## **Table of Contents**

# EXCEL 2013 LESSON 1: USING LOOKUP FUNCTIONS, PIVOTTABLES, AND MACROS

Introducing Lookup Functions	2
LOOKUP Function Syntax	2
How the VLOOKUP Function Works	2
Sorting a Table Array	3
Creating PivotTables	(
Arranging the Source Data	(
PivotTable Example 1	(
PivotTable Example 2	7
How PivotTables Work	7
Formatting a PivotTable	10
Changing PivotTable Fields	11
Filtering a PivotTable with AutoFilter	14
Filtering PivotTables with Slicers	14
Editing PivotTable Calculations	16
Refreshing PivotTable Data	17
Creating PivotCharts	18
Filtering PivotCharts	18
Formatting and Printing PivotCharts	18
Changing Macro Security	19
Security Levels	19
Recording Macros	21
Naming a Macro	21
Recording Macro Steps	21
Storing Macros	2
Saving a Workbook Containing Macros	21
Running Macros	23
Assigning Macros	23
Assigning Macros to Shortcut Keys	23
Assigning Macros to Custom Buttons	25
Concepts Review	25

## EXCEL 2013 LESSON 2: USING ADVANCED FORMATTING AND ANALYSIS TOOLS

ANALYSIS TOOLS	
Working with Grouped Worksheets	28
Grouping Worksheets	28
Ungrouping Worksheets	28
Consolidating Worksheet Data	30
Consolidation Functions	30
Types of Consolidation	30
Creating Links to Source Data	31
Working with Data Validation	33
Restricting Data Entry Using Criteria	33
Copying a Data Validation Rule	33
Creating Drop-Down Lists for Data Entry	36
Circling Invalid Data	37
Removing Duplicate Records	39
Filtering for Unique Records	39
Removing Duplicates	39
Concepts Review	40
EXCEL 2013 LESSON 3: Collaborating in excel	
Creating Folders in Excel	42
Working with Project Folders	42
Creating Folders	42
Renaming Folders	42
Organizing Workbooks in Folders	43
Inserting and Viewing Comments	44
When to Use a Comment	44
Viewing Comments	44
Navigating Through Comments	44
Setting the Username	45
Inserting and Deleting Comments	45
Adding to and Formatting Comments	46

Positioning and Sizing a Comment

Protecting Workbooks and Worksheets

**Protecting Worksheet Elements** 

Protecting the Workbook Structure

**Printing Comments** 

**Password Protection** 

**Protecting Cells** 

Concepts Review

46

48

49

49

50

50

51

52

#### EXCEL 2013 LESSON 4: SHARING WORKBOOKS

Preparing Workbooks for Distribution	54
Inspecting Workbooks for Personal	
Information and Hidden Data	54
Marking a Workbook as Final	55
Granting Permission to View or Edit a Workbook	55
Sharing Workbooks Without a Network	56
Tracking Changes to Workbooks	56
Reviewing Tracked Changes	58
The Change History	58
Merging Multiple Workbooks	60
What Happens When Workbooks Are Merged	60
Merged Cells versus Merged Workbooks	60
Protecting Elements in a Shared Workbook	61
Sharing Workbooks on a Network	61
Simultaneous Access to Shared Workbooks	61
Disabled Features in Shared Workbooks	61
Switching Off Sharing	61
Concepts Review	63

### EXCEL 2013 LESSON 5: INTEGRATING EXCEL WITH OTHER PROGRAMS

Maintaining Compatibility with	
Previous Versions of Excel	66
About File Formats	66
Checking for Excel Version Compatibility	68
Using the Compatibility Pack	70
Converters	70
Converting Workbooks to Other File Formats	70
Text File Formats	70
Limitations of File Formats	71
PDF and XPS File Formats	72
Using Excel Tables with Word Mail Merge	74
Sharing Excel Data with Access	76
Inserting Excel Charts in PowerPoint	77
Linking Compared to Embedding	77
Importing External Data	79
Using Copy and Paste	79
Importing Data with Drag and Drop	79
Importing a Text File	81
Converting Text to Columns	82
Saving Workbook Elements as a Web Page	84
Saving as a Web Page	84
Saving as a Single File Web Page	84
Publishing the Web Page	84
Concepts Review	85
Index	87