

INFOCUS COURSEWARE

Module Series

Programming in VBA

Using Microsoft Excel 2010



Order Code: INF1067 ISBN: 978-1-921939-00-6

*	General Description	The skills and knowledge acquired in this course are sufficient to be able to create real life working VBA applications within Excel . The learner will be able to work with VBA within the Excel environment to program and automate worksheet operations,
*	Learning Outcomes	 At the completion of this course the learner should be able to: create recorded macros in <i>Excel</i> use the macro recorder to create a variety of macros understand the <i>Excel</i> object model and <i>VBA</i> concepts work effectively with the main features of the <i>VBA Editor</i> window create procedures in <i>VBA</i> create and use variables create and work with user-defined functions in <i>VBA</i> write code to manipulate <i>Excel</i> objects use a range of common programming techniques create code to drive a user form create procedures that start automatically write a variety of error handling routines
*	Target Audience	This course is designed for users who wish to learn how to use the inbuilt VBA programming language in Excel to enhance their worksheets and automate processes.
*	Prerequisites	This publication assumes the learner has a good knowledge of working with <i>Excel</i> . The learner should at least be able to create and edit workbooks, enter formulas, copy, paste, and format data. The learner must also have a general understanding of personal computers and the Windows operating system environment and be able to use Windows Explorer to locate and copy files.
*	Pages	156 pages
*	Nominal Duration*	Watsonia Publishing <i>Modules</i> are based around a 2-day training program consisting of approximately 14 – 16 hours
*	Student Files	Many of the topics in this book require the learner to open an existing file with data in it. These files can be downloaded free of charge from our web site at <u>www.watsoniapublishing.com</u> . Simply follow the student files link on the home page. You will need the product code for this course which is INF1067 .
*	Methodology	The In Focus series of publications have been written with one topic per page. Topic sheets either contain relevant reference information, or detailed step-by-step instructions designed on a real-world case study scenario. Publications can be used for instructor-led training, self- paced learning, or a combination of the two.
*	Formats Available	A4 Black and White, A5 Black and White (quantity order only), A5 Full Colour (quantity order only), Electronic licence
*	Companion Products	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.

* Duration relates to study time only and does not include assessment time. Duration should be used as a guide only. Actual duration will vary depending upon the skills, knowledge, and aptitude of the participants. This information sheet was produced on Wednesday, April 06, 2011 and was accurate at the time of printing. Watsonia Publishing reserves its right to alter the content of the above courseware without notice.



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Product Information



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✓ The IF Statement

✓ For Loops

Properties

✓ Using IF For Single Conditions ✓ Using IF For Multiple Conditions

✓ Using The Select Case Statement

✓ Looping With Specified Iterations

✓ Looping With Unknown Iterations

✓ The Select Case Statement

✓ The Do…Loop Statement

✓ Understanding VBA Forms

✓ Changing Text Box Control

Adding Command Buttons

✓ Transferring Data From A Form

Running A Form From The Toolbar

Running Automatic Procedures

✓ Automatically Starting A Workbook

✓ Running Form Procedures

Creating Error Checking

✓ Running A Form From A

Programming Automatic

✓ Understanding Error Types

✓ Using The Resume Statement

✓ Coding Error Handling In Forms

Product Information

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✓ Working With Err Object

✓ Error Handling In Forms

✓ Defining Custom Errors

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Procedure

> Automatic Startup

Procedures

➢ Error Handling

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✓ Adding Option Buttons

✓ Adding Text Boxes To A Form

✓ Adding Label Controls To A Form ✓ Adding A Combo Box Control

✓ Creating A Custom Form

Creating Custom Forms

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- ✓ Setting Property Values
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- ✓ The Best VBA Help Available

> The VBA Editor

AUSTRALIAN MADE

- ✓ The VBA Editor Screen
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- ✓ Using The Project Explorer
- ✓ Working With The Properties
- Window
- ✓ Using The Work Area
- ✓ Viewing Other Panes
- ✓ Working With Toolbars
- ✓ Working With A Code Module
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✓ Setting Breakpoints In Code ✓ Stepping Through Code

➢ Procedures

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- ✓ Creating A New Sub Routine
- ✓ Making Sense Of IntelliSense
- Using The Edit Toolbar
- Commenting Statements
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- ✓ Using The Worksheets Object

✓ Using Objects In A Procedure

✓ Using The InputBox Function

✓ Using The InputBox Method

Programming Techniques

✓ The MsgBox Function

✓ InputBox Techniques

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✓ Using MsgBox

The Range Object ✓ Using Range Objects