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## CAPITAL MARKETS AND FINANCIAL INSTRUMENTS: CAMFIN CERTIFICATE

### ORGANISATION SHEET

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#### 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.

#### Methodology

In this programme is included an innovative blended learning approach that combines the efficiency of E-Learning with the effectiveness of instructor-led training (ILT):

Part 1: An **E-learning course** "International Financial Market" (approximative duration: 10 hours) with a final written exam.

Participants are required to achieve this E-learning preparation including the test before the class-training

Part 2: An **instructor-led training** (ILT) in Luxembourg. The ILT part of the programme is taught by industry experts, who effectively combine theory with practical examples, exercises and case studies.

The training is ending with a final written exam.

The theoretical aspects of the programme are based on the latest market standards, while examples, case studies and exercises are used to present and apply the material to realistic situations in capital markets.

#### Target group

This seminar is targets 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.

#### Examination

Part 1: the E-learning and test are mandatory

Part 2 (in Luxembourg): the participants will have their newly acquired knowledge validated through a written exam.

#### Experts

High-level training experts, members of the House of Training Quality Circle in Capital Markets. All different training units are

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held by selected, active professionals who have a long-term experience in banking and finance.

**Language**

A good command of English is required.

**Participants**

**Participants from Luxembourg and Great Region (bordering provinces of Germany, Belgium and France) plus 15 participants** selected among applicants from the following invited countries: Albania, 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, Myanmar, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Tunisia, Turkey, Ukraine, Vietnam and the West African Economic & Monetary Union.

**Dates**

Part 1: The E-Learning course will be available shortly after the selection of the participants minimum one month before the beginning of the ILT part (part 2).

Part 2 in Luxembourg:

5,5 days of seminar: 03 – 10 October 2016

- Seminar sessions: 03 – 07 October 2016
- Exam: Monday morning, 10 October 2016

Arrival date: Sunday 02 October 2016

Departure date: Monday, 10 October in the afternoon (after the closing lunch) or Tuesday, 11 October 2016.

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## CAPITAL MARKETS AND FINANCIAL INSTRUMENTS CERTIFICATE

### CONTENT

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#### Monday 03 October 2016

##### **Applied Mathematics on Fixed Income Products, Bonds and Futures on Bonds**

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

##### **Practical Applications and Bond Portfolio Management**

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

#### Tuesday 04 October 2016

##### Financial Analysis, Equities

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 05 October 2016

##### **Repos and Swaps**

##### Repos

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

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## 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
- Inter-maturity spreads
- Bond hedging
- Forward starting swaps
- Price example
- Currency interest rate swaps
- Beyond plain vanilla swaps

## Thursday 06 October 2016

### **Options & Structured Products**

#### 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 07 October 2016

### Risk Management

- 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

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Securities Clearing, Settlement and Custody (4 hours)  
Securities  
Clearing, settlement & custody  
Future issues

**Monday 10 October 2016 AM**

Examination (multiple choice questions)

Closing Lunch