

Microsoft Office Excel 2007: VBA

2 Days

Description

In the previous Excel courses, you used Excel to simplify business tasks, including the creation of spreadsheets, graphs, charts, and formulas that were difficult to create and nearly impossible to maintain using pencil and paper. You now want to simplify your work in the Excel environment by automating many of the repetitive tasks that are part of the spreadsheet development. In this course, you will apply the Visual Basic for Applications (VBA) programming language to simplify many of the tasks that you can perform using various tools and functions in Excel 2007.

Course Objective:

You will apply automation to job tasks in Microsoft Office Excel 2007.

Target Student:

Advanced Microsoft Excel professionals who need to automate Excel spreadsheet tasks using Visual Basic for Applications (VBA).

Prerequisites

Knowledge of Microsoft Office Excel 2007, including how to create, edit, format, and print worksheets that contain charts, and sorted and filtered data. To ensure your success, we recommend the following courses, or equivalent knowledge in Microsoft Office Excel 2007: Level Basic, Microsoft Office Excel 2007: Intermediate and Microsoft Office Excel 2007: Advanced

Objectives

Upon successful completion of this course, students will be able to:

- ✓ create, edit, and debug a macro.
- ✓ understand programming basics.
- ✓ create an interactive worksheet.
- ✓ work with multiple worksheets.

Outline

Unit 1: Visual Basic Editor

Topic A: Visual Basic for Applications

Topic B: Object programming

Topic C: The Object Browser

Unit 2: Programming basics

Topic A: Data basics

Topic B: Scope of variables

Topic C: Scope of procedures

Unit 3: Control structures

Topic A: Decision structures

Topic B: Loop structures

Unit 4: Custom dialog boxes

Topic A: User forms

Topic B: Events

Unit 5: Debugging and error handling

Topic A: Errors

Topic B: Debugging

Topic C: Error handling