



List of executive training topics

I. Modalities

- Build on demand (“bespoke”), from several hours to several days
- With a “basic” or “advanced” content, or a mixture of both
- In English or in French
- These programs are illustrated by many examples from real market operations, and with exercises (some of them needing a pocket calculator)

II. Topics

1. Financial markets products/instruments, spot, and derivatives

Any kind of quoted assets, including Commodities.

2. Credit risk & credit derivatives

- Credit risk, contractual (documentation) features, credit default swaps, iTraxx & CDX, credit linked notes, total return swaps
- Securitization vs synthetic securitization
- Credit derivatives pricing, risk management, payments & cash flows involved in credit derivatives

3. Structured products

Typology, detailed presentation of structured products on currencies, interest rates, stocks & stock indexes.



4. Quantitative finance

- The yield curve
 - o Spot rates, forward rates, futures rates, 0-coupon rates, yield curve building & interpolations, riding the yield curve, use in derivative products calculation

- Mathematics of the financial markets
 - o Actuarial calculus, discrete vs continuous rates, returns, performance measurement, CAPM, APT, variance & covariance, introduction to stochastic calculus and processes
 - o Theoretical value of a stock, of a bond (incl. duration management)
 - o Valuation (pricing) of derivatives
 - o Modelling or forecasting financial markets: Wiener processes, ARMA, ARCH, GARCH, deterministic chaos, genetic algorithms, neural nets; strengths and weaknesses of pricing models for derivatives; behavioural finance. With simultaneous translation algebra → English.

5. Asset management

- CAPM (MEDAF), portfolio theory
- Traditional portfolio management (“long only” – stocks & bonds): passive, tilted, sock picking
- Alternative asset management
- The four types of financial risk: market, liquidity, counterparty/credit and operational
- UCITS & AIFMD regulation, on financial risk management
- Absolute performance measures (Sharpe, Sortino, MDD, etc); relative performance measures (TE, IR)
- VaR calculation & use

6. Unlisted Assets

- Private Equity: concepts, portfolio management, valuation, risk
 - Other unlisted assets and portfolio management: Real Estate, Infrastructure projects (equity, debt), etc.
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