

Project Finance Modeling Training Course

Professional Development Training Course Outline

Category	ACCOUNTING & FINANCE	Duration	10 Days
Base Fee	\$3,000 USD	Delivery Mode	Online / On-site Hybrid

Course Introduction

Project Finance Modeling Training Course is designed to equip professionals with advanced skills in project structuring, financial forecasting, risk assessment, and investment decision modeling. This course integrates real-world financial modeling techniques, cash flow analysis, and structured finance principles to support large-scale infrastructure, energy, and corporate development projects globally. It is tailored for professionals seeking mastery in Excel-based modeling, valuation frameworks, and strategic project financing decisions.

In today's competitive global economy, project finance modeling has become a critical capability for investment banks, infrastructure developers, private equity firms, and corporate finance teams. This training focuses on building robust financial models that support long-term capital-intensive projects, ensuring accuracy in forecasting, optimization of capital structure, and enhanced investment appraisal under varying risk scenarios.

Programme Curriculum

Project Finance Modeling Training Course

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Course Objectives

1. Develop advanced project finance modeling and valuation expertise
2. Master cash flow structuring for infrastructure and capital projects
3. Understand debt structuring, equity financing, and hybrid instruments
4. Build dynamic Excel-based financial models for decision-making
5. Apply risk analysis and sensitivity modeling techniques
6. Learn scenario planning for financial forecasting accuracy
7. Evaluate project feasibility using IRR, NPV, and DSCR metrics
8. Understand global project finance frameworks and standards
9. Enhance investment appraisal and capital budgeting skills
10. Apply structured finance principles in real-world projects
11. Improve financial decision-making in high-value projects
12. Integrate ESG and sustainability in project finance models
13. Strengthen reporting and presentation of financial models

Organizational Benefits

- Improved financial decision-making accuracy
- Enhanced project success rates
- Stronger investment evaluation capabilities
- Better risk mitigation and control
- Increased financial forecasting reliability
- Optimized capital allocation efficiency
- Stronger stakeholder confidence
- Enhanced profitability of large-scale projects

Target Audiences

- Investment bankers and financial analysts
- Corporate finance managers
- Project managers in infrastructure and energy sectors
- Private equity and venture capital professionals
- Financial consultants and advisors
- Government infrastructure planners
- Risk management professionals
- Business analysts and financial strategists

Course Duration: 10 days

Course Modules

Module 1: Introduction to Project Finance

- Overview of project finance structure
- Key stakeholders in project financing
- Risk allocation principles
- Global financing frameworks
- Project lifecycle understanding
- Case study: International airport development financing

Module 2: Financial Modeling Foundations

- Excel modeling fundamentals
- Model structure design principles
- Data organization techniques
- Financial statement integration
- Error checking and validation
- Case study: Renewable energy startup model

Module 3: Cash Flow Analysis

- Operating cash flow modeling
- Free cash flow computation
- Discounted cash flow concepts
- Cash flow timing structures
- Revenue forecasting techniques
- Case study: Toll road infrastructure project

Module 4: Debt Structuring

- Senior and subordinated debt structures
- Interest calculation models
- Debt repayment schedules
- Covenant analysis
- Debt sizing techniques
- Case study: Power plant financing model

Module 5: Equity Financing Models

- Equity contribution structures
- Investor return modeling
- Dividend distribution analysis
- Equity IRR calculation

- Capital injection timing
- Case study: Tech infrastructure equity funding

Module 6: Risk Analysis in Projects

- Identifying financial risks
- Credit risk modeling
- Market risk assessment
- Operational risk evaluation
- Risk mitigation strategies
- Case study: Oil pipeline financing risk model

Module 7: Sensitivity Analysis

- Variable impact modeling
- Scenario-based forecasting
- Best and worst-case analysis
- Monte Carlo simulation basics
- Output interpretation
- Case study: Wind farm revenue sensitivity

Module 8: Project Valuation Techniques

- NPV and IRR modeling
- Payback period analysis
- Profitability index calculation
- Terminal value estimation
- Discount rate selection
- Case study: Hydropower valuation model

Module 9: Capital Structure Optimization

- Debt-equity balance strategies
- Weighted average cost of capital
- Financing mix optimization
- Leverage impact analysis
- Capital efficiency metrics
- Case study: Highway PPP project

Module 10: Financial Forecasting

- Revenue projection models
- Cost estimation techniques
- Long-term forecasting tools
- Inflation adjustments
- Macroeconomic integration
- Case study: Airport expansion forecasting

Module 11: Excel Advanced Techniques

- Macros and automation
- Advanced formulas
- Data visualization dashboards
- Model auditing tools
- Dynamic modeling systems
- Case study: Smart city financial dashboard

Module 12: Infrastructure Project Finance

- PPP and BOT models
- Government financing structures
- Infrastructure risk allocation
- Regulatory frameworks
- Contract structuring
- Case study: Metro rail project financing

Module 13: Energy Sector Financing

- Renewable energy modeling
- Power purchase agreements
- Tariff modeling structures
- Energy risk analysis
- Funding mechanisms
- Case study: Solar farm investment model

Module 14: Mergers & Acquisition Finance

- Acquisition modeling techniques
- Synergy valuation
- Deal structuring models
- Leveraged buyouts basics
- Post-merger integration analysis
- Case study: Utility company acquisition

Module 15: ESG & Sustainable Finance

- ESG integration in models
- Green financing structures
- Sustainability risk metrics
- Climate impact valuation
- Sustainable investment frameworks
- Case study: Carbon-neutral infrastructure project

Training Methodology

- Instructor-led interactive sessions
- Hands-on Excel-based modeling practice
- Real-world project case studies
- Group financial simulation exercises
- Industry scenario analysis workshops
- Live problem-solving sessions
- Continuous assessment and feedback

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

- a. The participant must be conversant with English.
- b. Upon completion of training the participant will be issued with an Authorized Training Certificate
- c. Course duration is flexible and the contents can be modified to fit any number of days.
- d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.
- e. One-year post-training support Consultation and Coaching provided after the course.
- f. Payment should be done at least a week before commencement of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
21 Sep 2026	02 Oct 2026	Online	\$2,000
21 Sep 2026	02 Oct 2026	Physical	\$3,000
21 Sep 2026	02 Oct 2026	Physical	\$0
21 Sep 2026	02 Oct 2026	Physical	\$0
21 Sep 2026	02 Oct 2026	Physical	\$0
21 Sep 2026	02 Oct 2026	Physical	\$0
21 Sep 2026	02 Oct 2026	Physical	\$0
21 Sep 2026	02 Oct 2026	Physical	\$0

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