



“taking the myth out of finance”

## Financial Modelling in Excel – Module 2

- a stand-alone course which is also recognised as a qualifying module for the CPPF (Certificate Programme in Practical Finance)

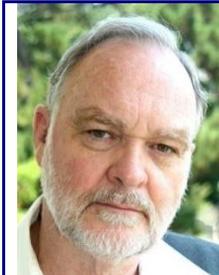
Financial risk cannot be eliminated in business, but it can be reduced. Excel, well used, can demonstrate the probable outcome of a set of inputs. Selecting the appropriate inputs and identifying the correct relationships is a necessary skill for any risk evaluation.

The Economist reports that the failure of most projects arises, not from unexpected events, or from the inability of modelling tools to predict, but from compromising the model's prediction in order to 'sell' the project. This course emphasises the context and the technical aspects of modelling so that the outcome is reliable and can be used with confidence as part of an overall assessment of a proposition.

Delegates will be supplied with a set of templates with corresponding model answers including comprehensive notes. The templates may be re-used for practice, in conjunction with the model answers.

NB: The course assumes well developed Excel skills, including using names in formulas, the IF statement and variations. An understanding of financial statements is also required. It will continue to emphasise the thinking process as well as taking the knowledge and application of techniques further.

**The course presenter: John Mitchell**



John Mitchell is a Director of Johannesburg School of Finance, a member of the Investment Analysts Society and holds a Degree in Philosophy. He has been a professional designer and presenter of financial courses for the past twenty-two years. His Major in Logic aligns itself naturally with both lean programming, and analysis of financial problems.

His empathic style and extensive business experience make his courses both practical and enjoyable.

**2020 Course dates:** 09 - 12 March                      18 - 21 May                      24 – 27 August  
09 – 12 November

**Course Venue:** Quickbooks, 5 Zulberg Close, cnr Ernest Oppenheimer Avenue, Bruma, Johannesburg

**Course Fees:** R16 200 plus 15% VAT (R18 630) per delegate for the four-day course. Fees include material, lunches, (Halaal may cost extra), teas and secure parking. (NB: This course can also be run on an in-house basis, in which case the course fees and dates are negotiable).

**Requirements: Please see full requirements on next page.**

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# Financial Modelling in Excel – Module 2

presented by John Mitchell

## REQUIREMENTS:

Learners must please bring their own computer able to download templates from a flash stick, else make alternative arrangements in advance (e.g. load via Dropbox). A mouse and mouse pad are strongly recommended.

## Course Overview:

The course is designed to build on the disciplines and techniques developed in Module One, introducing new skills in the context of practical applications. Emphasis will continue to be placed on thinking around the technical aspects of the model to ensure that the outcomes are comprehensive and reliable.

The following techniques will be covered, among others with emphasis on model construction and interpretation:

- Practical model construction
- Scenarios, Goalseek and Solver
- Pivot Tables
- Subtotals
- Conditional formatting
- Boolean Algebra
- Time Value of Money (NPV and IRR)

## COURSE CONTENT

### Day One: Organizing the data

- Introduction
- Advanced techniques, shortcuts and procedures
- Text, Concatenate Text, Time
- Names revision
- What-if? calculations: goal-seeK, solver and scenarios
- Group Data
- Subtotals and nested Subtotals

### Day Two: Understanding the IF function

- Pivot table reports
- Consolidate
- Advanced IF functions
- Boolean Algebra : IS functions
- Conditional Formatting

## Financial Modelling in Excel – Module 2

### Day Three: Construct and Interpret a Financial Model

- Purpose, possibilities and principles of modelling
- Planning, structuring and using the model
- Refurbishment
- Manual calculation using Allocations to prepare for model building
- Build the model from the manual version using sub-routines, IO-AO structure
- Record and clarify assumptions

### Day Four: Revision and assessment

- Interrogate the model to test hypotheses
- The Time Value of Money: NPV, IRR, explanation and practical exercise
- Techniques assessment
- Model building assessment
- Portfolio of evidence and feedback on assessment

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