



Digital Learning for Financial Markets

Release 1: 2020



Table of Contents

3 About Know-How

5 Fundamentals of Banking
& Finance

7 Capital Markets

12 Investment Banking

14 Corporate Banking

16 Banking Risk Management

18 Investment Management

21 Private Wealth Management

22 Consumer (Retail) Banking

23 Securities Services

24 FinTech

26 Regulation & Compliance

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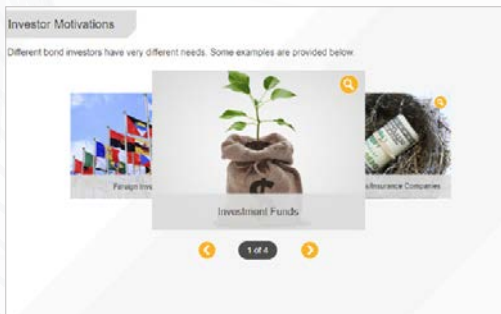
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01

Fundamentals of Banking & Finance



Introduction to Financial Markets

- Financial Markets – An Introduction
- Money Markets – An Introduction
- Foreign Exchange (FX) Market – An Introduction
- Bond Markets – An Introduction
- Bond Markets – Issuing & Trading
- Equity Markets – An Introduction
- Equity Markets – Issuing

Business of Banking & Finance

- Banking – Primer
- Business of Investment Banking
- Business of Corporate Banking
- Business of Consumer (Retail) Banking
- Digital Banking
- Shadow Banking
- Business of Asset Management
- Business of Wealth Management
- Business of Pensions & Retirement
- Business of Insurance

Interest Rate Mathematics

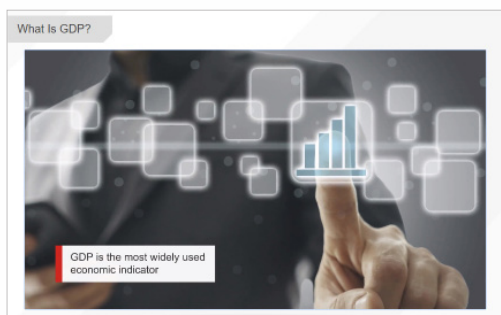
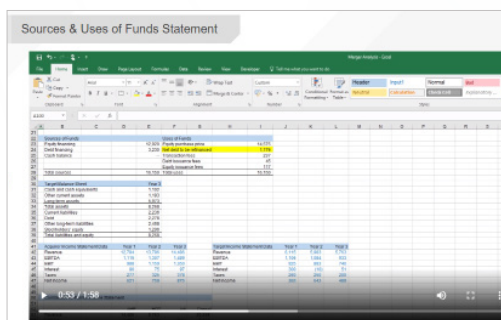
- Interest Calculations
- Day Count Conventions
- Interest Calculations – Scenario
- Present Value & Future Value
- Annuities & Perpetuities
- Time Value of Money – Scenario
- NPV & IRR
- NPV & IRR – Scenario

Building Blocks

- Indices, Exponents, & Logs
- Logs – Excel Interactive
- Mean, Median, & Mode – Excel Interactive
- Probability
- Distributions
- Normal Distribution – Excel Interactive
- Skewness & Kurtosis – Excel Interactive
- Correlation Analysis
- Correlation & Covariance – Excel Interactive
- Regression Analysis
- Regression Analysis – Excel Interactive
- Volatility Estimation
- Volatility – Excel Interactive
- Calculus – Differentiation
- Calculus – Integration

01

Fundamentals of Banking & Finance



Excel Techniques

- Menus & Shortcut Basics – Excel Interactive
- Formulas & Calculation Functions (Part 1) – Excel Interactive
- Formulas & Calculation Functions (Part 2) – Excel Interactive
- Naming & Referencing Cells – Excel Interactive
- Editing Cell Names – Excel Interactive
- Formatting Basics – Excel Interactive
- Pivot Tables – Excel Interactive
- Lookup Functions – Excel Interactive
- Conditional Statements – Excel Interactive
- Conditional Formatting – Excel Interactive
- Data Validation – Excel Interactive
- Data Tables – Excel Interactive
- Combo Box Controls for Dashboards – Excel Interactive
- Goal Seek & Scenario Manager – Excel Interactive

Life of a Trade

- Life of a Trade – An Introduction
- Life of a Trade – Pre-Trade
- Life of a Trade – Execution
- Life of a Trade – Clearing & Settlement
- Life of a Trade – Ongoing Position & Risk Management
- Life of a Trade – Scenario

Economic Analysis

- Economic Indicators – An Introduction
- GDP – An Introduction
- GDP Indicators
- Business Cycles – An Introduction
- Business Cycle Indicators
- Inflation – An Introduction
- Inflation Indicators
- Employment & Unemployment – An Introduction
- Labor Market Indicators
- Trade Indicators
- Monetary Policy Analysis
- Fiscal Policy Analysis

Global Financial Crisis

- Global Financial Crisis – Causes, Impact, & Legacy

“Some great tips on using Excel. Loved the videos and practical exercises.”

– Analyst

02

Capital Markets



Simple Yield

Simple yield measurements (which are common in the Japanese Government Bond (JGB) market) adjust the current yield by amortizing any capital gains/losses on a straight-line basis.

Example

A 5-year bond paying an annual coupon of 5% is trading at a price of 99.75%.

What is the simple yield?

$$\text{Simple Yield} = \frac{\text{Annual Interest}}{\text{Bond Price}} + \frac{1 - \text{Bond Price}}{n \times \text{Bond Price}}$$

$$\text{Simple Yield} = \frac{5\%}{99.75\%} + \frac{1 - 99.75\%}{5 \times 99.75\%} = 5.063\%$$

Bond-Swap Equivalence

Issuing an FRN and simultaneously buying a fixed rate bond with the same maturity is economically equivalent to paying floating and receiving fixed on an interest rate swap (IRS). If both the FRN and the fixed rate bond are priced at par and have an exact number of years to run, then the net settlement cost will be zero as will the net principal proceeds at maturity.



Net cash flows could be further reduced by making the payment dates of the FRN and the fixed coupon bond coincide. However, with real bonds there would be real cash flows, even where – taken with other concurrent transactions – the cash flows net to reduced amounts or even to zero.

Money Markets

- Interbank Market
- Interest Rates & Benchmarks
- BBSW & Other Australian Benchmarks
- Money Market Securities – An Introduction
- Money Market Securities – Pricing
- Repurchase Agreements (Repos)
- Money Market Funds
- Bank Funding & Position Management
- Money Market Trading – Scenario

Fixed Income Analysis

- Fixed Income Analysis – An Introduction
- Bond Prices & Yields – Excel Interactive
- Yield Curves – An Introduction
- Yield Curves – Construction
- Yield Curves – Excel Interactive
- Zero-Coupon Securities
- Duration Analysis
- Convexity Analysis
- Fixed Income Analysis – Credit Risk
- High Yield Debt
- Floating Rate Notes (FRNs)
- FRN Structures
- Option-Linked Securities
- Inflation-Linked Securities
- Fixed Income Derivatives

Fixed Income Strategies

- Fixed Income Strategies – An Introduction
- Relative Value Trading
- Fixed Income Strategies – Running a Book

Bond Markets

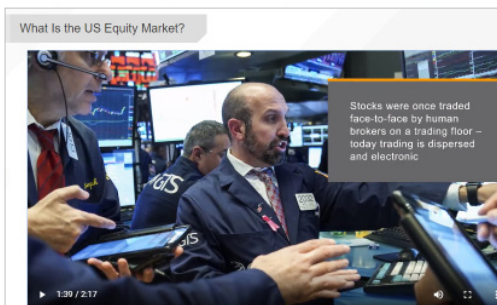
- US Bond Market
- Municipal Bonds (US) – An Introduction
- Municipal Bonds (US) – Investing
- UK Bond Market
- European Bond Market
- Japanese Bond Market
- Hong Kong Bond Market
- Singapore Bond Market
- Chinese Bond Market
- Australian Bond Market
- Canadian Bond Market
- Eurobonds & International Bonds

Equity Valuation & Analysis

- Equity Valuation – An Introduction
- Industry & Company Analysis
- Equity Returns Analysis
- Equity Valuation – DCF Models
- Equity Valuation – Other Methods

02

Capital Markets



Equity Trading

- Equity Trading – An Introduction
- Equity Indices
- Equity Trading – Technical vs. Fundamental Trading
- Equity Trading Strategies
- Equity Hedging
- Dark Trading
- Algorithmic Trading
- High Frequency Trading (HFT)

Equity Markets

- US Equity Market
- UK Equity Market
- European Equity Market
- Japanese Equity Market
- Hong Kong Equity Market
- Singapore Equity Market
- Chinese Equity Market
- Indian Equity Market
- Canadian Equity Market

Hybrid Securities

- Convertibles – An Introduction
- Convertibles – Valuation
- Contingent Convertibles (CoCos)

Foreign Exchange

- The Foreign Exchange Business
- FX Spot Market – An Introduction
- FX Spot Market – Trading
- FX Forward Market – An Introduction
- FX Forward Market – Calculating Swap/Forward Points & Cross Rates
- FX Forward Market – Uses of Outrights & FX Swaps
- FX Forward Market – Short-Dated Outrights & FX Swaps
- FX Forward Market – Cross-Currency Borrowing & Investing
- FX Forward Market – FX Swap Trading
- FX Forward Market – Non-Deliverable Forwards (NDFs)
- Foreign Exchange – Factors Influencing Exchange Rates
- FX Swaps & Outrights – Scenario

02

Capital Markets



Black Scholes & Volatility

We can observe how a change in volatility might be expected to impact the value of an option. From the Black-Scholes formula, we know that d_1 and d_2 are:

$$d_1 = \frac{\ln\left(\frac{S}{K}\right) + \left(r + \frac{\sigma^2}{2}\right)T}{\sigma\sqrt{T}}$$

$$d_2 = \frac{\ln\left(\frac{S}{K}\right) + \left(r - \frac{\sigma^2}{2}\right)T}{\sigma\sqrt{T}}$$

Based upon its similarity to d_1 , the d_2 equation can be rearranged as:

$$d_2 = d_1 - \sigma\sqrt{T}$$

Therefore, any difference between d_1 and d_2 is a function of a product of volatility and (the square root of) time.

Remember that $N(d_1)$ and $N(d_2)$ are probabilities that a random variable – having a standardised normal distribution – will have a value less than d_1 and d_2 .

If volatility (σ) or time to expiration (\sqrt{T}) is zero, then we go from:

$$d_2 = d_1 - \sigma\sqrt{T}$$

to:

$$d_2 = d_1 - 0$$

Consequently, $N(d_1)$ will equal $N(d_2)$. The value of the option will be simply be its intrinsic value: $\text{Max}(0, S - K)$. Therefore, we say time value occurs when $\sigma\sqrt{T}$ is positive.

Formula Pricing

Final pricing is determined using simple formulas:

$$\text{Price}_f = \text{Price}_b \pm \text{Differential}$$

Where:

Price_f = Price of particular oil

Price_b = Benchmark price

Differential = Discount/Premium

The differential is set at a level such that the final price of the oil incorporates changes due to quality (gravity or sulfur content). The differential will also vary by destination.



Commodities

- Commodities – An Introduction
- Commodities – Trading
- Commodities – Oil
- Commodities – Natural Gas
- Commodities – Coal
- Commodities – Electricity
- Commodities – Gold & Other Precious Metals
- Commodities – Non-Ferrous Metals
- Commodities – Ferrous Metals
- Commodities – Grains & Oilseeds
- Commodities – Livestock
- Commodities – Softs
- Commodities – Emissions

Introduction to Derivatives

- Derivatives – An Introduction
- Derivatives – Markets
- Forwards & Futures – An Introduction
- Swaps – An Introduction
- Options – An Introduction
- Derivatives Applications – Scenario

Forwards & Futures

- Forwards & Futures – Markets
- Forwards & Futures – Pricing
- Forwards & Futures – Hedging
- Forwards & Futures – Trading
- Money Market Futures
- Bond Futures
- Swap Futures

Options

- Option Valuation – An Introduction
- Option Valuation – Key Concepts
- Option Valuation – Sensitivities & Outcomes
- Option Valuation – Future Asset Prices & Volatility
- Option Valuation – Black-Scholes-Merton
- Option Valuation – American Options
- Option Valuation – Binomial Techniques
- Option Valuation – Monte Carlo Methods
- Option Greeks – Measuring Delta & Gamma
- Option Greeks – Using Delta & Gamma
- Option Greeks – Vega, Theta, & Rho
- Option Greeks – Second-Order Sensitivities
- Option Trading – Combination Strategies
- Option Trading – Spread Strategies
- Option Trading – Managing an Options Portfolio

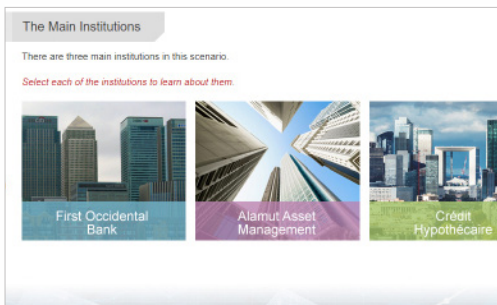
02

Capital Markets



Monte Carlo: Example (cont'd)

Scenario	Number of Scenarios	Change in Stock Price	Change in Bond Price	Change in Option Price	Change in Portfolio Value
Scenario 1	10,000	0.0000	0.0000	0.0000	0.0000
Scenario 2	10,000	0.0100	0.0000	0.0000	0.0100
Scenario 3	10,000	0.0200	0.0000	0.0000	0.0200
Scenario 4	10,000	0.0300	0.0000	0.0000	0.0300
Scenario 5	10,000	0.0400	0.0000	0.0000	0.0400
Scenario 6	10,000	0.0500	0.0000	0.0000	0.0500
Scenario 7	10,000	0.0600	0.0000	0.0000	0.0600
Scenario 8	10,000	0.0700	0.0000	0.0000	0.0700
Scenario 9	10,000	0.0800	0.0000	0.0000	0.0800
Scenario 10	10,000	0.0900	0.0000	0.0000	0.0900
Scenario 11	10,000	0.1000	0.0000	0.0000	0.1000
Scenario 12	10,000	0.1100	0.0000	0.0000	0.1100
Scenario 13	10,000	0.1200	0.0000	0.0000	0.1200
Scenario 14	10,000	0.1300	0.0000	0.0000	0.1300
Scenario 15	10,000	0.1400	0.0000	0.0000	0.1400
Scenario 16	10,000	0.1500	0.0000	0.0000	0.1500
Scenario 17	10,000	0.1600	0.0000	0.0000	0.1600
Scenario 18	10,000	0.1700	0.0000	0.0000	0.1700
Scenario 19	10,000	0.1800	0.0000	0.0000	0.1800
Scenario 20	10,000	0.1900	0.0000	0.0000	0.1900
Scenario 21	10,000	0.2000	0.0000	0.0000	0.2000
Scenario 22	10,000	0.2100	0.0000	0.0000	0.2100
Scenario 23	10,000	0.2200	0.0000	0.0000	0.2200
Scenario 24	10,000	0.2300	0.0000	0.0000	0.2300
Scenario 25	10,000	0.2400	0.0000	0.0000	0.2400
Scenario 26	10,000	0.2500	0.0000	0.0000	0.2500
Scenario 27	10,000	0.2600	0.0000	0.0000	0.2600
Scenario 28	10,000	0.2700	0.0000	0.0000	0.2700
Scenario 29	10,000	0.2800	0.0000	0.0000	0.2800
Scenario 30	10,000	0.2900	0.0000	0.0000	0.2900
Scenario 31	10,000	0.3000	0.0000	0.0000	0.3000
Scenario 32	10,000	0.3100	0.0000	0.0000	0.3100
Scenario 33	10,000	0.3200	0.0000	0.0000	0.3200
Scenario 34	10,000	0.3300	0.0000	0.0000	0.3300
Scenario 35	10,000	0.3400	0.0000	0.0000	0.3400
Scenario 36	10,000	0.3500	0.0000	0.0000	0.3500
Scenario 37	10,000	0.3600	0.0000	0.0000	0.3600
Scenario 38	10,000	0.3700	0.0000	0.0000	0.3700
Scenario 39	10,000	0.3800	0.0000	0.0000	0.3800
Scenario 40	10,000	0.3900	0.0000	0.0000	0.3900
Scenario 41	10,000	0.4000	0.0000	0.0000	0.4000
Scenario 42	10,000	0.4100	0.0000	0.0000	0.4100
Scenario 43	10,000	0.4200	0.0000	0.0000	0.4200
Scenario 44	10,000	0.4300	0.0000	0.0000	0.4300
Scenario 45	10,000	0.4400	0.0000	0.0000	0.4400
Scenario 46	10,000	0.4500	0.0000	0.0000	0.4500
Scenario 47	10,000	0.4600	0.0000	0.0000	0.4600
Scenario 48	10,000	0.4700	0.0000	0.0000	0.4700
Scenario 49	10,000	0.4800	0.0000	0.0000	0.4800
Scenario 50	10,000	0.4900	0.0000	0.0000	0.4900
Scenario 51	10,000	0.5000	0.0000	0.0000	0.5000
Scenario 52	10,000	0.5100	0.0000	0.0000	0.5100
Scenario 53	10,000	0.5200	0.0000	0.0000	0.5200
Scenario 54	10,000	0.5300	0.0000	0.0000	0.5300
Scenario 55	10,000	0.5400	0.0000	0.0000	0.5400
Scenario 56	10,000	0.5500	0.0000	0.0000	0.5500
Scenario 57	10,000	0.5600	0.0000	0.0000	0.5600
Scenario 58	10,000	0.5700	0.0000	0.0000	0.5700
Scenario 59	10,000	0.5800	0.0000	0.0000	0.5800
Scenario 60	10,000	0.5900	0.0000	0.0000	0.5900
Scenario 61	10,000	0.6000	0.0000	0.0000	0.6000
Scenario 62	10,000	0.6100	0.0000	0.0000	0.6100
Scenario 63	10,000	0.6200	0.0000	0.0000	0.6200
Scenario 64	10,000	0.6300	0.0000	0.0000	0.6300
Scenario 65	10,000	0.6400	0.0000	0.0000	0.6400
Scenario 66	10,000	0.6500	0.0000	0.0000	0.6500
Scenario 67	10,000	0.6600	0.0000	0.0000	0.6600
Scenario 68	10,000	0.6700	0.0000	0.0000	0.6700
Scenario 69	10,000	0.6800	0.0000	0.0000	0.6800
Scenario 70	10,000	0.6900	0.0000	0.0000	0.6900
Scenario 71	10,000	0.7000	0.0000	0.0000	0.7000
Scenario 72	10,000	0.7100	0.0000	0.0000	0.7100
Scenario 73	10,000	0.7200	0.0000	0.0000	0.7200
Scenario 74	10,000	0.7300	0.0000	0.0000	0.7300
Scenario 75	10,000	0.7400	0.0000	0.0000	0.7400
Scenario 76	10,000	0.7500	0.0000	0.0000	0.7500
Scenario 77	10,000	0.7600	0.0000	0.0000	0.7600
Scenario 78	10,000	0.7700	0.0000	0.0000	0.7700
Scenario 79	10,000	0.7800	0.0000	0.0000	0.7800
Scenario 80	10,000	0.7900	0.0000	0.0000	0.7900
Scenario 81	10,000	0.8000	0.0000	0.0000	0.8000
Scenario 82	10,000	0.8100	0.0000	0.0000	0.8100
Scenario 83	10,000	0.8200	0.0000	0.0000	0.8200
Scenario 84	10,000	0.8300	0.0000	0.0000	0.8300
Scenario 85	10,000	0.8400	0.0000	0.0000	0.8400
Scenario 86	10,000	0.8500	0.0000	0.0000	0.8500
Scenario 87	10,000	0.8600	0.0000	0.0000	0.8600
Scenario 88	10,000	0.8700	0.0000	0.0000	0.8700
Scenario 89	10,000	0.8800	0.0000	0.0000	0.8800
Scenario 90	10,000	0.8900	0.0000	0.0000	0.8900
Scenario 91	10,000	0.9000	0.0000	0.0000	0.9000
Scenario 92	10,000	0.9100	0.0000	0.0000	0.9100
Scenario 93	10,000	0.9200	0.0000	0.0000	0.9200
Scenario 94	10,000	0.9300	0.0000	0.0000	0.9300
Scenario 95	10,000	0.9400	0.0000	0.0000	0.9400
Scenario 96	10,000	0.9500	0.0000	0.0000	0.9500
Scenario 97	10,000	0.9600	0.0000	0.0000	0.9600
Scenario 98	10,000	0.9700	0.0000	0.0000	0.9700
Scenario 99	10,000	0.9800	0.0000	0.0000	0.9800
Scenario 100	10,000	0.9900	0.0000	0.0000	0.9900
Scenario 101	10,000	1.0000	0.0000	0.0000	1.0000



Interest Rate & FX Options

- Caps & Floors – An Introduction
- Caps & Floors – Pricing
- Caps & Floors – Chooser & Double-Strike Structures
- Swaptions
- Bermudan Swaptions
- Interest Rate Volatility
- Options – Managing an Interest Rate Option Book
- FX Option Trading

Exotic Options

- Options – Exotic Options
- Options – Barrier Options
- Options – Average Rate Options
- Options – Basket & Spread Options – An Introduction
- Options – Basket Options – Evaluation & Evolution

Swaps

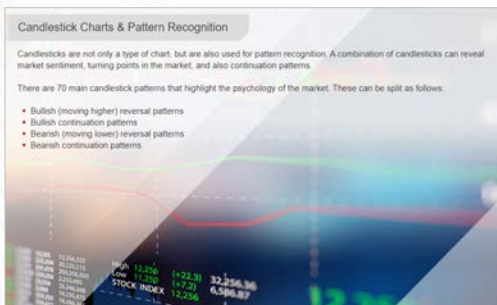
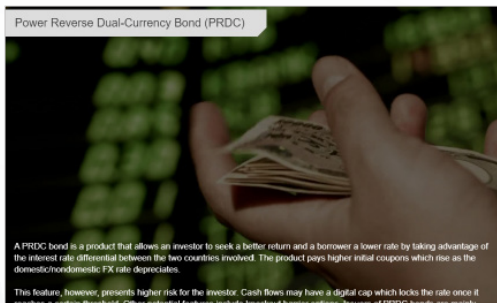
- Swaps – Applications
- Swaps Applications for Corporates – Scenario
- Swaps Applications for Institutional Investors – Scenario
- Swaps – Impact of the Financial Crisis
- Swaps – Clearing
- Swaps – Documentation
- Swaps – Key Valuation Concepts
- Swaps – Cash Flows & Structures
- Swaps – Indices & Curves
- Swaps – Pricing
- Swaps – Bootstrapping Zero Curves
- Swaps – Sensitivities & Risk Management
- Swaps – Basis Swaps
- Swaps – Currency Swaps
- Swaps – Overnight Index Swaps (OIS)
- Swaps – Asset Swaps
- Swaps – CSAs & Collateral
- Swaps – Exotic Structures
- Swaps – Book Management

Equity Derivatives

- Equity Derivatives - An Introduction
- Equity Options & Warrants
- Equity Index Futures & Options
- Equity Swaps

02

Capital Markets



Contracts for Difference (CFDs)

- Contracts for Difference (CFDs)

Credit Derivatives

- Credit Derivatives – An Introduction
- Credit Derivatives – Single-Name CDS
- Credit Derivatives – CDS Indices
- Credit Derivatives – CDS Valuation
- Credit Derivatives – CDS Documentation & Settlement
- Credit Derivatives – Variations
- CDS Relative Value Trading – Scenario

Securitization

- Securitization – An Introduction
- Securitization – MBS Types & Risks
- Securitization – US MBS
- Securitization – US Non-MBS
- Securitization – Prepayment Risk
- Securitization – Credit Risk & Ratings
- Securitization – Pricing & Analysis
- Securitization – CDOs

Structured Products

- Structured Products – An Introduction
- Structured Products – Components & Types
- Structured Products – Valuation & Analysis
- Structured Products – Risks & Sensitivities
- Structured Products – Examples & Cases

Emerging Markets

- Emerging Markets – An Introduction
- Emerging Markets – Advanced & Secondary Markets
- Emerging Markets – Frontier Markets

Securities Lending

- Securities Lending – An Introduction
- Securities Lending – Collateral & Risk Management

Loan Trading

- Loan Trading

Technical Analysis

- Technical Analysis – An Introduction
- Technical Analysis – Fibonacci Analysis & Elliot Wave Theory
- Technical Analysis – Trend-Following Strategies
- Technical Analysis – Mean-Reverting Strategies
- Technical Analysis – Other Strategies

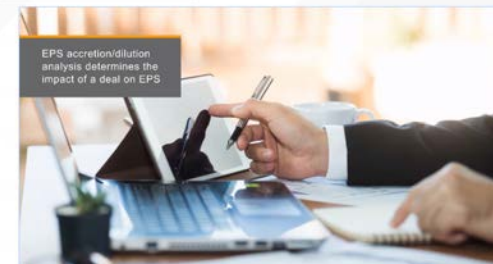
Islamic Banking & Finance

- Islamic Banking & Finance – An Introduction
- Islamic Banking & Finance – Financial Instruments
- Islamic Money & Capital Markets
- Sukuk Market
- Islamic Banking & Finance – Wealth Management

03 Investment Banking

EPS Accretion/Dilution Analysis

EPS accretion/dilution analysis determines the impact of a deal on EPS



Steps Involved in a Transaction Comparables Analysis

A transaction comps relies on an active M&A market in the target company's sector. Analysts look at similar deals that have been completed to see the offer price per share for those deals and compare them to the current market price of the share. Any additional amount is called the **premium**.

The process that an analyst goes through to determine a valuation using this method is as follows:



Financial Statement Analysis

- Accounting – An Introduction
- Accounting Mechanics – Scenario
- Balance Sheet – An Introduction
- Balance Sheet – Analysis
- Income Statement – An Introduction
- Income Statement – Analysis
- Statement of Cash Flows – An Introduction
- Statement of Cash Flows – Analysis
- Three-Statement Modeling

Corporate Finance

- Corporate Finance – An Introduction
- Corporate Finance – Capital Structure & Liquidity
- Corporate Finance – Cost of Capital
- Corporate Finance – Raising Capital
- Corporate Finance – Project Appraisal & Capital Budgeting
- Corporate Finance – Measuring Business Performance
- Corporate Finance – Payout Policy
- Mergers & Acquisitions (M&A) – An Introduction
- Mergers & Acquisitions (M&A) – Analysis
- Corporate Finance – Scenario

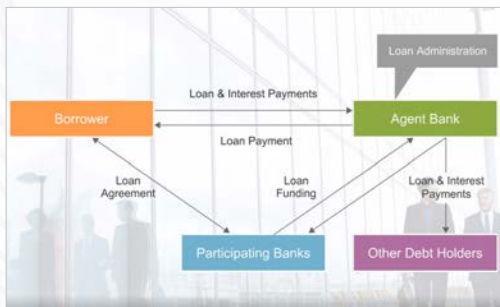
Corporate Valuation

- Corporate Valuation – An Introduction
- Corporate Valuation – Trading Comparables
- Corporate Valuation – Transaction Comparables
- Corporate Valuation – DCF Analysis
- Corporate Valuation – LBO Analysis
- LBO Model building – Excel Interactive
- Corporate Valuation – Merger Analysis
- Merger Model Building – Excel Interactive

Financial Management

- Budgeting
- Working Capital Management
- Cash Management
- Credit Management
- Financial Planning & Modeling
- Financial Management – Scenario

04 Corporate Banking



Understanding the Corporate Banking Business

- Corporate Banking – Marketplace
- Corporate Banking Products – An Introduction
- Corporate Banking Relationship Management – An Introduction
- Corporate Banking Relationship Management in Practice

Corporate Banking Products (Credit)

- Corporate Banking Products – Short-Term Finance
- Corporate Banking Products – Accounts Receivable Finance
- Corporate Banking Products – Term Finance
- Corporate Banking Products – Asset-Based Finance
- Corporate Banking Products – Trade Finance
- Corporate Banking Products – Project Finance
- Corporate Banking Products – Syndicated Lending

Corporate Banking Products (Noncredit)

- Corporate Banking Products – Cash Management
- Corporate Banking Products – Payments
- Corporate Banking Products – Risk Management
- Corporate Banking & Interest Rate Risk – Scenario
- Corporate Banking Products – Advisory & Other Services

Trade Finance

- Trade Finance – An Introduction
- Open Account Trading
- Documentary Collections
- Letters of Credit – An Introduction
- Letters of Credit in Practice
- Uniform Customs & UCP 600
- Export & Import Finance
- Export Credit Agencies (ECAs)
- Structured Trade & Commodity Finance
- Bonds & Guarantees
- Trade Finance Documentation & Incoterms

Transaction Banking

- Transaction Banking – An Introduction
- Transaction Banking – Payments Services
- Transaction Banking – Cash Management Services
- Transaction Banking – Regulatory Influences

05 Banking Risk Management



Question:
How should "risk" be defined?

Better Definition:
Risk is the uncertainty of future outcomes

Typical Definition:
Risk is the likelihood of a negative outcome due to a "bad" event occurring in the future

1:20 / 3:09



Banking Risk Management

- Risk – Primer
- Risk Management – An Introduction
- Risk Management – Risk Types & Measurement
- Risk Management – Risk Modeling
- Risk Management – Business Strategy & Risk Decision-Making
- Risk Management – Tools & Techniques
- Stress Testing – An Introduction
- Stress Testing in Practice
- Risk Management – Reporting

Introduction to Credit Risk

- Credit Risk – An Introduction
- Credit Risk – Types
- Credit Risk – Measurement & Capital Requirements
- Credit Risk – Lessons from the Financial Crisis

Credit Risk Management

- Credit Risk Management – An Introduction
- Credit Risk Management – Framework
- Credit Risk Management – Stakeholders
- Credit Risk Management – Strategic & Business Unit Management
- Credit Risk Management – Credit Culture
- Credit Risk Management – Risk/Reward
- Credit Risk Management – Data & Reporting

Credit Risk Appetite

- Credit Risk Appetite – An Introduction
- Credit Risk Appetite – Customer & Industry Risk
- Credit Risk Appetite – Product & Country Risk

Credit Risk Measurement

- Credit Risk Measurement – An Introduction
- Credit Risk Measurement – PD & Risk Rating
- Credit Risk Measurement – EAD & LGD
- Credit Risk Measurement – Capital Calculations
- Credit Risk Measurement – Models

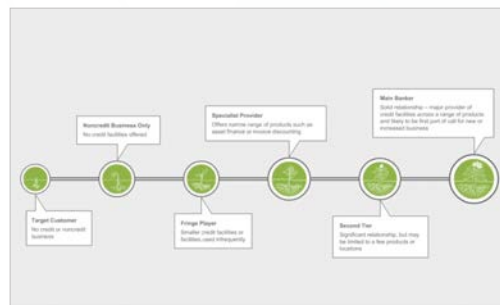
Credit Risk Customer Management

- Credit Risk Customer Management – An Introduction
- Credit Risk Customer Management – Credit Facilities
- Credit Risk Customer Management – Structuring Credit Facilities
- Credit Risk Customer Management – Covenants & Credit Decisions

Credit Analysis

- Credit Analysis – An Introduction
- Credit Analysis – Balance Sheet Analysis
- Credit Analysis – Income Statement Analysis
- Credit Analysis – Cash Flow Analysis
- Credit Analysis – Performance & Other Measures
- Credit Analysis – Forecasting
- Credit Analysis – Other Factors
- Credit Analysis – Scenario

05 Banking Risk Management



Credit Risk Mitigation

- Credit Risk Mitigation – An Introduction
- Credit Risk Mitigation – Collateralization
- Credit Risk Mitigation – Other Types of Mitigant
- Credit Risk Mitigation – Management & Realization

Problem Credit Management

- Problem Credit Management – An Introduction
- Problem Credit Management – Early Stage Problem Credits
- Problem Credit Management – Late Stage Problem Credits
- Problem Credit Management – Accounting for Problem Credits

Counterparty Credit Risk (CCR) Management

- Counterparty Credit Risk (CCR) – An Introduction
- Counterparty Credit Risk (CCR) – Measurement
- Counterparty Credit Risk (CCR) – Management

Market Risk Management

- Market Risk – An Introduction
- Market Risk – Measurement
- Market Risk – Management
- VaR & Expected Shortfall – An Introduction
- VaR & Expected Shortfall – Measurement

Interest Rate Risk Management

- Interest Rate Risk – An Introduction
- Interest Rate Risk – Measurement
- Interest Rate Risk – Management

Liquidity Risk Management

- Liquidity Risk – An Introduction
- Liquidity Risk – Measurement
- Liquidity Risk – Management

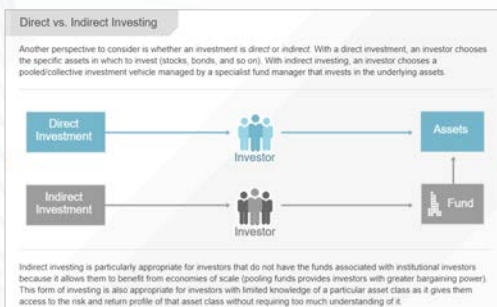
Operational Risk Management

- Operational Risk – An Introduction
- Operational Risk – Measurement & Reporting
- Operational Risk Management – Tools & Techniques
- Operational Risk Management – Developments & Emerging Risks

Bank ALM & Treasury Management

- Bank Balance Sheets
- ALM & Treasury Management – An Introduction
- ALM – Strategic ALM
- ALM – Tools & Techniques
- ALM & Treasury Operations
- Treasury Cash Management – Scenario

06 Investment Management



Portfolio Theory & Practice

- Investment – An Introduction
- Risk & Return – An Introduction
- Risk & Return – Portfolios
- Risk & Return – Efficient & Optimal Portfolios
- Capital Asset Pricing Model (CAPM)
- APT & Factor Models
- Factor-Based Investing – Primer
- Efficient Markets
- Portfolio Management – Passive vs. Active Approaches
- Portfolio Management – Behavioral Theory
- Portfolio Performance – Measures
- Portfolio Performance – Attribution Analysis

Asset Allocation & Portfolio Construction

- Asset Allocation – An Introduction
- Strategic Asset Allocation (SAA)
- Tactical Asset Allocation (TAA)
- Asset Allocation – Scenario
- Investment Policy Statements

Asset Classes

- Asset Classes – Primer
- Asset Classes & Investing
- Asset Classes – Types

Exchange Traded Funds (ETFs)

- Exchange-Traded Funds (ETFs) – An Introduction
- Exchange-Traded Funds (ETFs) – Types
- Smart Beta – Primer

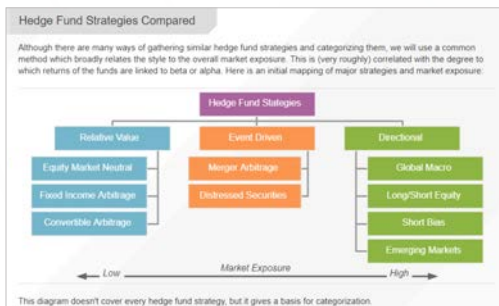
Investment Companies (US)

- Mutual Funds (US) – An Introduction
- Mutual Funds (US) – Investing
- Mutual Funds (US) – Types
- Closed-End Funds (US)
- Unit Investment Trusts (US)

Collective Investment Schemes (UK)

- Collective Investment Schemes (UK)

06 Investment Management



Alternative Assets

- Alternative Assets – An Introduction
- Liquid Alternatives

Hedge Funds

- Hedge Funds – An Introduction
- Hedge Funds – Investing
- Hedge Funds – Strategies

Private Equity

- Private Equity – An Introduction
- Private Equity – Investing

Real Estate

- Real Estate – An Introduction
- Real Estate – Investing
- Real Estate – Valuation

ESG & SRI Investing

- ESG & SRI Investing

Risk Management for Asset Managers

- Risk Management for Asset Managers – An Introduction
- Asset Management – Operational Risk
- Asset Management – Market Risk
- Asset Management – Credit Risk & Counterparty Credit Risk (CCR)
- Asset Management – Liquidity Risk
- Asset Management – Other Risks

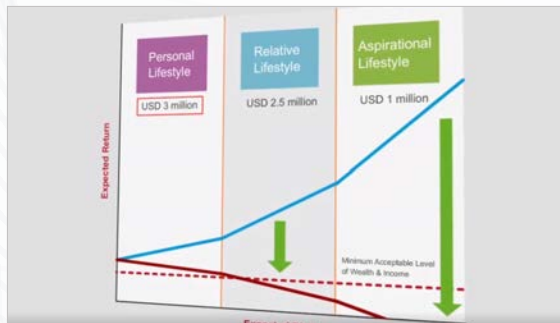


This course has helped me keep up to date with developments in the industry and meet my CPE requirements



– Portfolio Manager

07 Private Wealth Management



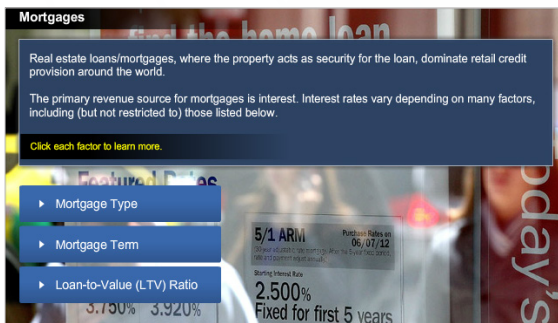
Understanding the Private Wealth Management Business

- Private Wealth Management – Clients
- Private Wealth Management – Ultra-HNWIs & Family Offices
- Private Wealth Management – Client Investment & Wealth Allocation
- Private Wealth Management – Client Acquisition & Relationship Management
- Private Wealth Management – Becoming a Trusted Advisor
- Private Wealth Management – Behavioral Finance
- Private Wealth Management – Compliance Considerations

Private Wealth Management Products & Services

- Private Wealth Management – Banking & Deposit Services
- Private Wealth Management – Credit & Lending Services
- Private Wealth Management – Investment Services
- Private Wealth Management – Alternative Investments
- Private Wealth Management – Financial Planning
- Private Wealth Management – Estate Planning
- Private Wealth Management – Scenario

08 Consumer (Retail) Banking



Consumer (Retail) Banking

- Consumer Banking – An Introduction
- Consumer Banking – Products
- Branch Banking
- Banking Channel Management
- Consumer Banking – Marketing
- Consumer Banking – Selling
- Consumer Banking – Customer Service
- Consumer Payments – An Introduction
- Advanced Payment Methods
- Card Issuing – An Introduction
- Cards & Payments – Merchant Acquiring
- Cards – Marketing

“ Using Know-How, my team is able to quickly upskill to adapt to shifting client needs, new products, and new ways of doing business. ”

– Change execution leader

09 Securities Services



Custody & Fund Services

- Custody – An Introduction
- Corporate Actions – An Introduction
- Corporate Actions – Types
- Shareholder Servicing
- Fund Types & Structures
- Fund Administration
- Fund Valuation

Prime Brokerage

- Prime Brokerage – An Introduction
- Prime Brokerage – The Prime Broker's Viewpoint
- Prime Brokerage – The Institution's Viewpoint



10 FinTech

Proof of Work

Proof of work (PoW) is an algorithm that is used to confirm transactions and add new blocks to the blockchain.

The general idea is that for each state update, some computational work is done and the version with the most amount of work will triumph.

In other words, participants will always select the most computed chain - the amount of computational work has become the unique identifier for the states.



Growth Factors for AI

Although society has entertained the concept of creating artificial intelligence in some form or another for centuries, progress within this field has truly taken off in recent times. The key drivers of this growth are described below.

Select each driver to learn about it.



Data Growth



Improved Hardware



Consumer Demand

FinTech

- Bitcoin & Blockchain
- Blockchain Structure & Security
- Smart Contracts & Blockchain Applications
- Cryptocurrencies & Initial Coin Offerings (ICOs)
- Data Analytics
- Robotic Process Automation (RPA)
- Artificial Intelligence (AI)
- Robo-Advice
- Internet of Things (IoT)
- Enterprise Resource Planning (ERP)

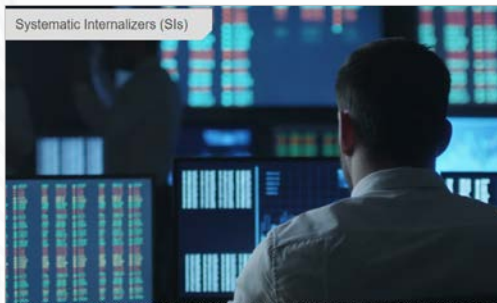


*Know-How
has helped
us bring all
our new staff
up to speed.
We've been
very impressed
by the range
and quality of
content"*



– Learning Consultant:
Graduate training team
(Onboarding)

11 Regulation & Compliance



Global Financial Regulation

- Financial Regulation – An Introduction
- Financial Authorities (US)
- Financial Authorities (UK) – PRA & FCA
- Financial Authorities (UK) – Bank of England
- Financial Authorities (Europe) – ECB
- Financial Authorities (Europe) – ESFS
- Financial Authorities (Japan)
- Financial Authorities (Hong Kong)
- Financial Authorities (Singapore)
- Financial Authorities (China)

Basel Framework

- Basel III – An Introduction
- Basel III – Pillar 1 & Capital Adequacy
- Basel III – Measurement Approaches
- Basel III – Liquidity & Leverage
- Basel III – Pillar 2 & ICAAP
- Basel III – Pillar 3 & Risk Reporting

Corporate Governance

- Corporate Governance
- Corporate Social Responsibility (CSR)

US Regulation

- Dodd-Frank Act – An Overview
- Volcker Rule
- US Anti-Money Laundering (AML)
- Foreign Corrupt Practices Act (FCPA)
- FATCA

European Regulation

- MiFID II/MiFIR – Primer
- MiFID II/MiFIR – Key Requirements
- EMIR
- Market Abuse (Europe)
- UCITS
- AIFM Directive
- CSDR
- PRIIPs
- Insurance Distribution Directive (IDD)
- GDPR
- Solvency II

11 Regulation & Compliance

Scenario: Identifying Abusive Practices

Sarah runs a commodities trading desk at a firm in London and is reviewing the day's trading results with one of her senior managers.

They notice that one of her traders seems to have been regularly selling one type of futures contract to one particular trader while repurchasing it from another market source. The two third-party traders involved are always the same and all orders are fulfilled. The trades seem to be continuing.



Monetary Authority of Singapore (MAS)

The MAS is Singapore's central bank. The MAS also performs the role of supervisor and regulator of Singapore's financial services sector, overseeing the banking, securities, futures, and insurance industries. It aims to develop and promote Singapore as an international financial centre.

In accordance with its supervisory role, the MAS sets regulations and issues notices and guidelines to financial institutions for the prevention of money laundering and countering of terrorism financing.

In issuing its regulations, notices, and guidelines, the MAS takes into consideration the developments and recommendations made by international bodies such as FATF, the International Monetary Fund, the World Bank, the Basel Committee on Banking Supervision, and the UN Security Council's resolutions that impose sanctions on designated individuals and entities.



UK Regulation

- UK Anti-Money Laundering (AML)
- UK Conduct Regime
- UK Individual Accountability Regime (IAR)
- UK Market Abuse
- UK Cybersecurity
- UK Anti-Bribery & Corruption (ABC)
- UK CASS Regime

Irish Regulation

- Ireland Anti-Money Laundering (AML)
- Ireland Anti-Bribery & Corruption (ABC)
- Market Abuse (Ireland)

Other Regulation/Compliance

- Conflicts of Interest
- Global Anti-Money Laundering (AML)
- Singapore Anti-Money Laundering (AML)
- Hong Kong Anti-Money Laundering (AML)
- UAE Anti-Money Laundering (AML)
- Anti-Bribery & Corruption (ABC) in Asia
- Singapore Personal Data Protection Act (PDPA)
- Sapin II





Simple and efficient. The tutorials provided exactly what we needed.




– Chief compliance officer



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