
CAPITAL MARKETS AND FINANCIAL INSTRUMENTS: CAMFIN 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.

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 Markets" (maximum duration: 12 hours) with a final non-eliminatory test.

Participants are required to take this course and pass the test with a minimum recommended score of 60% before the beginning of the second part.

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 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: E-learning non-eliminatory test: prerequisite for the participation in the Luxembourg course.

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

Programme organised in collaboration with and validated by

Experts

High-level training experts, members of the House of Training Quality Circle in Capital Markets. All different training units are 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, the Czech Republic, Egypt, El Salvador, Estonia, Georgia, Hungary, Kazakhstan, Kosovo, Latvia, Lebanon, Lithuania, Macedonia, 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: 11 – 15 June 2018 or 01 – 05 October 2018

- Seminar sessions: 11 – 15 June 2017/01 – 05 October 2018
- Exam: Monday morning, 18 June 2018/08 October 2018

Arrival date: Sunday 10 June/30 September 2018

Departure date: Monday, 18 June/08 October in the afternoon (after the closing lunch) or Tuesday, 19 June/09 October 2018.

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CONTENT

<p style="text-align: center;"><u>PART 1:</u> E-LEARNING <i>International Financial Markets</i></p>

The objective of this part is to provide the participants with a good understanding of financial markets, the financial instruments traded in them, the key players in financial markets and the activities that they perform.

Participants will have access to the E-learning course on a 24/7 basis through the Internet for a period of 6 months from the selection date onward. They will be able to log-on and log-off the course as many times as they would like.

The instructor-led part will start where the E-learning finishes. Completing the E-learning course with a score of at least 60%, therefore, is **a prerequisite for the ILT part** of the programme.

The specific content of the E-learning course is the following:

- Financial Markets
- Financial Instruments: Securities
- Financial Instruments: Derivatives and Investment Funds
- Market Activities
- Market Players
- Future Trends

The estimated duration of the E-learning course is approximately 10 hours, which are typically divided into sessions of 30-40 minutes each. The last chapter of the E-learning course is a test, which participants are expected to pass to confirm the knowledge that they acquired before beginning the ILT course.

<p style="text-align: center;"><u>PART 2:</u> <i>INSTRUCTOR-LED PART in Luxembourg from June 11 to 18 or from October 01 to 08, 2018</i></p>

DAY 1

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

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Management Strategies
Diversification
Currency as asset class
Performance contributors and measurement

DAY 2

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

DAY 3

Repos and Swaps

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
Inter-maturity spreads
Bond hedging

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Forward starting swaps
Price example
Currency interest rate swaps
Beyond plain vanilla swaps

DAY 4

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

DAY 5

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

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

DAY 6

Examination (multiple choice questions)