Advanced Financial Modelling: Excel Techniques for Analysts

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Jeddah (KSA)



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Why This Course

Financial modelling is a core skill for finance professionals who need to analyze performance, forecast future results, value businesses, assess investments, and support strategic decision-making. A strong financial model helps organizations understand the financial impact of different assumptions, scenarios, risks, and business choices.

Building reliable models requires more than Excel knowledge. It requires clear structure, logical assumptions, accurate links between financial statements, strong forecasting methods, error-checking techniques, and the ability to present outputs in a way that supports confident decisions.

This intensive 1-week financial modelling course equips finance professionals with advanced Excel skills and industry-standard modelling techniques. Through hands-on practice, real-world examples, model-building workshops, valuation exercises, and scenario analysis, participants will learn how to build robust, flexible, and professional financial models from scratch.

What You'll Learn and Practice

By joining this program, you will:

- Master advanced Excel functions and tools for financial modelling.
- Apply shortcuts, formulas, data validation, and error-checking techniques.
- Understand financial statement analysis basics for modelling purposes.
- Build structured, transparent, and flexible financial models.
- Develop integrated three-statement models with linked forecasts.
- Model income statements, balance sheets, and cash flow statements.
- Manage circularity and common model-balancing challenges.
- Apply advanced forecasting methodologies.
- Use scenario and sensitivity analysis for decision-making.
- Apply data tables and Goal Seek for model optimization.
- Build valuation models using DCF and comparable company analysis.
- Understand the basics of M&A and LBO modelling.
- Review, audit, and improve financial models.
- Present model outputs clearly to stakeholders and decision-makers.



The Program Flow

Day 1: Excel Fundamentals for Financial Modelling

- Advanced Excel functions and shortcuts.
- Efficient formula writing and workbook navigation.
- Data validation and error-checking techniques.
- Financial statement analysis basics.
- Introduction to model structure and best practices.
- Formatting standards for inputs, calculations, outputs, and assumptions.
- Practical exercise: Setting up a professional financial model framework.

Day 2: Building the Three-Statement Model

- Income statement modelling and projections.
- Forecasting revenue, costs, margins, depreciation, interest, and taxes.
- Balance sheet modelling and forecasting.
- Working capital, fixed assets, debt, and equity schedules.
- Cash flow statement integration.
- Handling circularity in financial models.
- Workshop: Building a fully integrated three-statement model from scratch.

Day 3: Advanced Modelling Techniques

- Scenario and sensitivity analysis.
- Using data tables to test key assumptions.
- Goal Seek for model optimization and break-even analysis.
- Advanced forecasting methodologies.
- Building flexible and scalable models.
- Structuring assumptions for base case, upside case, and downside case scenarios.
- Practical exercise: Developing a flexible scenario and sensitivity analysis model.

Day 4: Valuation Modelling

- Discounted Cash Flow analysis.
- Forecasting free cash flow and terminal value.
- Comparable company analysis.
- Understanding valuation multiples and market benchmarks.
- Merger and Acquisition modelling.
- Leveraged Buyout modelling basics.
- Workshop: Performing a company valuation using multiple methodologies.



Day 5: Model Application and Best Practices

- Industry-specific modelling considerations.
- Adapting model structures to different sectors and business models.
- Model audit and review techniques.
- Identifying formula errors, logic gaps, and assumption risks.
- Presenting model results effectively.
- Advanced tips and tricks for model efficiency.
- Final activity: Presenting a completed financial model and key recommendations.

Individual Impact

- Build confidence in creating financial models from scratch.
- Improve advanced Excel skills for finance and business analysis.
- Strengthen forecasting, valuation, and scenario analysis capabilities.
- Develop stronger understanding of three-statement model integration.
- Improve ability to detect errors and build cleaner, more reliable models.
- Gain confidence in presenting model outputs to decision-makers.

Work Impact

- Improve the quality and reliability of financial planning and analysis.
- Support better investment, valuation, budgeting, and strategic decisions.
- Strengthen scenario planning and risk assessment capabilities.
- Reduce modelling errors through better structure, validation, and review.
- Improve communication of financial insights to management and stakeholders.
- Build stronger internal capability in financial modelling and decision support.

Training Methodology

This program uses a practical, hands-on approach focused on real financial modelling applications. Participants will build and review models throughout the course using realistic business scenarios. Learning methods include:

- Guided Excel demonstrations and practical exercises.
- Three-statement model-building workshops.
- Forecasting and assumption development activities.
- Scenario and sensitivity analysis practice.
- Valuation modelling case studies.
- M&A and LBO modelling examples.
- Model audit and error-checking exercises.
- Presentation of model outputs with facilitator and peer feedback.



Beyond the Course

Upon completion, participants will be prepared to build professional financial models with greater accuracy, structure, and confidence. They will return ready to:

- Create fully functional three-statement models from scratch.
- Perform company valuations using DCF and comparable methods.
- Build flexible models for scenario and sensitivity analysis.
- Apply best practices in model structure, formatting, and error-checking.
- Present financial model results clearly and professionally.
- Use financial modelling as a strong decision-support tool in real business situations.

