



Excel Programming with VBA

Course Syllabus

Increase your daily productivity by learning VBA (Visual Basic for Applications). Create custom buttons and automate repetitive tasks. Learn how to write code to develop new macros and update existing macros to improve their functionality. Master the VBA programming language to accelerate your workflow and reduce your daily workload by several hours.

 16 Hours


 \$545 Group class price

 Located at **185 Madison Avenue, NYC**


Corporate and on-site training available.

Email us at contact@nyimtraining.com for more information.

Contact

 212-658-1918

 contact@nyimtraining.com

 training-nyc.com



Course Outline

VBA Macros Day I

1. Macros / VBA

- What are Macros?
- What is VBA?
- How to record macros
- How to run macros

2. VBA Editor

- Modules
- Procedures
- Project Explorer
- Toolbars / Options

3. Creating / Editing Code

- Create Procedures
- Subs
- Comments

4. Invoking Macros

- Hot Keys
- Quick Access Toolbar
- Call Command

5. Compiling Code

- Stepping through code
- Reset
- Run
- Preventing fatal errors and crashes

6. Variables

- Declarations
- Option Explicit
- Data Types

7. Working with The Object Model

- Worksheets
- Ranges: Rows, Columns, Cells

8. Creating & Naming Objects

- Naming conventions
- Housekeeping



9. Navigation / Selection Techniques

- Formula R1C1 Reference Style
- Offsets
- Range Names

10. Logic Statements

IF Statements

11. Looping Statements

Do Loops

12. Interactive Code

- Input boxes
- Message boxes

13. Error Handlers

VBA Macros Day II

1. VBA Editor

- Project Explorer
- Properties Window
- Modules

2. Creating / Editing Code

- Functions
- Events

3. Invoking Macros

- Worksheet Buttons
- Customize Ribbon

4. Compiling Code

- Stepping through code
- Setting Breakpoints

5. Variables

- Declarations
- Option Compare Text
- Option Compare Binary
- Lifetime and Scope

6. Working with The Object Model

Application

7. Creating & Naming Objects



- Naming conventions
- Housekeeping

8. Navigation / Selection Techniques

- Absolute versus Relative Reference
- Offsets

9. Logic Statements

- Nested IF Statements
- Case Statements

10. Functions

- Intrinsic Functions
- User Defined Functions

11. Looping Statements

For Each Next Loops

12. Interactive Code

- User Forms - dashboards
- Message Boxes

13. Error Handlers

- Error numbers
- Error descriptions