

Course type: Workshop

Derivatives Pricing and Risk Management in Theory and Practice

Organizational details

Instructor:	<i>Prof. Dr. Uwe Wystup</i>
Date:	11 February 2019, 9 a.m. – 5 p.m. & 12 February 2019, 8.30 am – 4.30 p.m.
Location:	Campus Recht & Wirtschaft, Licher Straße, House 66, Room 601
ECTS:	3
Max. number of participants:	15

Objectives

FX structured products are becoming increasingly commonplace in today's capital markets. The objective of this course 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. Most of the concepts translate to other asset classes such as equities, precious metal, commodities, and interest rates.

Content & Methods

This practical 2-day course covers the pricing, hedging and application of foreign exchange (FX) options and structured products for use in trading, risk management, financial engineering.

We will cover the basic theory of risk-neutral valuation in discrete time, transfer to the Black-Scholes model and illustrate how the theory of derivatives valuation relates to trading and risk management practice. Participants are expected to do some life-programming exercises in the course using Excel/VBA on their laptops.

Target group & Course Language

Target group Doctoral candidates and postdoctoral researchers with an interest in quantitative methods and capital markets

Course language: English (German, if only German participants)

(Please note: As this is not an English language course, proficiency in English at the C1 level of competency is required.)

To gain the ECTS credit points participants have to:

- Read 5 papers to prepare for the course, which will be made available by the instructor
- Actively participate in the in-course exercises (theoretical and programming)
- Complete a case study after the course
- Read 3 more papers as a follow-up

Registration

By 14 January 2019 via e-mail at info@ggs.uni-giessen.de.