

318 – Advanced Excel

Become an Excel expert! Learn various advanced techniques for analyzing and manipulating data in Excel. Topics include creating and running a Macro, working with multiple spreadsheets, advanced formula construction, and customization. Prerequisite: Basic knowledge of Excel.

Performance-Based Objectives

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

- increase productivity and improve efficiency by streamlining your workflow.
- collaborate with others using workbooks.
- audit worksheets.
- analyze data.
- work with multiple workbooks.
- import and export data.
- use Excel with the web.
- structure workbooks with XML.

Course Content

Lesson 1: Streamlining Workflow

Topic 1A: Create a Macro

Topic 1B: Edit a Macro

Topic 1C: Apply Conditional Formatting

Topic 1D: Add Data Validation Criteria

Topic 1E: Update a Workbook's Properties

Topic 1F: Modify Excel's Default Settings

Lesson 2: Collaborating with Others

Topic 2A: Protect Files

Topic 2B: Share a Workbook

Topic 2C: Set Revision Tracking

Topic 2D: Review Tracked Revisions

Topic 2E: Merge Workbooks

Topic 2F: Administer Digital Signatures

Topic 2G: Restrict Document Access

Lesson 3: Auditing Worksheets

Topic 3A: Trace Cells

Topic 3B: Troubleshoot Errors in Formulas

Topic 3C: Troubleshoot Invalid Data and Formulas

Topic 3D: Watch and Evaluate Formulas

Topic 3E: Create a Data List Outline

Lesson 4: Analyzing Data

Topic 4A: Create a Trendline

Topic 4B: Create Scenarios

Topic 4C: Perform What-If Analysis

Topic 4D: Perform Statistical Analysis with the Analysis ToolPak

Lesson 5: Working with Multiple Workbooks

Topic 5A: Create a Workspace

Topic 5B: Consolidate Data

Topic 5C: Link Cells in Different Workbooks

Topic 5D: Edit Links

Lesson 6: Importing and Exporting Data

Topic 6A: Export Excel Data

Topic 6B: Import a Delimited Text File

Lesson 7: Using Excel with the Web

Topic 7A: Publish a Worksheet to the Web

Topic 7B: Import Data from the Web

Topic 7C: Create a Web Query

Lesson 8: Structuring Workbooks with XML

Topic 8A: Develop XML Maps

Topic 8B: Import and Export XML Data