EXCEL VBA PROGRAMMING

CURRICULUM

1 Review Of Developing Macros

- Create a Macro with the Macro Recorder
- Edit a Macro
- Debug a Macro
- Different ways of running a Macro

2 The Visual Basic Environment

- The Project Explorer
- Properties
- Object Viewer

3 Writing VBA Code

- Properties
- Methods
- Objects
- Subroutines
- Immediate Window
- Watch Window

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4 Performing Calculations

- Create User-defined Functions
- Automate SUM Functions

5 Communicating With The User

- Simple Message Boxes
- Message boxes that return values
- Buttons and icons
- Input Boxes

6 Variables

- Declaring Variables
- Using Variables
- Watching Variables

7 Control And Decision Structures

- Conditional Statements
- Decision Structures
- Select Case

8 Looping

- For next loops
- Do While
- Do Until

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9 Error Trapping

- Understanding error handling
- Understanding VBA's error trapping options
- Trapping errors with the on error statement
- Understanding the error object
- Writing an error handling routine
- Working with inline error handling

10 Debugging The Code

- Defining errors
- Working with debugging tools
- Determining breakpoints
- How to step through code
- Working with break mode during run mode
- Identifying the value of expressions

11 User Forms

- Placing controls
- Aligning Controls
- Properties

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