### **Produce Spreadsheets BSBITU304A - Microsoft Excel 2007**

#### **General Description**

This publication has been mapped to the BSBITU304A Produce Spreadsheets competency and as such the skills and knowledge acquired by working through this publication are consistent with those required in the competency criteria and range statements.

#### **Learning Outcomes**

At the completion of BSBITU304A Produce Spreadsheets you should be able to:

- understand the origins of and basic uses for spreadsheets
- work within the basic Excel environment
- create a new workbook
- understand and work with ranges in a worksheet
- understand, create and work with formulas and functions used to perform calculations
- copy and paste data in Excel
- understand and use formula cell referencing to create more complex formulas
- make changes to data in a workbook
- use font formatting techniques to greatly enhance the look of a worksheet
- understand and use the number formatting features in Excel
- align the contents of cells in a number of ways
- apply conditional formatting to ranges in a worksheet
- work with various elements of a worksheet
- apply a variety of page setup techniques
- create and work with headers and footers
- save workbooks in a variety of formats
- create effective charts in Microsoft Excel
- use a range of techniques to enhance charts
- find the information you need in Help
- work comfortably and safely, be assured that you are a responsible environmental citizen, and effectively manage your files and folders

#### **Competency Assessment**

The publication contains a series of Challenge Exercises that will help students practise their competence as they work through the manual or they be used for assessment purposes. It also contains an Integrated Assignment which is a scenario based series of tasks that can be used by the teacher/trainer to test the students understanding and competence.

#### **Pages**

332 pages

#### **Nominal Unit Duration**

35 Hours

#### Student Files

Student files can be downloaded free of charge from our web site at www.watsoniapublishing.com. A copy of these files can also be found on the Teacher Resource CD for this publication.

#### **Teacher Resources**

A Teacher Resource CD which includes Teacher's Handbook, Solutions Handbook, competency mappings, test bank questions, survey forms and questionnaires, etc) is available for this publication

#### **Companion Publications**

There are a number of other complimentary titles in the same series as this publication. Information about other relevant publications can be found on our web site at www.watsoniapublishing.com.



# Produce Spreadsheets BSBITU304A - Microsoft Excel 2007

#### **Contents**

#### **Spreadsheets**

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

#### **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
Getting To Know Excel

#### **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 Typing Simple Formulas In A Worksheet Easy Formulas Typing Dates In A Worksheet Easy Formatting Checking Spelling In A Worksheet Making And Saving Changes Printing A Worksheet Safely Closing A Workbook Creating A New Workbook

#### **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
Selecting Ranges

#### **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
Formulas And Functions

#### **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
Copying Excel Data

#### Formula Referencing

Absolute Versus Relative Referencing Relative Formulas Problems With Relative Formulas Creating Absolute References Creating Mixed References Formula Referencing

#### **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
Editing In A Workbook

#### **Font Formatting**

Understanding Font Formatting Working With Live Preview Changing Fonts Changing Font Size Growing And Shrinking Fonts Making Cells Bold Italicising Text Underlining Text
Changing Font Colours
Changing Background Colours
Using The Format Painter
Applying Strikethrough
Subscripting Text
Superscripting Text
Font Formatting

#### 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 Number Formatting

#### **Cell Alignment**

Understanding Cell Alignment Aligning Right Aligning To The Centre Aligning Left Aligning Top Aligning Bottom Aligning To The Middle Rotating Text Indenting Cells Wrapping And Merging Text Merging And Centring Merging Cells Unmerging Cells Cell Alignment

#### **Conditional Formatting**

Understanding Conditional Formatting
Formatting Cells Containing Values
Clearing Conditional Formatting
More Cell Formatting Options
Top Ten Items
More Top And Bottom Formatting
Options
Working With Data Bars
Working With Colour Scales
Working With Icon Sets
Conditional Formatting

#### **Working With A Worksheet**

Understanding Worksheets Changing Worksheet Views Worksheet Zooming Viewing The Formula Bar Viewing The Gridlines



Watsonia Publishing:

Phone: (+61) 3 9851 4000 www.watsoniapublishing.com info@watsoniapublishing.com

**VET Resources** 



Product Code: INF638

ISBN: 978-1-921341-48-9

Viewing The Ruler Inserting Cells Deleting Cells Inserting Columns Inserting Rows Deleting Rows And Columns Switching Between Worksheets Working With A Worksheet

#### **Printing**

Understanding Printing
Previewing Before You Print
Performing A Quick Print
Selecting A Printer
Printing A Range
Printing An Entire Workbook
Specifying The Number Of Copies
The Print Dialog Box
Printing

Understanding Page Layout

Using Built In Margins

Setting Custom Margins

#### Page Setup

Changing Margins By Dragging Centring On A Page Changing Orientation Specifying The Paper Size Setting The Print Area Clearing The Print Area Inserting Page Breaks Using Page Break Preview Removing Page Breaks Setting A Background Clearing The Background Settings Rows As Repeating Print Titles Clearing Print Titles
Printing Gridlines Printing Headings Scaling To A Percentage Fit To A Specific Number Of Pages Strategies For Printing Larger Worksheets Page Setup

#### **Headers And Footers**

Understanding Headers And Footers Adding A Quick Header Adding A Quick Footer Switching Between Headers And **Footers** Typing Text Into Headers And Footers Modifying Headers And Footers Adding Page Numbering Adding Date Information Adding Workbook Information Adding A Picture Formatting Headers And Footers Dragging Margins For Headers And Footers Creating A Different First Page Different Odd And Even Pages Headers And Footers

## Saving Workbooks Filing Locations

Naming Conventions
Compatibility Mode
Saving As A Different Name
Saving In Another Location
Saving In Another Version
Saving In A Web Format
Saving In Binary Format
Saving As A Template
Saving As Macro Enabled
Saving With Thumbnails
Saving Tags And Author Details
Saving Workbooks

#### **Creating Charts**

Understanding The Charting Process
Choosing The Chart Type
Creating A New Chart
Working With An Embedded Chart
Resizing A Chart
Dragging A Chart
Printing An Embedded Chart
Creating A Chart Sheet
Changing The Chart Spee
Changing The Chart Layout
Changing The Chart Style
Printing A Chart Sheet
Embedding A Chart Into A Worksheet
Deleting A Chart
Creating Charts

#### **Charting Techniques**

Understanding Chart Layout Elements
Adding A Chart Title
Adding Axes Titles
Positioning The Legend
Showing Data Labels
Showing A Data Table
Modifying The Axes
Showing Gridlines
Formatting The Plot Area
Showing The Plot Area
Adding A Trendline
Adding Error Bars
Adding A Text Box To A Chart
Drawing Shapes In A Chart
Charting Techniques

#### **Getting Help**

Understanding How Help Works
Accessing The Help Window
Browsing For Help
Returning To The Home Page
Using The Table Of Contents
Searching Using Keywords
Disconnecting Online Help
Printing A Help Topic
Working With Screen Tips
Dialog Box Help
Other Sources Of Help
Getting Help

#### **General Computer Operation**

Setting Up An Ergonomic Workstation



Watsonia Publishing: Phone: (+61) 3 9851 4000 www.watsoniapublishing.com info@watsoniapublishing.com Breaks And Exercises
Reducing Paper Wastage
Environmentally Friendly Computing
Backup Procedures
Electronic File Management
Managing File Folders
Creating A Quick File Listing
General Computer Operation

Integrated Assignment Concluding Remarks

**VET Resources**