MAWA EVENTS

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INTEREST RATE OPTIONS TRADING AND ADVANCED TECHNIQUES

"Unlocking Strategic Value from Interest Rate Volatility"

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

This intensive 5-day training course dives deep into the world of interest rate options, empowering participants with advanced tools to manage interest rate exposure and volatility. Designed for traders, analysts, and risk professionals, the program covers everything from pricing fundamentals to structured strategies and risk management techniques using interest rate derivatives.

Through real-world simulations, case studies, and scenario analysis, participants will gain the confidence to trade and structure interest rate options in both speculative and hedging contexts.

Objectives

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

- Understand the mechanics and types of interest rate options (caps, floors, collars, swaptions)
- Apply option pricing models including Black-Scholes and Black model
- Construct option-based hedging and yield curve strategies
- Evaluate volatility surfaces and Greeks for interest rate options
- Use interest rate options in portfolio and risk management

Why Attend

- Master complex option strategies relevant in today’s rising/falling rate environments
- Learn to model and price instruments using real market data
- Enhance decision-making under interest rate uncertainty
- Gain a practical edge with structured simulations and case analysis

Target Audience

- Fixed Income & Derivatives Traders
- Treasury and Asset-Liability Management (ALM) Teams
- Risk Management Professionals
- Investment Analysts & Portfolio Managers
- Quant Analysts and Financial Engineers
- Central Bank & Regulatory Personnel

Individual Benefits

- Expertise in trading interest rate options and swaptions
- Ability to structure cost-efficient hedging strategies
- Enhanced understanding of volatility dynamics and option sensitivities
- Application of advanced pricing models and Greeks analysis

Organizational Benefits

- Improved hedging capabilities and P&L stability
- Enhanced risk-adjusted performance of fixed-income portfolios
- Smarter use of options for liability and yield curve management
- Stronger in-house capabilities for derivatives valuation and compliance

Instructional Methodology

- Lectures – Concepts explained with current market references
- Workshops – Hands-on modeling in Excel or platforms
- Case Studies – Market events, yield curve trades, risk hedges
- Simulations – Trading interest rate options with real-time pricing
- Tools – Pre-built models, pricing templates, and volatility calculators

Course Outline

DETAILED 5-DAY COURSE OUTLINE (Customizable) Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Interest Rate Options

- Module 1: Overview of Interest Rate Markets & Volatility Drivers
- Module 2: Introduction to Options – Calls, Puts, Payoff Diagrams
- Module 3: Types of Interest Rate Options – Caps, Floors, Swaptions
- Module 4: Case Study – Real-World Cap/Floor Hedging in Corporate Treasury

Day 2: Option Pricing and Valuation Models

- Module 5: Time Value, Intrinsic Value, and Moneyness
- Module 6: Black-Scholes and Black Model for IR Options
- Module 7: Understanding and Interpreting Volatility Surfaces
- Module 8: Excel-Based Workshop – Pricing IR Options Step-by-Step

Day 3: Strategies and Structured Solutions

- Module 9: Caps, Floors, and Collars in ALM and Treasury
- Module 10: Swaption Strategies – Receiver, Payer, Straddle, Strangle
- Module 11: Advanced Hedging with Options vs. Futures/Swaps
- Module 12: Simulation – Building a Structured Yield Enhancement Trade

Day 4: Risk Management with Options

- Module 13: Sensitivities (Greeks): Delta, Vega, Gamma, Theta, Rho
- Module 14: Volatility Risk and Risk Reversals
- Module 15: Backtesting Hedging Strategies and Performance Attribution
- Module 16: Case Study – Using Options During Rate Hikes

Day 5: Application, Integration & Simulation

- Module 17: Options in Portfolio Management and ALM
- Module 18: Managing Complex Option Books and Limit Structures
- Module 19: Final Group Simulation – Trade, Price, and Hedge a Portfolio
- Module 20: Wrap-up, Action Plans & Certification Distribution

Certification

Participants will receive a Certificate of Completion in Interest Rate Options Trading and Advanced Techniques, signifying their expertise in derivative trading and fixed income risk management.

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.

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