

Table of Contents

BSBITU402A Develop and use complex spreadsheets	i
Files Used in this Workbook	viii
How to Download Exercise Files	x
Office Procedures	i
Windows 8.1 Basics	ii
Turning a Computer on and off.....	ii
Lock Screen.....	ii
Sign in Screen	iii
The Start Screen	iii
Signing Out.....	iii
Switching Users.....	iv
Charms	iv
Restart.....	v
Shut Down.....	v
Searching from the Start Screen	v
File Management.....	vi
Folders, Files and Storage	vi
File Explorer	vii
Starting File Explorer	vii
The File Explorer Screen.....	vii
Navigation Pane	viii
Creating New Folders.....	ix
Renaming Files or Folders	ix
Recycle Confirmation	ix
Deleting a File.....	ix
Closing File Explorer	ix
Using Meaningful File Names	x
Timelines	xi
Backup Procedures	xii
Backup versus Copy.....	xii
Backup Software	xii
Organisational Policies for Backing up Files	xii
Protecting Data.....	xiii
Unauthorised Access.....	xiii
Data Storage	xiii
Malware	xiii
Antivirus Software.....	xiv
Filing Hard Copies of Documents.....	xv
Using Manuals.....	xvi
Manuals	xvi
Software Help	xvi
Solving Operational Problems	xvi
Copyright	xvii
What is Copyright?	xvii
Copyright in the Workplace	xvii
Work Request Forms	xviii
Worksheet Design	xix
Design by Blocks (or Areas)	xx
Layouts.....	xx
What Makes a Good Worksheet?	xxiii
Sound Construction	xxiii
Appropriate Appearance.....	xxiv
Workbook Documentation	xxvi

Title.....	xxvi
Purpose.....	xxvi
Installation Instructions (if needed).....	xxvi
General Instructions.....	xxvi
Macros.....	xxvi
Working with Scenarios.....	xxix
Section 1 – Borders and Shading, Copying and Moving Data, Series	1
Shortcut Menu.....	2
Insert Symbol.....	2
Selecting Cells.....	3
Fonts.....	6
Format Cells Dialog Box.....	6
Formatting Shortcut Keys.....	7
Borders.....	7
Borders Button.....	7
Format Cells Dialog Box.....	8
Removing Borders.....	8
Formatting Numbers.....	9
Exponential Numbers.....	12
Combinations.....	12
Copying and Moving Data Summary.....	13
Using the Right Mouse Button.....	13
The Paste Button.....	15
Clipboard Task Pane.....	16
Inserting and Deleting.....	18
Inserting.....	18
Deleting.....	18
Series.....	20
Fill Series Options.....	20
Freezing Panes.....	23
Section 2 – Easy Functions, Formula Auditing, Help, Hyperlinks.....	25
Easy Functions.....	26
Average Function.....	26
Max, Min and Round Functions.....	27
Split Screen.....	27
Option Buttons.....	30
Checking Data.....	34
Error Checking.....	34
Error Checking Options.....	36
Formula Auditing.....	38
Finding an Error.....	40
Auditing Across Worksheets.....	41
Checking Cross Totals.....	41
Help.....	45
Accessing Help Window.....	45
Excel Help Window Layout.....	45
Help with Functions.....	47
Hyperlinks.....	49
Insert a Hyperlink.....	49
Hyperlink to a Website.....	50
Change a Hyperlink to Ordinary Text.....	50
Section 3 – Charts, Pie Charts, Quick Charts	53
Charts.....	54
Types of Charts.....	54
Which Chart Do I Use?.....	55

Column/Bar Chart.....	55
Area Chart	55
Line Chart.....	55
Pie Chart.....	55
Charts Group.....	56
Chart Worksheets.....	56
Column Charts	57
Chart Elements.....	58
Chart Styles.....	58
Chart Filters.....	58
Chart Tools Design Tab.....	59
Chart and Axis Titles, Legend and Chart Location	59
Formatting the Chart and Axis Titles	60
Changing the Chart Type	60
Printing a Chart.....	62
3-D Charts	62
Chart Task Pane.....	63
Changing the Orientation of Labels.....	64
Chart Styles and Chart Filters	65
Pie Charts.....	65
Formatting the Pie Chart	66
Changing Data.....	66
Exploding Segments.....	67
Applying a Fill Effect to a Segment.....	68
Quick Charts.....	68
Adding a Message Arrow	68
Changing Colours.....	69
Adding a Data Table.....	70
Bar Chart.....	71
Combo Chart.....	72
Line Chart.....	73
Altering the Location of a Chart.....	74
Changing the 3D View of a Chart.....	75

Section 4 – Names, Multiple Worksheets, Linking Workbooks, Consolidating Data

.....	78
Names	79
Defining a Name.....	79
Create a Name	80
Using a Name with a Formula	80
Using a Name in the Formula Palette.....	81
Using a Name with Go To	81
Pasting a List of Names.....	82
Deleting Names	82
Working with Multiple Worksheets	83
Moving Data across Worksheets.....	83
Copying Data from Worksheet to Worksheet	83
Moving, Copying and Inserting New Worksheets.....	83
Formatting Across Worksheets	85
Grouping Worksheets.....	85
Format Painter.....	86
Formulas across Worksheets.....	87
Viewing Different Sheets within One Workbook.....	89
Using the Right Mouse button on Sheet Tabs.....	89
Multiple Worksheets	90
Heading Rows	91
Adding a Footer.....	91
Altering the Column Widths in Backstage View.....	92

Inserting/Removing a Page Break.....	92
Page Break Preview.....	93
Linking Workbooks.....	94
Calculate across Workbooks.....	95
Formulas across Workbooks.....	95
Updating Links.....	96
Consolidating Data.....	97
Viewing Consolidation Levels.....	99
Updating Consolidation Links.....	100
Consolidating Data Exercises	101
Section 5 – Functions, Data Tables, Array Formulas.....	103
Functions.....	104
IF Function	104
Multiple IF Function Criteria	106
LOOKUP Function.....	107
Printing an Entire Workbook.....	109
PMT Function.....	111
FV Function.....	114
Nested Functions	116
Standard Deviation Function	118
Choose Function	119
NOW() and TODAY() Functions.....	120
Nested IF Function	121
Round Function	123
SUMIF Function	123
COUNTIF Function.....	124
SUMIF and ROUND Functions	125
Data Tables.....	128
PMT Function.....	128
One-Input Table	130
Two-Input Table	131
Functions.....	134
Function Structure	134
Error Messages: Troubleshooting	134
Financial.....	135
Logical.....	135
Statistical.....	135
Math & Trig.....	136
Lookup & Reference.....	136
Date & Time	136
Text	136
Array Formulas.....	137
Section 6 – Data Analysis, Data Validation, Macros, Cell Protection, Templates ..	141
Data Analysis	142
Using Pivot Tables	142
Data Validation.....	146
Adding a Message to a Data Validation Cell	147
Deleting a Validation Message.....	147
Adding a Warning to a Data Validation Cell	148
Inserting a Data Validation List into a Worksheet.....	148
Conditional Formatting	149
Cell Values	149
Formula Values	151
Quick Analysis Lens	151
Macros	153
Developer Tab.....	154

Macro Security.....	154
Saving a workbook as a Macro Enabled workbook.....	155
Assigning Macros to 'This Workbook'.....	155
Executing the Recorded Macro.....	157
The Visual Basic Editor.....	157
Using the Go To Special Dialog Box.....	160
Assigning a Macro to a Button.....	160
Personal Macro Workbook.....	162
Placing a Macro Button on the Quick Access Toolbar.....	162
Editing the Personal Macro Workbook.....	163
Removing a Quick Access Toolbar Button.....	164
New Workbook.....	165
Macros in Templates.....	165
Deleting a Macro.....	165
Printing Macro.....	165
Cell Protection.....	166
Unlocking Cells.....	166
Protecting a Workbook.....	167
Protecting a Worksheet.....	167
Entering Data.....	167
Unprotecting a Workbook/Worksheet.....	168
Password Protecting a Workbook.....	168
Comments.....	168
Adding Comments to Cells.....	168
Editing/Deleting/Printing Comments.....	169
Templates.....	170
Installed Templates.....	170
Creating a Custom Template.....	173
Using a Custom Template.....	175
Saving a Template to a USB.....	176
Changing a Workbook to a Template.....	177
Embedding Cell References in a Formula.....	178
Updating Embedded Cell References.....	179
Additional Exercises.....	180
Importing and Exporting.....	183
Exporting to Another Format.....	184
Importing a Text File into Excel.....	185
Additional Importing Exercise.....	187
Checking Data.....	188
Practice Assessment.....	192
Assessment.....	195
Index.....	215
Changes made to this workbook.....	219
BSB Business Services Training Package Supplement	
Selecting Cells.....	221
BSBITU402 Develop and use complex spreadsheets.....	222