

Course : Fundamentals of capital markets and derivatives

Issues, mechanisms and keys to understanding
Practical course - 2d - 14h00 - Ref. BMC
Price : 1540 CHF E.T.

★★★★☆ 4,6 / 5

This course introduces you to the players, organization and challenges of market finance activities, explains how derivatives, foreign exchange, interest rates, bonds, equities, etc. work, and gives you an understanding of the standards used to measure capital market risks.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding the main players in the financial sector
- ✓ Understanding how derivatives work
- ✓ Understanding how interest rate and bond products work
- ✓ Identify capital market risk measurement standards

Intended audience

Junior sales and traders, middle and back office staff. Accountants, treasurers and financiers. Business consultants and project managers.

Prerequisites

No special knowledge required.

Practical details

Hands-on work

Theoretical input and practical exercises, simulations and calculations.

Course schedule

PARTICIPANTS

Junior sales and traders, middle and back office staff. Accountants, treasurers and financiers. Business consultants and project managers.

PREREQUISITES

No special knowledge required.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

1 Introduction to capital markets

- The main players in the financial sector.
- Capital markets in the financial sector.
- Front-office, middle-office and back-office activity.

Exercise

Complete an organization chart of the front-to-back organization of a trading department.

2 Financial vocabulary and asset classes

- Rates, bonds and foreign exchange.
- Equities and indices, commodities and credit derivatives.
- Organized market and over-the-counter trading.
- Derivatives, underlyings and securities.
- Vanilla, exotic and hybrid products.

Exercise

Translation into everyday language of situations described in trading rooms.

3 Types of bank derivatives

- Swap. Forward & future. Repo.
- Vanilla options (call and put) and volatility.
- Barrier and exotic options.

Hands-on work

Identify financial products from their description. Evaluate the residual position of a derivatives portfolio.

4 Fixed-income products and bonds

- Interest rate and bond markets.
- Interest rate swap, FRA (forward rate agreement), interest rate future.
- Cap-floor and swaption. The yield curve.
- Bonds, coupons, yield, duration.
- Bond futures.

Hands-on work

Calculate FRA payoff, cap-floor and swaption. Calculation of bond yield and duration.

5 Foreign exchange, equities and indices

- The foreign exchange market and the stock and index market.
- Spot, forward, NDF (Non Deliverable Forward), currency swap.
- Foreign exchange option, quanto option.
- Buy and sell stocks, dividends, futures and forwards.
- Equity and index options (quanto and composite), warrants.

Hands-on work

Calculate payoffs on forwards, NDFs and options. Measure the impact of a dividend cut on the share price.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

6 P&L, market value and market risk

- Market value (calculation principle).
- P&L (Product & Loss): concept and components.
- Market, credit and operational risk.
- Sensitivities (delta, gamma, vega, theta, rho).
- Value at Risk. Stress tests.

Hands-on work

Identify the parameters determining the P&L of a portfolio. Calculate P&L. Calculate market value of simple products. Delta, gamma and vega calculations.

Dates and locations

REMOTE CLASS

2026 : 11 June, 14 Sep.