Portfolio Optimization

- Risk premia, factormodelling, private vs public



09.00 Welcome and introduction

09.15 1. Asset Allocation

- Investment Policy
- Strategic and Tactical Allocation
- Asset Selection
- Performance Measurement

10.00 2. The Public Asset Classes - Forecasting Risk, Return and Diversification Benefit

- Empirical Findings
- Forecasting Returns
- Estimating Volatility
- Volatility vs Tracking Error
- Sharpe Ratio vs. Information Ratio
- Problems with SR and IR
- Sortino Ratio
- Workshop

12.00-13.00 Lunch

13.00 3. Private Markets' Investments

- Types of Private Markets and their Characteristics (Private Equity, Real Estate, Infrastructure, Private Debt, Hedge Funds)
- Why Private Markets?
 - Illiquidity Risk Premia
 - o Diversification Benefit
 - o Increased Returns
 - o Lower Risk?
- Assessing the Returns (Multiples, IRR, MIRR)
- Problems with Return Measures
- Smoothing of Returns and its Impact
- Adjusting for Smoothing
- Alternative Risk Premia

16.00 End of day 1

Day 2

09.00 Recap

09.30 4. Benchmark

- Types of Benchmarks
- Benchmark Construction
- Choice of Benchmark

10.30 5. Optimizing Portfolios

- The Classical Markowitz Approach
- Problems with Markowitz
- Alternative Approaches
- Value at Risk and Expected Shortfall
 - Delta Normal, Historical and Monte Carlo Simulation
 - o Marginal Contribution to Risk, Component Risk, Incremental Risk
- Implied Returns
- Long Term Optimization
- Derivatives in Portfolios
- Factor Modelling
 - o Equity, Inflation, Interest and ARP
 - o Sub Factors (Value, Size, Momentum,)
 - o Empirical Findings
- Workshop

12.00-13.00 Lunch

10.30 5. Optimizing Portfolios, continued

14.00 6. Tactical Asset Allocation

- Short term forecasting
- Absolute or Relative Optimization

15.15 7. Currency Overlay Management

- Types of Currency Overlay Programs
- Setting up a Currency Overlay Program

16.00 End of course and evaluation

Price

The Price for the course is DKK 13,500 ex VAT. The price includes course material, lunch and refreshments.

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