

MathFinance Training Options & Structured Products



Who should attend?

- Quants/ Financial Engineers: To learn how the products are used
- Traders: To deepen the technical background
- Risk Managers: To understand the front-office way of thinking
- Structurers: To learn more about pricing and
- Researchers: To understand the practical matters
- Sales People: To get the overview of product development and smile adjustments

This course is for anyone new to FX Exotics and for those who need to bring their knowledge up to date and learn how the overall FX options market works. However, this is not a basic course on options and understanding of the FX vanilla options market and FX smile is essential to understanding exotics.

The program is also not a pure quantitative modeling seminar, but will provide the necessary mathematics you need to understand to be successful in FX Options.

Pricing

Regular: EUR 1750* Group discount (2 or more): EUR 1500 p.p.* * 19% VAT will be added

The rate includes course material, refreshments and lunch on all days.

Why this course?

Uwe Wystup has been teaching this course for over 10 years and refines it constantly to the specific needs of the banking industry. Almost all known banks and software companies incl. ABN Amro, Bank of America Merril Lynch, Banca IMI, Bank of Thailand, Barclays, Bloomberg, BNP Paribas, BHF-Bank, Commerzbank, Danskebank, Dresdner Kleinwort, DZ Bank, HSBC, ICICI Bank, ING, KBC Belgium, La Caixa Spain, Landesbanki Island, Lippobank, Lloyds, Morgan Stanley, Nordea, OCBC, Royal Merchand Bank South Africa, RBS, Standard Chartered, Superderivatives, The Austrian Banking Regulation Association, UBS, Unicredit, Wachovia (USA) have sent regular participants to this

Uwe and his team at MathFinance work on the current challenges of the financial industry in their projects on a daily basis. They belong to the few global hybrids working on bridging the gap between the derivatives market and academic research.

Some quotes from former attendees:

- "I would like to thank Uwe Wystup for providing this course. It is very well organized, hundreds of questions were answered, many details clarified, especially those that one can hardly find in a text-book. I really enjoyed it, thank you."
- "Best balance between practice and theory"
- "Great course with in-depth about (exotic) FX options. Uwe clearly has lots of experience and explains the complex material very clear."
- "Wystup is good!

www.mathfinance.com

Your instructor



Uwe is an extremely experienced practitioner in the field of foreign exchange options, a senior academic and a highly engaging trainer. He has worked as financial engineer, trader and structurer at Deutsche Bank, Citibank, UBS, Sal. Oppenheim and Commerzbank. He is founder and managing director of MathFinance AG, a global team of financial engineers providing consulting / software for FX Options desks.

As an FX Options international expert in both academia and practice, Uwe is well known for his many publications on FX Exotics and related topics. His 2002 book on Foreign Exchange Risk has become a market standard. The second edition of his book on FX Options & Structured Products was published in 2017 as part of the Wiley Finance Series and a new one on Modeling Foreign Exchange Options will appear soon in the same series.

His academic career began with his PhD in mathematical finance from Carnegie Mellon University and evolved to his current role as Professor of Financial Option Price Modelling and Foreign Exchange Derivatives at University of Antwerp and Honorary Professor of Quantitative Finance at Frankfurt School of Finance & Management.



MathFinance Training Options & Structured Products

Course Overview & Agenda

Foreign Exchange options and exotics are becoming increasingly commonplace in today's capital markets. The objective of this workshop is to develop a solid understanding of the current currency derivatives used in international treasury management. This will give participants the mathematical and practical background necessary to deal with all the products on the market.

Learn how the FX Options market works from an extremely experienced practitioner, get the market view you can't get from a text book, benefit from in-class case studies and exercises, immediate practice of the theory, learn about the FX smile surface, the way it is built, used and handled. Get the feeling of the hedging approach, understand what most off-the-shelf software provides: insights into pros and cons of financial models, understand structuring well so that you can do it yourself and not be cheated any longer, understand how to hedge which product and the market price of hedging strategies.

Day 1

Review of the Fundamentals

Fundamentals

Pricing and Hedging in the Black-Scholes model

Vanilla Options

Workshop: Acquaint yourself with pricing software and market quotes Volatility

Workshop: Build your own interpolation tool for volatility smile, calculate Greeks in terms of deltas, hedging volatility risk, deriving the strike from the

delta with smile

Structuring with Vanilla Options

Workshop: Structure your own seagull. Include sales margin. Solve for zero-cost.

Calculate delta and vega hedge. Discuss bid-ask spread. Analyze smile effect.

Day 2

Structuring and Pricing Models

First Generation Exotics: Products, Pricing and Hedging

Workshop: Hedging a knock-out with a risk reversal. Build your own semi-static hedging tool, discuss forward volatility risk

Applications in Structuring

Workshop: Structuring exercises: build structures, solve for zero cost, smile adjustment, bid-ask spreads

Vanna-Volga Pricing compared to Local-Stochastic Volatility

Workshop: Pricing of barrier options with smile

Overview of Market Models



Registration Form

Please return to MathFinance AG by email to: info@mathfinance.com .
I want to register for the FX Options & Structured Products Course in Frankfurt:
Title:
Full Name:
Organisation:
Function:
Email:
Phone:
Address Line 1:
Address Line 2:
City:
Post Code:
Country:
Pricing*
Regular: EUR 1,750 p.p.
Group discount (2 or more): EUR 1,500 p.p.

Date

Signature (or typed name)

By signing and sending this form I agree to the terms and conditions of MathFinance to be found under https://mathfinance.com/terms-and-conditions/ and to forwarding my contact details to sponsors and all other delegates, the privacy policy to be found under https://www.mathfinance.com/datenschutzbestimmungen/

*(19% VAT will be added). The price includes course materials, refreshments and lunch on all days. Unless specifically requested, an invoice will be sent to the email address provided in this form. Payments are due 2 weeks before

Yes, I want to receive the free monthly Newsletter.

commencement of the training course

You can always request a complete deletion of all your data by sending an email to: info@mathfinance.com.



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I want to register for the FX Options & Structured Products Course in Frankfurt:
Title:
Full Name:
Organisation:
Function:
Email:
Phone:
Address Line 1:
Address Line 2:
City:
Post Code:
Country:
Pricing*
Regular: EUR 1,750 p.p.
Group discount (2 or more): EUR 1,500 p.p.

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Date Signature (or typed name)

By signing and sending this form I agree to the terms and conditions of MathFinance to be found under https://mathfinance.com/terms-and-conditions/ and to forwarding my contact details to sponsors and all other delegates, the privacy policy to be found under https://www.mathfinance.com/datenschutzbestimmungen/

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