



EXCEL MASTERY SERIES

Advanced Excel Analytics: VBA Programming

COURSE LENGTH

Two 2-Hour Virtual Sessions or
One Half-Day In Person

DESCRIPTION

This Advanced Excel Analytics course focuses on using Visual Basic for Applications (VBA) scripts to write functions and custom macros. The use of user forums, which control macro events, is also discussed. All examples and illustrations utilize financial and treasury applications.

LEARNING OBJECTIVES

- Understand the use of VBA and its relation to macros
- Identify the key parts of the Visual Basic Editor
- Utilize VBA to write simple functions and subroutines
- Debug programs using VBA tools

AGENDA

- Review of macros
- Visual Basic Editor
 - Inserting a module
- Visual Basic language
 - Functions and subroutines
 - Variables, data types, and arrays
 - Iteration and flow control
 - Debugging
 - Case study: Hedge volume function
- Reference to cells and worksheets
 - Ranges
 - Message and input boxes
- Case Study: Multi-lateral netting application
- Other topics: Random numbers, option valuation