MAWA EVENTS

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ESSENTIAL FINANCIAL FORMULAS AND THEIR APPLICATIONS

“Mastering Core Financial Calculations for Practical Business, Investment, and Risk Decision-Making”

Schedule

Date	Venue	Fees (Face-to-Face)
18 – 22 May 2026	Dubai, UAE	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Financial decision-making is driven by data, models, and formulas that quantify value, risk, cost, and performance. Professionals in finance, investment, and business roles must confidently apply core financial formulas to analyze opportunities, structure deals, assess risks, and drive performance.

This intensive 5-day training program provides participants with a comprehensive foundation in the most widely used financial formulas and their practical applications. Through case studies, real-world data, and interactive exercises, participants will learn to calculate, interpret, and apply these formulas across corporate finance, investment analysis, budgeting, and risk management contexts.

Objectives

By the end of this course, participants will be able to:

- Apply core financial formulas used in time value of money, profitability, and valuation
- Analyze investment decisions using NPV, IRR, payback, and profitability index
- Perform ratio analysis and working capital assessments
- Calculate cost of capital and evaluate financing alternatives
- Use financial formulas to manage risk, budgeting, and capital allocation

Why Attend

- Build a strong foundation in essential financial calculations and analysis
- Improve your decision-making across budgeting, investment, and funding processes
- Gain clarity on how financial metrics affect profitability and risk
- Strengthen your analytical confidence in Excel and business models
- Translate numbers into insights that drive business value

Target Audience

This program is designed for:

- Financial analysts and corporate finance professionals
- Business planners and budget officers
- Investment analysts and fund managers
- Internal auditors and controllers
- Professionals preparing for finance or accounting certifications

Individual Benefits

Key competencies that will be developed include:

- Mastery of foundational formulas in finance and investment
- Confidence in applying formulas to real business decisions
- Improved use of Excel for modeling and analysis
- Sharpened skills in interpreting financial reports and ratios
- Practical understanding of capital budgeting and return metrics

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- More accurate and insightful financial evaluations
- Enhanced strategic decision support using quantitative tools
- Stronger budget planning, forecasting, and investment appraisals
- Greater alignment between financial metrics and business goals
- Increased cross-functional collaboration based on financial fluency

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Key concepts, formulas, and financial frameworks
- Case Studies – Application of formulas to business and investment scenarios
- Workshops – Hands-on problem solving using calculators and Excel
- Peer Exchange – Interactive group work and financial model reviews
- Tools – Excel templates, formula sheets, and ratio dashboards

Course Outline

DETAILED 5-DAY COURSE OUTLINE

Training Hours: 07:30 AM – 03:30 PM **Daily Format**: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Time Value of Money and Financial Foundations

- Module 1: Time Value of Money (07:30 – 09:30) • Present value and future value • Annuities and perpetuities • Discounting and compounding
- Module 2: Real-World TVM Applications (09:45 – 11:15) • Loan amortization • Retirement and investment planning • Lease and annuity evaluations
- Module 3: Excel for Financial Calculations (11:30 – 01:00) • PV, FV, RATE, NPER, PMT functions • Financial calculator usage • TVM tables and best practices
- Module 4: Workshop – TVM Case Simulations (02:00 – 03:30) • Hands-on exercises for real-life financial problems

Day 2: Investment Appraisal and Capital Budgeting

- Module 1: NPV and IRR Calculations (07:30 – 09:30) • Net Present Value (NPV) • Internal Rate of Return (IRR) • Reinvestment assumptions
- Module 2: Comparing Investment Options (09:45 – 11:15) • Payback Period • Discounted Payback • Profitability Index
- Module 3: Sensitivity and Scenario Analysis (11:30 – 01:00) • Changing cash flow assumptions • Break-even analysis • Risk adjustment in appraisal
- Module 4: Workshop – Project Appraisal Model (02:00 – 03:30) • Building and presenting a capital budgeting model

Day 3: Ratio Analysis and Working Capital Management

- Module 1: Financial Ratio Overview (07:30 – 09:30) • Liquidity, solvency, profitability, and efficiency ratios • Trend analysis and benchmarking
- Module 2: Interpreting Financial Health (09:45 – 11:15) • DuPont Analysis • Altman Z-score and credit risk • Business performance diagnostics
- Module 3: Working Capital Formulas (11:30 – 01:00) • Cash conversion cycle • Inventory turnover and DSO/DPO • Net working capital optimization
- Module 4: Workshop – Financial Statement Analysis (02:00 – 03:30) • Hands-on analysis of real company statements

Day 4: Cost of Capital and Financing Decisions

- Module 1: Cost of Debt and Equity (07:30 – 09:30) • Post-tax cost of debt • CAPM and dividend models • Market vs. book values
- Module 2: Weighted Average Cost of Capital (WACC) (09:45 – 11:15) • Capital structure considerations • WACC calculation steps • Real-world implications
- Module 3: Capital Structure Analysis (11:30 – 01:00) • Optimal leverage decisions • Debt-equity trade-offs • Impact on valuation
- Module 4: Workshop – WACC and Financing Mix (02:00 – 03:30) • Evaluating real or simulated capital structures

Day 5: Budgeting, Forecasting, and Strategic Applications

- Module 1: Budgeting and Forecasting Formulas (07:30 – 09:30) • Fixed vs. variable cost behavior • Break-even and contribution margin • Forecasting sales and profits
- Module 2: Variance and Performance Analysis (09:45 – 11:15) • Variance formulas: material, labor, overhead • Flexible budgeting comparisons • Cost-volume-profit analysis
- Module 3: Strategic Use of Financial Metrics (11:30 – 01:00) • Economic Value Added (EVA) • Return on Investment (ROI) • Value drivers and financial KPIs
- Module 4: Final Workshop – Financial Strategy Simulation (02:00 – 03:30) • Teams apply formulas in a business scenario • Peer review and trainer feedback

Certification

Participants will receive a Certificate of Completion in Essential Financial Formulas and Their Applications, validating their ability to apply financial calculations in business decision-making, performance analysis, and strategic planning.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**