

The Modern Excel Finance























Table of Contents

Finance – The All-Encompassing Skills	3
Duration	3
Objectives	3
Outline of Excel Finance Course	4
1. Introduction to Excel in Finance	4
1.1 Overview of Excel in Finance	4
1.2 Essential Excel Skills for Finance	4
1.3 Excel Shortcuts for Efficiency	4
2. Financial Modeling Foundations	4
2.1 Introduction to Financial Modeling	4
2.2 Building a Basic Financial Model	4
2.3 Sensitivity Analysis and Scenario Planning	4
3. Advanced Financial Functions in Excel	5
3.1 Time Value of Money (TVM) Calculations	5
3.2 Statistical Functions for Analysis	5
3.3 Date and Time Functions	5
4. Financial Reporting and Analysis	5
4.1 Financial Ratio Analysis	5
4.2 Variance Analysis and Dashboard Reporting	5
4.3 Data Visualization for Financial Analysis	5
 Budgeting and Forecasting Creating a Budget in Excel 	5
5.2 Forecasting Techniques	6
5.3 Advanced Budgeting Strategies	6
6. Advanced Financial Modeling	6
6.1 Advanced Scenario Analysis	6
6.2 Mergers and Acquisitions (M&A) Modeling	6
6.3 Financial Modeling Best Practices	6
7. Automation and Macros in Finance	6
7.1 Introduction to Excel Macros	6
7.2 Advanced Macro Techniques	6
7.3 Dynamic Dashboards with Power Query	6
8. Real-world Finance Applications and Case Studies	7
8.1 Industry-specific Finance Modeling	7
8.2 Financial Modeling for Startups	7
8.3 Exporting and Sharing Dashboards	7



Data Model



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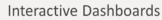
















<u>Finance – The All-Encompassing Skills</u>

A customizable course according to your company's requirements.

Duration

8 hours

Objectives

- 1. Introduction to Excel in Finance
- **Financial Modeling Foundations**
- Advanced Financial Functions in Excel
- Financial Reporting and Analysis
- **Budgeting and Forecasting**
- **Advanced Financial Modeling**
- Automation and Macros in Finance
- Real-world Finance Applications and Case Studies

This a completely hand-on lecture! No PowerPoint- students will be practicing on SharePoint and excel throughout the lecture.





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Interactive Dashboards

Excel Online



Outline of Excel Finance Course

1. Introduction to Excel in Finance

1.1 Overview of Excel in Finance

- Understanding Excel's role in financial analysis and modeling
- Key features and functions relevant to finance professionals

1.2 Essential Excel Skills for Finance

- Basic Excel functions for financial calculations
- · Data organization and formatting best practices

1.3 Excel Shortcuts for Efficiency

- Time-saving keyboard shortcuts for financial tasks
- Navigating Excel efficiently for financial modeling

2. Financial Modeling Foundations

2.1 Introduction to Financial Modeling

- Defining financial modeling and its applications
- Understanding the importance of accurate financial models

2.2 Building a Basic Financial Model

- Constructing a simple income statement and balance sheet
- · Linking financial statements for dynamic modeling

2.3 Sensitivity Analysis and Scenario Planning

- Performing sensitivity analysis for variable inputs
- Creating scenarios to assess potential financial outcomes





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Interactive Dashboards

Excel Online

3. Advanced Financial Functions in Excel

3.1 Time Value of Money (TVM) Calculations

- Mastering Excel functions for TVM calculations (PV, FV, NPV, IRR)
- Evaluating investment opportunities with Excel

3.2 Statistical Functions for Analysis

- Utilizing advanced financial functions (XNPV, XIRR)
- Analyzing cash flows with irregular periods

3.3 Date and Time Functions

- Using Goal Seek for financial goal optimization
- Applying Solver for complex financial modeling scenarios

4. Financial Reporting and Analysis

4.1 Financial Ratio Analysis

- Calculating key financial ratios in Excel
- Interpreting ratios for financial health assessment

4.2 Variance Analysis and Dashboard Reporting

- Analyzing variances between actual and forecasted financials
- Creating dynamic dashboards for financial reporting

4.3 Data Visualization for Financial Analysis

- Advanced charting techniques for financial data
- Enhancing visualizations for impactful financial presentations

5. Budgeting and Forecasting

5.1 Creating a Budget in Excel

- Building a comprehensive budget model
- Incorporating assumptions and forecasting techniques

















5.2 Forecasting Techniques

- Time-series forecasting using moving averages and exponential smoothing
- Implementing rolling forecasts for dynamic planning

5.3 Advanced Budgeting Strategies

- Beyond static budgets: Rolling, flexible, and zero-based budgeting
- Integrating budgeting with financial modeling

6. Advanced Financial Modeling

6.1 Advanced Scenario Analysis

- Creating advanced scenarios for complex financial modeling
- Assessing risk and uncertainty in financial projections

6.2 Mergers and Acquisitions (M&A) Modeling

- Modeling M&A transactions in Excel
- Analyzing the financial impact of mergers and acquisitions

6.3 Financial Modeling Best Practices

- Excel best practices for efficient and error-free financial modeling
- Documenting and validating financial models

7. Automation and Macros in Finance

7.1 Introduction to Excel Macros

- Basics of recording and running macros in Excel
- Automation opportunities in financial modeling

7.2 Advanced Macro Techniques

- Creating user-defined functions (UDFs) for financial tasks
- Implementing advanced automation with VBA

7.3 Dynamic Dashboards with Power Query

- Developing user-friendly financial applications with Excel
- Integrating financial models with external databases and APIs





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PivotChart



Interactive Dashboards

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8. Real-world Finance Applications and Case Studies

8.1 Industry-specific Finance Modeling

- Tailoring financial models for industry-specific needs
- Analyzing real-world finance applications

8.2 Financial Modeling for Startups

- Designing financial models for startup valuation and planning
- Addressing unique challenges in startup finance

8.3 Exporting and Sharing Dashboards

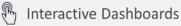
- Engaging with finance experts to discuss advanced financial modeling
- Addressing participant questions and providing insights











Power BI

