Advanced Business & Financial Modeling for Decision-Making

30 May – 3 June 2027
Riyadh (KSA)



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Why This Course

Business and financial modeling is an essential skill for professionals who need to analyze performance, forecast future outcomes, evaluate investments, value companies, and support strategic decision-making. In today's data-driven business environment, leaders and finance teams rely on well-built models to understand financial impact, test assumptions, assess risk, and communicate recommendations clearly.

Strong financial models are not only about formulas. They require clear structure, reliable assumptions, flexible design, logical flow, error checking, scenario analysis, and meaningful presentation of outputs. When models are built properly, they become powerful decision-support tools for budgeting, forecasting, valuation, capital investment, mergers and acquisitions, and project evaluation.

This intensive 1-week course equips professionals with advanced business and financial modeling skills using Excel. Through hands-on exercises, real-world finance scenarios, model-building workshops, valuation case studies, and dashboard development, participants will learn how to build sophisticated, dynamic, and decision-ready models for complex business needs.

What You'll Learn and Practice

By joining this program, you will:

- Construct integrated three-statement financial models with dynamic assumptions.
- Apply advanced Excel functions and tools for financial modeling and analysis.
- Build driver-based forecasts for revenue, expenses, working capital, capital expenditure, debt, and equity.
- Link income statements, balance sheets, and cash flow statements accurately.
- Build valuation models using discounted cash flow and comparable company analysis.
- Understand the fundamentals of merger and acquisition modeling.
- Explore leveraged buyout modeling concepts.
- Perform sensitivity analysis, scenario analysis, and risk assessment.
- Use Goal Seek, Solver, data tables, and Monte Carlo simulation.
- Develop models for capital budgeting, investment decisions, and project finance.
- Create rolling forecasts and variance analysis tools.
- Build flexible dashboards to present financial model outputs.
- Communicate financial insights clearly to stakeholders and decision-makers.



The Program Flow

Day 1: Foundations of Financial Modeling

- Financial modeling best practices and design principles.
- Structuring models for clarity, flexibility, and accuracy.
- Advanced Excel functions for financial modeling.
- Building blocks of three-statement financial models.
- Forecasting techniques and driver-based projections.
- Setting up assumptions, inputs, calculations, and outputs.
- Practical exercise: Building the foundation of a financial model.

Day 2: Advanced Financial Statement Modeling

- Constructing integrated income statement, balance sheet, and cash flow models.
- Linking financial statements correctly.
- Modeling working capital and capital expenditures.
- Building debt and equity schedules.
- Interest calculations, repayment schedules, and financing assumptions.
- Balancing financial statements and error-checking.
- Workshop: Building and testing an integrated three-statement model.

Day 3: Valuation Modeling Techniques

- Discounted cash flow modeling.
- Forecasting free cash flow and terminal value.
- Comparable company analysis and multiples-based valuation.
- Understanding valuation assumptions and market benchmarks.
- Merger and acquisition modeling.
- Leveraged buyout modeling fundamentals.
- Practical exercise: Constructing a DCF valuation model with sensitivity analysis.

Day 4: Scenario and Sensitivity Analysis

- Scenario Manager and data tables for sensitivity analysis.
- Testing the impact of key assumptions on valuation and performance.
- Monte Carlo simulation for risk assessment.
- Goal Seek and Solver for break-even analysis.
- Building flexible and dynamic dashboards.
- Creating interactive outputs for decision support.
- Workshop: Creating an interactive dashboard for scenario planning.



Day 5: Advanced Modeling Applications

- Project finance and capital budgeting models.
- Evaluating investment decisions using NPV, IRR, payback, and cash flow analysis.
- Rolling financial forecasts and variance analysis.
- Data visualization techniques for financial models.
- Presenting model outputs and insights to stakeholders.
- Model review, documentation, and quality control best practices.
- Final activity: Developing a capital budgeting model and presenting investment recommendations.

Individual Impact

- Build confidence in developing advanced financial models using Excel.
- Improve your ability to forecast financial performance and analyze business scenarios.
- Strengthen valuation, capital budgeting, and investment analysis skills.
- Enhance your ability to test assumptions and assess financial risk.
- Improve dashboard design and financial data visualization capabilities.
- Gain practical tools for presenting model outputs clearly and professionally.

Work Impact

- Improve the quality and reliability of financial planning and business analysis.
- Support stronger strategic decisions through dynamic financial models.
- Improve investment evaluation, valuation, and transaction analysis.
- Enhance scenario planning and risk assessment capabilities.
- Reduce modeling errors through better structure, controls, and validation.
- Strengthen communication of financial insights to leadership and stakeholders.

Training Methodology

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

- Guided Excel-based demonstrations.
- Financial modeling workshops.
- Three-statement model-building exercises.
- Forecasting and driver-based projection activities.
- DCF and comparable valuation case studies.
- M&A, LBO, and capital budgeting modeling examples.
- Scenario, sensitivity, and risk analysis exercises.
- Dashboard design and model presentation practice.
- Peer review, facilitator feedback, and practical model improvement.



Beyond the Course

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

- Build comprehensive three-statement financial models for companies or projects.
- Construct DCF valuation models with sensitivity analysis.
- Create interactive dashboards for scenario planning.
- Develop capital budgeting models for investment decisions.
- Apply financial modeling techniques to M&A, LBO, project finance, and forecasting scenarios.
- Present financial model outputs and recommendations clearly to decision-makers.

