

# Beginning Excel Macros Master Class

## Course Outline

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- 13:50 100-1 What to Expect in this Course
- 07:47 100-2 Tracking Your Progress
- 03:57 100-3 A Short History of VBA

### 101. Setting Up Your System

- 10:17 101-1 Getting Ready to Work with Macros
- 06:50 101-2 A Quick Introduction to the Visual Basic Editor
- 20:47 101-3 Elements of the Visual Basic Editor
- 08:34 101-4 Customizing How VBA Works

### 102. Two Methods to Create and Use Macros

- 17:33 102-1 Creating Macros by Recording
- 08:17 102-2 Creating Macros from Scratch
- 05:25 102-3 Editing Macros
- 08:04 102-4 Using Comments and Continuing Lines
- 02:38 102-5 Running Macros

### 103. Managing Macros

- 04:43 103-1 Renaming Macros
- 14:11 103-2 Deleting Macros

### 104. Understanding VBA Projects

- 05:35 104-1 Project Overview
- 10:38 104-2 Organizing with Modules

### 105. Understanding VBA Procedures

- 07:09 105-1 Procedure Overview
- 12:04 105-2 Working with Subroutines
- 13:26 105-3 Working with Functions

### 106. Understanding Variables and Operators

- 16:08 106-1 Working with Variables
- 06:00 106-2 Enforcing Variable Declarations
- 16:53 106-3 Using Arithmetic and String Operators
- 10:43 106-4 Using Comparison and Logical Operators

### 107. Understanding VBA Functions

- 08:41 107-1 VBA Function Overview
- 17:36 107-2 Introduction to Numeric Functions
- 07:50 107-3 Working with Random Numbers

- 06:23 107-4 Formatting Numeric Values
  - 14:25 107-5 Introduction to String Functions
  - 21:36 107-6 Working with Parts of Strings
  - 09:36 107-7 Using String Functions Together
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  - 15:56 107-9 Performing Date and Time Math and Formatting
- 108. Interacting with the User**
- 20:33 108-1 Using Message Boxes
  - 15:55 108-2 Getting User Input
- 109. Affecting Program Execution**
- 07:34 109-1 How VBA Executes Macros
  - 18:20 109-2 Creating Simple Conditional Structures
  - 10:30 109-3 Creating More Complex Conditional Structures
  - 23:27 109-4 Using Looping Structures
  - 06:46 109-5 Using the Goto Statement
- 110. Understanding Excel's Object Model**
- 14:59 110-1 Introducing Excel's Object Model
  - 11:01 110-2 Looping through Collections
  - 13:31 110-3 Understanding Object Members
  - 10:29 110-4 Working with Constants
- 111. Working with Ranges and Selections**
- 25:56 111-1 Creating a Range or Selection
  - 12:26 111-2 Editing Worksheet Information
  - 18:11 111-3 Formatting Cell Contents
  - 18:02 111-4 Discovering Information about a Range or Selection
- 112. Manipulating the Worksheet Object**
- 14:17 112-1 Understanding and Creating Worksheets
  - 15:35 112-2 Accessing Worksheets
  - 15:20 112-3 Copying, Moving, and Deleting Worksheets
- 113. Adjusting Worksheet Structure**
- 10:38 113-1 Merging Cells
  - 14:26 113-2 Inserting and Deleting
  - 15:13 113-3 Cutting, Copying, and Pasting
  - 18:55 113-4 Accessing Row Height and Column Width
- 114. Manipulating the Workbook Object**
- 12:04 114-1 Creating and Opening Workbooks
  - 11:24 114-2 Working with Specific Workbooks
  - 10:06 114-3 Saving Workbooks

## **115. Putting Macros to Work**

- 10:55 115-1 Creating Blank Worksheets for Calendar Periods
- 08:07 115-2 Copying Worksheets to Workbooks
- 10:18 115-3 Splitting Out Street Numbers
- 12:19 115-4 Working with ZIP Codes

## **116. Developing Your Own Macros**

- 09:08 116-1 Identifying Candidates
- 07:08 116-2 Specifying Input and Output
- 06:49 116-3 Planning and Taking the Steps
- 07:37 116-4 Testing Your Code

## **117. Debugging Macros**

- 06:00 117-1 What are Bugs?
- 09:33 117-2 Why are Bugs a Problem?
- 16:06 117-3 Getting Rid of Bugs
- 16:24 117-4 Handy Debugging Tools

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- 07:44 118-1 Your Next Steps
- 02:42 118-2 You Are Done!