays**

➤ **Customising Command Bars**

- Command Bar Location
- Attaching a Custom Toolbar to a Workbook
- Making the Toolbar disappear when the file is closed

➤ **Working With Command Bars Programmatically**

- Extending the Power of Command Bars with Code
- Toolbars, Menu Bars, Shortcut Menus
- Advanced Controls

➤ **Event Procedures**

➤ **Add-In Applications**

- Securing your Project
- Creating the Add-In Application