

**Title:**

Microsoft Excel 2007 Module 1 (with Challenge Exercises)

**Application**

Microsoft Excel 2007

**Competency**

N/A

**Duration (hrs)**

38

**Description**

The skills and knowledge acquired in Microsoft Excel 2007 Module 1 (with Challenge Exercises) are sufficient to be able to create solid and accurate workbooks using data and formulas from the keyboard. You will also learn how to format the data into attractive reports, how to print the data and the reports, and how to chart the data for visual presentations.

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At the completion of Microsoft Excel 2007 Module 1 (with Challenge Exercises) you should be able to:

- understand the origins of and basic uses for spreadsheets
- work within the basic Excel environment
- create a new workbook
- open and navigate within workbooks and worksheets
- understand and work with ranges in a worksheet
- use the fill operations available to fill a data series
- understand, create and work with formulas and functions used to perform calculations
- understand and use formula cell referencing to create more complex formulas
- make changes to data in a workbook
- format rows and columns in a worksheet
- understand and use the number formatting features in Excel
- use font formatting techniques to greatly enhance the look of a worksheet
- work with various elements of a worksheet
- print your workbook data
- apply a variety of page setup techniques
- sort data in a list in a worksheet
- create effective charts in Microsoft Excel

Microsoft Excel 2007 Module 1 (with Challenge Exercises) is designed for users who would like to learn to use a spreadsheet application. It takes the learner to a point where they can comfortably create, edit, print and chart data and formulas in workbooks.

Microsoft Excel 2007 Module 1 (with Challenge Exercises) assumes little or no knowledge of the software. However, it would be beneficial to have a general understanding of personal computers and the Windows operating system environment.

228 pages

12.0 hrs

Many of the topics in Microsoft Excel 2007 Module 1 (with Challenge Exercises) require

you to open an existing file with data in it. These files can be downloaded free of charge from our web site at [www.watsoniapublishing.com](http://www.watsoniapublishing.com). Simply follow the student files link on the home page. You will need the product code for this course which is INF775.

The In Focus series of publications have been written with one topic per page. Topic sheets either contain relevant reference information.

# **Microsoft Excel 2007**

## **Module 1 (with Challenge Exercises)**

### **Contents**

#### **Spreadsheets**

How Spreadsheets Work  
Spreadsheet Characteristics  
Spreadsheet Functionality  
The Appropriateness Of  
Spreadsheets  
Practice Exercise

#### **Getting To Know Excel**

Starting Excel  
The Excel Screen  
Using The Ribbon  
Using KeyTip Badges  
Minimising The Ribbon  
Using Shortcut Menus  
Launching Dialog Boxes  
Customising The Quick Access  
Toolbar  
The Office Button  
Using The Office Button  
The Status Bar  
Customising The Status Bar  
Exiting Safely From Excel  
Practice Exercise

#### **Creating A New Workbook**

Understanding Workbooks  
Using The Blank Workbook  
Template  
Typing Text Into A Worksheet  
The Save As Dialog Box  
Saving A New Workbook  
Typing Numbers Into A Worksheet  
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Worksheet  
Easy Formulas  
Typing Dates In A Worksheet  
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Checking Spelling In A Worksheet  
Making And Saving Changes  
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Safely Closing A Workbook  
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#### **Working With Workbooks**

Opening An Existing Workbook  
Moving About A Worksheet  
Moving About A Workbook  
Going To A Specific Location  
The Open Dialog Box  
Practice Exercise

#### **Selecting Ranges**

Understanding Ranges  
Selecting Ranges  
Selecting Non-Contiguous  
Ranges  
Using Special Selection  
Techniques  
Selecting Larger Ranges  
Selecting Rows  
Selecting Columns  
Viewing Range Calculations  
Creating An Input Range  
Practice Exercise

### **Copying Excel Data**

Understanding Copying In Excel  
Using Fill For Quick Copying  
Copying From Cell To Another  
Copying From One Cell To A  
Range  
Copying From One Range To  
Another  
Copying Relative Formulas  
Copying To A Non-Contiguous  
Range  
Copying To Another Worksheet  
Copying To Another Workbook  
Practice Exercise

### **Filling Data**

Filling A Series  
Filling A Growth Series  
Filling A Series Backwards  
Filling Using Options  
Creating A Custom Fill List  
Modifying A Custom Fill List  
Deleting A Custom Fill List  
Practice Exercise

### **Formulas And Functions**

Understanding Formulas  
Creating Formulas That Add  
Creating Formulas That Subtract  
Formulas That Multiply And Divide  
Understanding Functions  
Using The SUM Function To Add  
Summing Non-Contiguous  
Ranges  
Calculating An Average  
Finding A Maximum Value  
Finding A Minimum Value  
More Complex Formulas  
What If Formulas  
Practice Exercise

### **Formula Referencing**

Absolute Versus Relative  
Referencing  
Relative Formulas  
Problems With Relative Formulas  
Creating Absolute References  
Creating Mixed References  
Practice Exercise

### **Editing In A Workbook**

Understanding Data Editing  
Overwriting Cells Contents  
Editing Longer Cell Entries

Editing Formulas  
Editing Functions  
Clearing A Cell  
Deleting In A Worksheet  
Undoing And Redoing Operations  
Practice Exercise

### **Row And Column Formatting**

Approximating Column Widths  
Setting Precise Column Widths  
Setting The Default Column Width  
Approximating Row Height  
Setting Precise Row Heights  
Hiding Rows And Columns  
Unhiding Rows And Columns  
Practice Exercise

### **Number Formatting**

Understanding Number  
Formatting  
Applying General Formatting  
Formatting As Currency  
Formatting Percentages  
Formatting As Fractions  
Formatting As Dates  
Using The Thousands Separator  
Increasing And Decreasing  
Decimals  
Practice Exercise

### **Font Formatting**

Understanding Font Formatting  
Working With Live Preview  
Changing Fonts  
Changing Font Size