FINANCIAL MODELLING



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GENTEX Training Center LLC | Orlando - FL, USA
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Introduction

Financial Modelling Training Course builds the modelling capability that analysts, accountants, and finance professionals need to build spreadsheets that support real decisions. A financial model is a structured argument expressed in numbers. It states assumptions, calculates their consequences, and reveals the outcome. Models built without structure produce numbers nobody can trace or defend. This course develops the discipline that prevents that. It covers model architecture, forecasting, and the three-statement build. Furthermore, it applies scenario construction, valuation, and sensitivity analysis. In addition, it develops error checking, documentation, and model review. As a result, participants build models that decision-makers and auditors can rely on.

Financial Modelling Course Objectives

- Apply financial modelling principles and structural design standards.
- Build driver-based forecasts for revenue, cost, and capital.
- Construct integrated three-statement financial models.
- Apply time series and regression forecasting techniques.
- Build working capital, debt, and tax schedules.
- Apply NPV, IRR, and payback to investment decisions.
- Apply DCF and multiples valuation approaches.
- Apply scenario, sensitivity, and data table analysis.
- Apply formula auditing, error checks, and integrity testing.
- Document assumptions, version control, and model handover.

Course Methodology

- Interactive lectures with real model builds and case files.
- Model architecture and forecasting workshops.

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- Three-statement, valuation, and debt schedule exercises.
- Scenario, sensitivity, and model auditing practice.
- Structured peer review with facilitator feedback on model quality.

Who Should Take This Course

- Financial analysts and FP&A professionals.
- Investment banking and corporate finance staff.
- Management accountants and controllers.
- Private equity and credit analysts.
- Treasury and planning professionals.
- Consultants building financial models.

Financial Modelling Course Outlines

Day 1: Modelling Principles and Architecture

- Purpose, audience, and output requirement definition.
- Workbook structure: inputs, calculations, and outputs.
- Timeline, periodicity, and calendar design decisions.
- Named ranges, tables, and consistency standards.
- Best practice modelling rules and layout conventions.
- Assumption registers and documentation design.
- Case study: reviewing a poorly structured financial model.

Day 2: Forecasting and Driver-Based Modelling

- Historical analysis and baseline establishment.

- Driver-based forecasting and operational linkage.
- Time series methods: moving average and exponential smoothing.
- Regression analysis and coefficient interpretation.
- Seasonality, trend, and cyclical adjustment.
- Scenario switching with CHOOSE and INDEX controls.
- Workshop: building a driver-based revenue and cost forecast.

Day 3: Integrated Three-Statement Modelling

- Income statement build and margin layer computation.
- Balance sheet construction and balance proofing.
- Cash flow statement linkage and reconciliation.
- Working capital schedule modelling.
- Depreciation, capital expenditure, and asset roll-forward.
- Debt schedule, interest, and circularity handling.
- Workshop: building an integrated three-statement model.

Day 4: Valuation, Debt, and Return Analysis

- Weighted average cost of capital and discount rate derivation.
- Discounted cash flow valuation and terminal value methods.
- Multiples valuation and comparable company analysis.
- NPV, IRR, payback, and profitability index outputs.
- Debt sizing, amortisation, and coverage ratio modelling.
- Equity returns and shareholder value analysis.
- Workshop: valuing a business with DCF and multiples.

Day 5: Scenarios, Sensitivity, and Model Auditing

- Scenario design: base, upside, and downside construction.
- One-way and two-way data tables for sensitivity.
- Monte Carlo basics and probability outputs.
- Formula auditing, trace tools, and error checking.
- Integrity tests, balance checks, and warning indicators.
- Documentation, version control, and model handover.
- Course review, assessment, and action planning.

Conclusion

By successfully completing Financial Modelling, participants will gain a thorough understanding of modelling principles and architecture, forecasting and driver-based modelling, integrated three-statement modelling, valuation, debt and return analysis, and scenarios, sensitivity and model auditing. They will also acquire practical skills in financial model architecture and structural design, driver-based forecasting and time series analysis, integrated three-statement model construction, and business valuation, sensitivity analysis and model auditing. In addition, the course prepares them to build models that others can trace, audit, and update. Gentex Training Center delivers this programme with a strong focus on applied modelling practice and review-ready model files.

FAQs for Financial Modelling course

Q1 What is the "Financial Modelling" course about?

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It is a five-day programme on building financial models that support decisions. It covers modelling principles and architecture, forecasting and driver-based modelling, integrated three-statement modelling, valuation and return analysis, and scenarios, sensitivity and model auditing.

Q2 What are the key benefits of the "Financial Modelling" course?

Participants build models that others can trace, audit, and update. The course improves structural design and formula consistency, sharpens driver-based forecasting, strengthens three-statement linkage and balance proofing, improves valuation and return outputs, and raises sensitivity analysis and model auditing quality.

Q3 What skills will I gain from the "Financial Modelling" course?

Participants gain financial model architecture and structural design, driver-based forecasting and time series analysis, integrated three-statement model construction, and business valuation, sensitivity analysis and model auditing. These four skills cover the practical core of financial modelling work.

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Q4 What tools, methods, or standards are covered in the "Financial Modelling" course?

The course covers model purpose and output requirements, workbook structure with inputs, calculations and outputs separation, timeline and periodicity design, named ranges, tables and consistency standards, best practice modelling rules and layout conventions, assumption registers and documentation, historical analysis and baseline establishment, driver-based forecasting and operational linkage, moving average and exponential smoothing, regression analysis and coefficient interpretation, seasonality, trend and cyclical adjustment, CHOOSE and INDEX scenario switching, income statement build and margin layer computation, balance sheet construction and balance proofing, cash flow statement linkage and reconciliation, working capital schedule modelling, depreciation, capital expenditure and asset roll-forward, debt schedule, interest and circularity handling, weighted average cost of capital and discount rate derivation, discounted cash flow valuation and terminal value methods, multiples valuation and comparable company analysis, Net Present Value, internal rate of return, payback and profitability index outputs, debt sizing, amortisation and coverage ratio modelling, equity returns and shareholder value analysis, scenario design across base, upside and downside cases, one-way and two-way data tables, Monte Carlo basics, formula auditing and trace tools, integrity tests and balance checks, and documentation, version control and model handover.

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Q5 How is the "Financial Modelling" course applied in real-world practice?

Participants apply the techniques to real modelling assignments. They define model purpose and outputs, design workbook structures with separated inputs, calculations and outputs, set timelines and assumption registers, build driver-based revenue and cost forecasts with time series and regression methods, construct integrated three-statement models with working capital, fixed asset and debt schedules, handle interest and circularity, derive discount rates and WACC, value businesses with DCF and multiples, calculate NPV, IRR and payback, size debt against coverage constraints, model equity returns, run scenario and sensitivity analysis with data tables and Monte Carlo, apply formula auditing and integrity tests, and document models for handover. Many leave with a three-statement model template, a valuation and sensitivity workbook, and a model audit checklist ready to use.