QUEST Professional Center

PROFESSIONAL TRAINING COURSE

Course No. 1504

Advanced Financial Modelling Training Course

FINANCIAL MODELLING, VALUATION & BUSINESS ANALYSIS
FINANCE, INVESTMENT & BANKING

DURATION
5 Days

DELIVERY
Classroom

Course Overview

The Advanced Financial Modelling Training Course provides a comprehensive and practical framework for developing sophisticated financial models that support corporate finance, strategic planning, investment analysis, forecasting, valuation, and executive decision-making. The course is designed for professionals who already understand core financial concepts and require advanced capabilities to construct, analyze, stress-test, and improve complex financial models in demanding corporate and institutional environments.

The program develops advanced modelling techniques across integrated financial statements, business drivers, forecasting, cash flow, financing, capital structure, investment assumptions, scenario analysis, and valuation. Participants will learn how to structure models that clearly separate assumptions, calculations, outputs, and controls while maintaining logical relationships between operational performance and financial results.

A major focus is placed on advanced forecasting and decision-oriented modelling. Participants will develop detailed revenue and cost drivers, working capital assumptions, capital expenditure schedules, debt and financing structures, and integrated cash flow projections. They will also examine how changes in business assumptions influence profitability, liquidity, leverage, capital requirements, and enterprise value.

The course goes beyond model construction by emphasizing model integrity, flexibility, transparency, and analytical depth. Participants will apply scenario analysis, sensitivity analysis, stress testing, model validation, and financial risk assessment to determine how robust their models are under changing business conditions. Practical case studies and intensive modelling workshops will enable participants to develop an advanced financial model and use its outputs to support investment, planning, financing, and strategic decisions.

Objectives

- Analyze complex historical financial and operational data to identify the key drivers required for advanced financial modelling during the first day of the course.
- Develop an advanced integrated financial model linking the income statement, balance sheet, cash flow statement, financing, and operational assumptions by the end of the program.

- Design detailed revenue, cost, working capital, capital expenditure, depreciation, and financing schedules that support reliable financial forecasts.
- Apply advanced forecasting techniques to develop multi-period financial projections based on operational drivers and strategic assumptions.
- Evaluate the effects of capital structure, debt, interest costs, equity financing, and liquidity requirements on projected financial performance.
- Develop comprehensive base, upside, downside, and stress scenarios to evaluate alternative business and financial outcomes.
- Apply sensitivity analysis to identify critical assumptions and measure their impact on profitability, cash flow, leverage, liquidity, and valuation.
- Assess model integrity through structured validation, reconciliation, error testing, and review of formulas, linkages, and assumptions.
- Improve model flexibility and usability by applying appropriate modelling architecture, controls, documentation, and output structures.
- Prepare and present an advanced financial model and management analysis that supports strategic planning, investment decisions, financing decisions, and executive decision-making during the final workshop.

Who Should Attend

The Advanced Financial Modelling Training Course is designed for experienced finance professionals, financial analysts, corporate finance specialists, financial planning and analysis professionals, investment professionals, management accountants, business analysts, treasury specialists, and professionals involved in financial modelling, forecasting, valuation, investment analysis, budgeting, and strategic financial planning.

The course is particularly relevant to finance managers, financial controllers, corporate development managers, investment managers, senior financial analysts, treasury managers, financial planning managers, valuation specialists, and professionals supporting mergers and acquisitions, investment decisions, capital allocation, or financing activities. It is also appropriate for executives, finance directors, general managers, and senior decision makers in government entities, ministries, public-sector organizations, banks, financial institutions, oil and gas organizations, and large corporations that require advanced financial models for strategic planning and complex financial decisions.

Learning Outcomes

- Build advanced financial models using a structured and professional modelling architecture.
- Integrate complex operational assumptions with projected income statements, balance sheets, and cash flow statements.
- Develop detailed revenue, cost, working capital, capital expenditure, depreciation, debt, and financing schedules.
- Apply advanced forecasting techniques to model multi-period corporate financial performance.
- Develop detailed cash flow projections and assess liquidity and financing requirements.
- Model debt, equity, interest expenses, repayments, and capital structure assumptions.
- Create and compare multiple financial scenarios and assess their implications for corporate performance.
- Conduct advanced sensitivity analysis to identify the variables with the greatest impact on financial results.
- Validate complex financial models, identify structural weaknesses, and improve model integrity and transparency.
- Interpret model outputs and present financial insights, risks, scenarios, and recommendations to senior management.

Course Outline

DAY 01

Advanced Financial Modelling Architecture and Business Drivers

- Advanced principles and applications of financial modelling
- Designing professional financial model architecture
- Structuring assumptions, calculations, outputs, and control mechanisms
- Historical financial and operational data analysis
- Identifying key business and value drivers
- Revenue modelling using volume, price, market, and growth assumptions
- Advanced operating cost and margin modelling
- Building dynamic assumptions and model drivers

DAY 01 — CONTINUED

- Model transparency, documentation, and auditability

> **PRACTICAL APPLICATION**
>
> Designing the architecture and driver framework for an advanced corporate financial model

DAY 02

Advanced Integrated Financial Statements and Forecasting

- Advanced income statement forecasting
- Detailed balance sheet and working capital modelling
- Capital expenditure and depreciation schedules
- Advanced cash flow forecasting
- Building integrated three-statement financial models
- Modelling operating, investing, and financing activities
- Developing multi-period financial projections
- Linking operational drivers to financial statements
- Forecast validation and financial statement reconciliation

> **PRACTICAL APPLICATION**
>
> Building and integrating a multi-period three-statement financial model

DAY 03

Advanced Financing, Capital Structure and Cash Flow Modelling

- Debt structure and financing assumptions
- Debt schedules, repayments, maturities, and interest calculations
- Equity financing and capital structure modelling
- Leverage and financing capacity analysis
- Cash flow forecasting and liquidity management
- Free cash flow and cash conversion analysis

DAY 03 — CONTINUED

- Refinancing and alternative financing scenarios
- Evaluating financing impacts on profitability and financial risk
- Capital allocation and funding requirements

PRACTICAL APPLICATION

Developing advanced debt, financing, liquidity, and capital structure models

DAY 04

Advanced Scenario Analysis, Sensitivity and Model Risk

- Advanced scenario modelling methodologies
- Building base, upside, downside, and stress cases
- Multi-variable sensitivity analysis
- Identifying critical assumptions and financial drivers
- Stress testing profitability, cash flow, leverage, and liquidity
- Assessing changes in market, operating, and financing conditions
- Model validation and error detection
- Reconciliation, control checks, and model integrity
- Evaluating model risk and forecast uncertainty

PRACTICAL APPLICATION

Stress-testing the advanced financial model under multiple business and financial scenarios

DAY 05

Advanced Model Applications, Valuation and Strategic Decision-Making

- Reviewing and validating the complete advanced financial model
- Interpreting financial model outputs and key performance indicators
- Using financial models for strategic planning and capital allocation
- Supporting investment analysis and corporate valuation

DAY 05 — CONTINUED

- Assessing financing alternatives and investment returns
- Preparing management scenarios and decision-support analysis
- Developing executive-level financial outputs and recommendations
- Communicating model assumptions, risks, scenarios, and conclusions

> **FINAL WORKSHOP**
> Building, testing, and presenting a complete advanced financial model

- Final review, action plan, and implementation recommendations

Register or Request More Information

Course page: https://quest-training.com/courses/advanced-financial-modelling-training-course
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