Israel Association of Valuators and Financial Actuaries

Module FV403: Advanced Derivatives

This is the third module in the Principles of Derivatives Valuation (PODV) module series. This module provides knowledge and understanding the use of unique models and advanced numerical techniques for the valuation of derivatives.

Following are the main topics of study:

- ☐ Credit Derivatives
- ☐ Exotic Options
- ☐ More on Models and Numerical Procedures
- ☐ Martingales and Measures
- ☐ Interest Rate Derivatives: The Standard Market Models, Models of the Short Rate, HJM and LMM
- ☐ Convexity, Timing and Quanto Adjustments
- ☐ Swaps Revisited
- ☐ Energy and Commodity Derivatives
- ☐ Real Options
- ☐ Derivatives Mishaps and What We Can Learn from Them
- ☐ Distributions
- ☐ Some Useful Formulas
- ☐ Excel Application of the Module's Topics

Module Requirements:

- ☐ Successful completion of module FV402
- ☐ Attend for at least 38 hours out of the total 48 hours training program
- ☐ Submit all required homework on time
- ☐ Pass a comprehensive, two-hour, multiple-choice, proctored examination

At the end of the module participants will be awarded a Certificate of Achievement or a Certificate of Participation by the Israel Association of Valuators and Financial Actuaries (IAVFA)

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Module FV403: Advanced Derivatives

Location, Date and Fee:

- ☐ 8 weekly sessions + exam session
- ☐ Time: 16:30-21:30
- ☐ Location: Levinsky College Campus, 15 Shoshana Persitz St, Tel Aviv
- ☐ Module Fee: 5,000 NIS (VAT & registration fee included)
- ☐ Dates: 01/06/16, 08/06/16, 15/06/16, 22/06/16, 29/06/16, 06/07/16, 14/07/16, 28/07/16, 04/08/16

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