
CAPITAL MARKETS AND FINANCIAL INSTRUMENTS CERTIFICATE

ORGANISATION SHEET

Objectives

The primary objective of this practice-driven seminar is to enable participants to thoroughly deepen their knowledge of the international capital markets, the financial instruments such as bonds, equities, repos, swaps, options and structured products: both technical and operational aspects as well as risk considerations are covered by the programme.

Prerequisite

A basic knowledge of financial mathematics is an absolute prerequisite for the participation to this seminar. Participants are invited to consolidate their knowledge in this field by preparing through the relevant **pre-reading documentation**, which they will receive at least one month prior to the beginning of the seminar.

Target group

This seminar is particularly recommended for both **front-office and back-office personnel** of banks and financial institutions with **less than 4 years of practical experience** in the industry as well as for job starters having a good basic knowledge of the markets and products. The programme is also open to anyone within the industry who would benefit from an intensive and in-depth analysis of international securities provided by specialists in the field.

Methodology

Interactive seminar

Assessment

Participants will have their newly acquired knowledge validated through a multiple-choice questionnaire.

Experts

IFBL / ICMA certified experts in capital markets. All different training units are held by selected experts in the respective fields of activity. All of them are active professionals and have a long-term experience in banking and finance.



Language

English

Participants

15 participants will be selected among applicants from the following invited countries: Armenia, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Cape Verde, China, Croatia, Cyprus, the Czech Republic, Egypt, El Salvador, Estonia, Georgia, Hungary, Kazakhstan, Kosovo, Latvia, Lebanon, Lithuania, Macedonia, Malta, Moldova, Mongolia, Montenegro, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Tunisia, Turkey, Ukraine, Vietnam and the West African Economic & Monetary Union.

There will also be participants from Luxembourg-based banks.

Dates

5,5 days of seminar: 16 -24 June 2014

- Seminar sessions: June 16 to 20, 2014
- Exam: TUESDAY morning, 24 June, 2014

The program allows you to study for 3 days to prepare the exam: Saturday 21, Sunday 22 and Monday 23 June. Please note that June 23 is a national holiday in Luxembourg.

Arrival date: Sunday 15 June 2014

Departure date: Tuesday, 24 June in the afternoon (after the closing lunch) or Wednesday, 25 June 2014.



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CONTENT

Monday 16 June 2014

Applied Mathematics on Fixed Income Products, Bonds and Futures on Bonds (4 hours)

Pricing of bonds
Term structure of interest rates
Bond Futures and hedging techniques

Practical Applications and Bond Portfolio Management (4 hours)

Return expectations
Management Strategies
Diversification
Currency as asset class
Performance contributors and measurement

Tuesday 17 June 2014

Financial Analysis, Equities (8 hours)

Equities: definitions, different markets, attributes
Stock market quotation and orders
Biggest stock markets, biggest indices, Euronext, Luxembourg
How to create a stock index
Stocks in portfolio management
Stock market aggregates, Sectorial distribution
Stock market and Equity valuation
Technical analysis
Relevant websites

Wednesday 18 June 2014

Repos and Swaps (8 hours)

Repos

- Definition
- Flow Chart
- Terms of the agreement
- Collateral
- Margins
- Manufactured dividend
- Market participants
- Repo types
- GC & Special

Swaps

- Definition & characteristics, types
- Market share
- Currency swaps



- CDS example
- IRS characteristics
- IRS cash flows
- IRS quotation
- Curves
- Swap pricing mechanics
- Constructing the short end
- Constructing the long end
- Zero curve examples
- Curve adjustments
- Interpolating the curve
- Intermaturity spreads
- Bond hedging
- Forward starting swaps
- Pricer example
- Currency interest rate swaps
- Beyond plain vanilla swaps

Thursday 19 June 2014

Options & Structured Products (8 hours)

Options

Definitions & terminology

Pricing variables

Pay-off diagrams

Option strategies

Case Study

Structured Products

Introduction, options, yield curves

Capital guaranteed structures

Reverse convertibles

Other type of products

Friday 20 June 2014

Risk Management (4 hours)

The current market turmoil: origin of the crisis and features

Choosing a risk management strategy

The risk management framework and lessons learned during the crisis

Organisational and operational aspects for the risk management unit

Market risk, credit risk, operational risk and liquidity risk from the Bank's perspective

Risk systems and lessons learned during the crisis

Securities Clearing, Settlement and Custody (4 hours)

Securities

Clearing, settlement & custody

Future issues

TUESDAY 24 June 2014 AM

Examination (MC questionnaire)

Closing Lunch