

# B2 High-Powered Financial Modelling

Learn from industry experts with insights from years of practical experience!



## Introduction

This Advanced Financial Modelling training program exposes participants to the sophisticated tools and techniques used to efficiently build financial models that are robust, reliable and easy to use.

The course is designed for participants who have already had some experience in financial modelling and are now seeking to further develop their skills and take their modelling to the next level by learning a range of new tools and techniques.

Being an advanced course, the program focuses on sophisticated techniques that save time when building models, increase reliability and improve usability of the models developed.

Topics include areas such as:

- Scenario and sensitivity analysis (including probability-weighted sensitivities)
- Capital budgeting (S-curve allocation of expenditure, depreciation modelling etc)
- Debt modelling
- Monte Carlo simulations
- Introduction to VBA Macros
- Model automation

The unique combination of both Excel techniques and the application of finance principles allows participants to expand their Excel expertise, their skill in applying its functions to solve common modelling issues, and their knowledge of project evaluation/company valuation issues and techniques.

## Who Should Attend?

- Business & Finance Analysts
- Investment & Corporate Bankers
- Corporate Finance Managers

- CFO's & Finance Managers
- Finance & Accounting staff
- Business Bankers
- Industry Consultants
- Project Managers

## Course Objectives

This course is designed to provide participants with a range of techniques, ideas, concepts and methodologies that will take their financial modelling skills to the next level.

Primary objectives:

- To provide experienced modellers with a deeper understanding of financial modelling methodologies, techniques and approaches.
- To broaden the range of tools and techniques experienced modellers can apply to their models to enhance reliability, usability and robustness.
- To provide participants with a structured approach to modelling that not only generates models that are reliable, robust, controlled, extendable and easy to use, but also speeds-up model development.

## Benefits from attending this course:

- Learn new ways to improve efficiencies in your financial modelling processes by gaining valuable skills
- Discover a range of sophisticated techniques that will improve the usability and reliability of your financial models
- Learn how to integrate & align your financial models with business strategy
- Learn how to properly incorporate imprecise data and allow for uncertainties in model assumptions and variables
- See how to properly utilise spreadsheet modelling best practices into action to create better financial models

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- Learn about alternate financial modelling approaches, when to use these and how to make the best decision
- Gain the confidence that comes from knowing that your financial models are robust, accurate, and reliable

## Key Take Aways:

- Full course notes, plus a CD full of practical templates, exercises & solutions, reference guides, add-ins and other useful tools that can be used to efficiently build effective and robust financial models.

## Course Outline

### Day 1: Building Blocks

#### *Financial Modelling in Excel*

- How to use advanced Excel functions that will allow faster model development and provide greater reliability.
- Techniques to create and use advanced dynamic range names, including formulas and naming conventions
- Sophisticated methods of data analysis and visualisation that present information easily or highlight anomalies and areas of interest
- How to create, manage, and present multiple scenarios and perform sensitivity analysis
- Techniques for working with time series in models that allow automated date generation and summarisation at any level
- Best practice guidelines and spreadsheet modelling standards: learn how to create models like the professionals do!
- Advanced techniques for sophisticated model optimisation

- How to apply the new features of Excel 2007 to increase advanced financial modelling productivity

#### *Financial Modelling Fundamentals Recap*

- The 7 key factors affecting value
- Calculating the cost of equity, debt and WACC
- The 7 steps involved in building financial models
- 3 different approaches to terminal value
- The 9 essential steps in calculating discounted cash flows
- NPV vs IRR vs RRR ... in plain English!

### Day 2: Advanced Modelling Techniques

- Using probability-weighted sensitivity analysis as a proxy for stochastic simulation
- Multiple methods for automated S-Curve allocation of capital budget expenditures
- Managing multiple capital budget projects
- Earned Value project management & reporting
- Easy ways to perform depreciation modelling
- Debt modelling: senior debt, mezzanine finance, and hybrid instruments

### Day 3: Advanced Modelling Applications

- Techniques for working with linked workbooks to ensure robust and reliable linking
- Mergers & Acquisitions
- Multi-variable Monte Carlo Simulations and stochastic modelling
- Introduction to VBA Macros: useful functions and macros, and how to apply these to models
- Model automation using controls to enhance usability

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- Clever ways to produce and manage financial model documentation to provide models that are easily understood and reviewed.
- Model auditing/review and control including demonstration of financial model auditing software

He has worked with companies such as Chevron, BankWest, Petronas, Rio Tinto, Glencore, KPMG, Grant Thornton and Toyota.

He provides training and financial modelling for companies throughout the world.

## Course Facilitator: Jeff Robson

***Masters (Applied Finance & Investment), B.Comm (Accounting & Information Systems), Certified Information Systems Auditor (CISA), Fellow of the Financial Services Institute of Australasia (F Fin), Fellow of the Australian Institute of Management (FAIM), Member of the Australian Institute of Company Directors (MAICD), Microsoft Certified Excel Expert (MCEE)***



Before working with Access Analytic, Jeff spent 6 years working in the Corporate and IT Consulting divisions of a large, multi-national Chartered Accounting firm.

Jeff is the author of a number of white papers on financial modelling on subjects such as Financial Modelling Best Practices and Financial Model Auditing.

Earlier in his career, he spent five years in banking and finance.

Jeff is the Principal and Founding Director of Access Analytic, a specialist consultancy that focuses on financial modelling, forecasting, valuation, model auditing, and management reporting for clients worldwide.

He is known as "The Financial Modelling Guru" because of his extensive experience in financial modelling, forecasting, valuation, model auditing, and management reporting for clients throughout the world.

His achievements have been recognised by his peers and he is a Fellow of both the Financial Services Institute of Australasia and the Australian Institute of Management.

He is skilled in the development and maintenance of analytical tools and financial models for middle-market to large corporate transactions and clients, at all levels of complexity, in both domestic and international settings.

## Prerequisites

Delegates should be familiar with Excel and basic statistics (eg familiarity with range names, lookups, normal distribution, etc).

## Continuing Education

This course provides 7.5 contact hours per day towards continuing education requirements.

## Key Details

Smaller sizes are recommended to maximise the participants' learning experience.

Comprehensive course notes plus a CD with an extensive collection of templates and worked examples are included.

Just call us on +61 8 6210 8500 and we'll arrange everything!

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