



# Global Markets Academy

## Financial Markets Training Programs

### Course Catalog 2020

Available Online Video Training via CapitalWave's  
Digital Learning Environment (DLE)



**CapitalWave Inc.**  
TECHNOLOGY ENABLED LEARNING

*Technology Enabled Learning™*

## CLOUD BASED TRAINING:

Every organization seeks to insure that new graduates, new hires, and current employees add value to the business quickly and consistently. It has become ever more critical to onboard and train employees cost-effectively, as well as to ensure all staff are up-to-speed with new products, new techniques and changes in the marketplace.

The Global Markets Academy provides the latest market training delivered in a format that is the latest talked about solution by forward-looking firms such as Gartner, Cisco and Forrester. Our solution is video-based training deployed via the cloud, and supported by written content, quizzes, exams and trainer access. The highest rate of learning adoption currently is via video-delivery. Not only does it provide repeatable and flexible delivery, but users are better engaged, capable of accessing training from any device, and remain in a managed program. Video training is typically delivered for a fraction of the cost compared to traditional live-training formats.

Our *Technology Enabled Training* is available via any internet connected computer, tablet or smartphone. The entire catalog, as well as a customized group of specific programs, can be deployed across your entire company.

### For employees

- Participate in a scheduled program
- Integrate training with daily workflow
- Explore topics in all aspects of the Capital and Wealth Markets
- Increase your financial acumen and skills
- Research individual program to find answer to specific questions
- Enhance professional development

### For management

- Turn-key solution deployed via the cloud
- Promote both individual and group learning
- Provide employee performance support
- Support employee onboarding
- Simplify and facilitate transitioning staff
- Supplement and/or replace books
- Manage financial skills of your staff
- Reduce and/or eliminate logistic costs from direct training solutions

### Main features

- Expert Instructors
- Custom learning paths
- Downloadable resource material
- Online note taking
- Certificates of completion
- Entire catalog access
- Mobile device access
- Detailed reporting at group, course, and user level
- Privacy and security
- Content updates at no additional cost

## ONLINE VIDEO PROGRAMS

### GLOBAL MARKETS ACADEMY

Fundamentals of Global Markets  
Equity Market Fundamentals  
Fixed Income Fundamentals  
Bond & Financial Maths  
Fundamentals of Forwards and Futures  
Fundamentals of Options  
Fundamentals of Swaps and FRAs  
Fundamentals of Credit Derivatives  
Analyst & Associate Graduate Training

### INVESTMENT MANAGEMENT ACADEMY

Investment Management Intensive  
Alternative Investments—Intensive  
Fundamentals of Commodities

### GLOBAL OPERATIONS ACADEMY

Security Operation Concepts  
Fundamentals of Banking Operations  
Security Trade Lifecycle  
Fundamentals of Corporate Actions  
Risks in Securities Operations

### RISK & REGULATORY ACADEMY

Fundamentals of Risk Management  
Regulatory Supervision & Management  
Basel III: Regulatory Intensive

### PROGRAMS COMING SOON...

Wealth Management Intensive Investment  
Banking Fundamentals Fundamentals of  
Forex  
Commodities & Energy Fundamentals FRM &  
APRM Certification Training

### IMPLEMENTATION

Via our DLE or your LMS  
Integration & Authentication options Allows  
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Cloud Implementation  
Accessible via computer, tablet and  
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[www.InvestmentManagementAcademy.com](http://www.InvestmentManagementAcademy.com)

## FUNDAMENTALS OF GLOBAL MARKETS

The Fundamentals of Global Markets course is equivalent to a 5-day live training program designed to prepare delegates for a career working in the financial markets. At the end of the program, delegates understand the terminology and know the key features of the major products traded in the global financial markets, and can identify and understand the risk management and market exposure issues addressed by banks and their clients.

There are no formal prerequisites for the course, however a working knowledge of excel and financial mathematics is helpful. The program is designed to provide the knowledge and skills required for new entrants into financial markets, while significantly enhancing the knowledge base of more experienced team members. The target audience includes relationship managers, junior traders, risk managers, treasury operations and general finance staff.

The course is delivered using an engaging combination of cloud based video instruction, case studies, activities and exercises. The course also includes a discussion forum for delegates to engage directly with the instructors

### 1. Overview of Financial Markets & Sectors

- Overview of the Financial Markets
- The Money Market
- Price Making and Money Market Products
- The Equity Markets

### 2. Fixed Income Product & Markets

- Bond Market Maths
- Fixed Income Products and Markets
- The Yield Curve
- Forward Pricing and Forward Rate Agreements

### 3. Foreign Exchange and Futures

- Foreign Exchange
- FX Forwards & Swaps
- Introduction to Futures
- STIR Futures

### 4. The Fundamentals of Swaps

- Bond Futures
- Introduction to Swaps
- Principles of Swap Pricing
- Other Types of Swaps

### 5 .Understanding Options

- Introduction to Options
- Principles of Option Pricing
- Option Risk
- Option Hedging and Trading Strategies

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## ONLINE VIDEO PROGRAMS

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Fundamentals of Global Markets  
Equity Market Fundamentals  
Fixed Income Fundamentals  
Bond & Financial Maths  
Fundamentals of Forwards and Futures  
Fundamentals of Options  
Fundamentals of Swaps and FRAs  
Fundamentals of Credit Derivatives  
Analyst & Associate Graduate Training

### INVESTMENT MANAGEMENT ACADEMY

Investment Management Intensive  
Alternative Investments—Intensive  
Fundamentals of Commodities

### GLOBAL OPERATIONS ACADEMY

Security Operation Concepts  
Fundamentals of Banking Operations  
Security Trade Lifecycle  
Fundamentals of Corporate Actions  
Risks in Securities Operations

### RISK & REGULATORY ACADEMY

Fundamentals of Risk Management  
Regulatory Supervision & Management  
Basel III: Regulatory Intensive

### PROGRAMS COMING SOON...

Wealth Management Intensive  
Investment Banking Fundamentals  
Fundamentals of Forex  
Commodities & Energy Fundamentals  
FRM & APRM Certification Training

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## EQUITY MARKET FUNDAMENTALS

The Equity Markets Fundamentals course is equivalent to a 3-day live training program designed to prepare delegates for a career working in the financial markets. The program covers all of the commonly traded equity instruments and explains their key features, risks, and how they are priced and traded. At the end of the program, delegates will: understand the key features and terminology of the equity markets, be familiar with how the major equity products are traded, how they are used, and the trade strategies market participants employ. Delegates will also understand the critical information that moves equity market prices.

There is no formal pre-requisite for the course. The program is designed to provide the knowledge and skills required for new entrants into financial markets. The main target audience includes relationship managers, junior traders, risk managers, treasury operations and general finance staff.

The course is delivered using an engaging combination of online video instruction, case studies, activities and exercises. It also includes a discussion forum for delegates to engage directly with the instructor.

### 1. Equity Market Fundamentals

- Overview of the Equity Markets
- Who are the equity market participants
- Equity Issuance
- Equity Market Execution

### 2. Trading Equities

- Equity Trading Strategies
- Fundamental Analysis
- Technical Analysis
- Market Moving News

### 3. Equity Derivatives

- Key Equity Derivatives
- Introduction to Options
- Option Pricing and Risk Factors
- Equity Arbitrage and Advanced Trade Strategies

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Fixed Income Fundamentals  
Bond & Financial Maths  
Fundamentals of Forwards and Futures  
Fundamentals of Options Fundamentals  
of Swaps and FRAs Fundamentals of  
Credit Derivatives Analyst & Associate  
Graduate Training

### INVESTMENT MANAGEMENT ACADEMY

Investment Management Intensive  
Alternative Investments—Intensive  
Fundamentals of Commodities

### GLOBAL OPERATIONS ACADEMY

Security  
Operation Concepts Fundamentals of  
Banking Operations Security Trade  
Lifecycle  
Fundamentals of Corporate Actions Risks  
in Securities Operations

### RISK & REGULATORY ACADEMY

Fundamentals of Risk Management  
Regulatory Supervision & Management  
Basel III: Regulatory Intensive

### PROGRAMS COMING SOON...

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Investment Banking Fundamentals  
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## FIXED INCOME FUNDAMENTALS

The Fixed Income Fundamentals course is equivalent to a 4-day live training program, designed to prepare delegates for a career working in the financial markets. At the end of the program, delegates understand the terminology and know the key features of the money markets, understand the fixed income market and credit markets. The delegates will have a working knowledge of the commonly traded fixed income instruments, how they are used, and the trade strategies market participants employ. Additionally, the delegates will be familiar with the economic releases which tend to move interest rates, and the data participants need in order to be current on fixed income market developments.

There are no formal prerequisites for the course. The program is designed to provide the knowledge and skills required for new entrants into financial markets, while significantly enhancing the knowledge base of more experienced team members. The target audience includes relationship managers, junior traders, risk managers, treasury operations and general finance staff.

The course is delivered using an engaging combination of cloud based video instruction, case studies, activities and exercises. The course also includes a discussion forum for delegates to engage directly with the instructors.

### 1. The Money Markets

- Introduction to the Money Markets
- Introduction to Futures
- Yield Curves and Forward Rates
- STIR Futures

### 2. The Bond and Swap Markets

- Bond Market Maths and Repos
- Fixed Income Products and Markets
- Interest Rate Swaps
- Other Types of Swaps

### 3. US Bonds and Emerging Markets

- More on US Bond Markets
- Emerging Markets—Latin America Focus
- Emerging Markets—Eastern Europe and Asia Pacific
- Introduction to Options

### 4. Taking Credit

- Options knowledge primer
- Overview of Credit Derivatives
- Single Name and Index CDS
- Trading Credit

## ONLINE VIDEO PROGRAMS

### GLOBAL MARKETS ACADEMY

Fundamentals of Global Markets  
Equity Market Fundamentals  
Fixed Income Fundamentals  
Bond & Financial Maths  
Fundamentals of Forwards and Futures  
Fundamentals of Options  
Fundamentals of Swaps and FRAs  
Fundamentals of Credit Derivatives  
Analyst & Associate Graduate Training

### INVESTMENT MANAGEMENT ACADEMY

Investment Management Intensive  
Alternative Investments—Intensive  
Fundamentals of Commodities

### GLOBAL OPERATIONS ACADEMY

Security Operation Concepts  
Fundamentals of Banking Operations  
Security Trade Lifecycle  
Fundamentals of Corporate Actions  
Risks in Securities Operations

### RISK & REGULATORY ACADEMY

Fundamentals of Risk Management  
Regulatory Supervision & Management  
Basel III: Regulatory Intensive

### PROGRAMS COMING SOON...

Wealth Management Intensive  
Investment Banking Fundamentals  
Fundamentals of Forex  
Commodities & Energy Fundamentals  
FRM & APRM Certification Training

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## BOND AND FINANCIAL MATHS

The Bond and Financial Maths training course is equivalent to a 2-day live training program designed to prepare delegates for a career working in the financial markets. At the end of the program, delegates will be: completely familiar with the concepts of bond maths, comfortable in applying these concepts in practice, able to explain the theory underlying the pricing and valuation of fixed income and related products.

There is no formal pre-requisites for the course. The program is designed to provide the knowledge and skills required for new entrants into financial markets. The main target audience includes portfolio managers, institutional sales staff, research analysts, back office professionals, financial analysts, cash/money managers, auditors and compliance staff.

The course is delivered using an engaging combination of online video instruction, case studies, activities and exercises. It also includes a discussion forum for delegates to engage directly with the instructor.

### 1. Time Value of Money & Understanding the Yield Curve

- Time value of money
- Present and Future Values
- Discrete vs. Continuous Compounding
- Understanding the Yield Curve
- Yield Curve strategies and plays

### 2. Money Market Instruments and Mathematics

- Money Market Instruments
- Repos
- Pricing interest-bearing instruments
- Compounding yields

### 3. Bond Maths

- Pricing coupon securities
- Prices and Yields
- Treasury Yield Curve
- Treasury strips

### 4 .Duration and Convexity

- Duration, volatility and convexity
- Duration to measure bond price sensitivity
- Convexity for large yield shifts
- Characteristics of bullet and barbell portfolios

### 5 .Market Mathematics: Corporate Bonds

- Corporate Bonds
- Rating Agencies
- High Yield bonds
- Bonds with embedded options

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Basel III: Regulatory Intensive

### PROGRAMS COMING SOON...

Wealth Management Intensive  
Investment Banking Fundamentals  
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## FUNDAMENTALS OF FORWARDS & FUTURES

The Fundamentals of Forwards and Futures course is equivalent to a 1-day live training program. It is designed to prepare delegates for a career working in the financial markets. At the end of the program, delegates understand the terminology and know the key features of the forward and futures markets, know the principles of forwards and futures pricing and settlement, understand and identify contango, backwardation and seasonality, and are familiar with interest rate and STIR futures and their uses in managing interest rate risks.

There is no formal pre-requisites for the course. The program is designed to provide the knowledge and skills required for new entrants into financial markets. The main target audience includes relationship managers, junior traders, risk managers, treasury operations and general finance staff.

The course is delivered using an engaging combination of online video instruction, case studies, activities and exercises. It also includes a discussion forum for delegates to engage directly with the instructor.

### 1. Introduction to Futures

- Overview of Futures and background
- Key definitions and market terminology
- Pit versus screen trading
- Clearing and margining
- Commitment of traders report
- Physical delivery versus cash settlement

### 2. Principles of Forward Pricing

- Introduction to forward pricing
- Cash and carry trade
- The relationship between futures and cash markets
- Contango, backwardation and seasonality
- Arbitrage limitations
- Implies forward interest rates

### 3. STIR Futures Principles and Applications

- Overview of STIR futures
- Key contract specifications
- Hedging applications
- Yield curves, forward interest rates and convergence
- Key trading strategies

### 4. Bond Futures

- Overview of Bond Futures
- Key contract specifications
- Market terminology
- Conversion factors
- Using bond futures to manage risk

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Analyst & Associate Graduate Training

### INVESTMENT MANAGEMENT ACADEMY

Investment Management Intensive  
Alternative Investments—Intensive  
Fundamentals of Commodities

### GLOBAL OPERATIONS ACADEMY

Security Operation Concepts  
Fundamentals of Banking Operations  
Security Trade Lifecycle  
Fundamentals of Corporate Actions  
Risks in Securities Operations

### RISK & REGULATORY ACADEMY

Fundamentals of Risk Management  
Regulatory Supervision & Management  
Basel III: Regulatory Intensive

### PROGRAMS COMING SOON...

Wealth Management Intensive  
Investment Banking Fundamentals  
Fundamentals of Forex  
Commodities & Energy Fundamentals  
FRM & APRM Certification Training

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## FUNDAMENTALS OF OPTIONS

The Fundamentals of Options course is equivalent to a 2-day live training program, which is designed to prepare delegates for a career working in the financial markets. At the end of the program, delegates understand options terminology and know the key features of the Options markets, are familiar with the types and styles of options, understand the types of options risks identifies using the Greeks, and understand volatility and hedging with options.

There are no formal prerequisites for the course. The program is designed to provide the knowledge and skills required for new entrants into financial markets, while significantly enhancing the knowledge base of more experienced team members. The target audience includes relationship managers, junior traders, risk managers, treasury operations and general finance staff.

The course is delivered using an engaging combination of cloud based video instruction, case studies, activities and exercises. The course also includes a discussion forum for delegates to engage directly with the instructors.

### 1. Introduction to Options

- Introduction to Options
- Key market quotations and terminology
- Types and styles of options
- Option pay-off diagrams

### 2. Principles of Option Pricing

- Key pricing variables
- Option pricing techniques and models
- Black-Scholes model
- Binomial pricing
- Monte Carlo simulations

### 3. Understanding the Greeks

- Overview of option risk
- Delta
- Gamma
- Theta
- Vega
- Managing an options book

### 4. Option Trading Strategies

- Using Options to trade
- Basic option trading strategies
- Combining options to build strategies
- Volatility trading strategies
- Straddles, strangles and butterflies

### 5: Understanding Volatility

- Introduction to volatility
- Historical versus implied
- Influences on volatility
- Volatility smiles, skews and the Vix

### 6: Hedging using Options

- Key principles of hedging
- Traditional hedging strategies
- Understanding implications of a strike
- Identifying the protection needed
- Collars and participations
- Seagull strategy
- Delta adjustments

### 7. FX and other Types of Options

- Foreign exchange options
- At the money forwards
- Risk reversals
- Interest rate caps, floors and collars
- Swaptions
- Bond options

### 8. Overview of Exotic Options

- Introduction to exotic options
- Barrier options
- Time dependent options
- Digital options
- Hedging strategies with digital options

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## FUNDAMENTALS OF SWAPS and FRAs

The Fundamentals of Swaps and Forward Rate Agreements course is equivalent to a 1-day live training program, and is designed to prepare delegates for a career working in the financial markets. At the end of the program, delegates understand the terminology and know the key features of the swaps and FRA market, understand Swap pricing and valuation, and have exposure to the fundamentals of various exotic swap structures.

There are no formal prerequisites for the course. The program is designed to provide the knowledge and skills required for new entrants into financial markets, while significantly enhancing the knowledge base of more experienced team members. The target audience includes relationship managers, junior traders, risk managers, treasury operations and general finance staff.

The course is delivered using an engaging combination of cloud based video instruction, case studies, activities and exercises. The course also includes a discussion forum for delegates to engage directly with the instructors.

### 1. Forward Rate Agreements

- Introduction to Forward Rate Agreements
- Key market quotations and terminology
- Linking forward rates and cash rates
- Using FRA's to hedge risk
- Theoretical FRA pricing from STIR futures

### 2. Introduction to Swaps

- Definition and key features
- Market conventions and quotations
- Swap applications
- Principle of comparative advantage
- Par asset swaps

### 3. Principles of Swap Pricing & Valuation

- Overview of valuation principles
- Understanding zero coupon rates and discount factors
- The link between discount factors and forward rates
- Constructing an interest-rate swap
- Valuing non-standard swaps

### 4. Other types of Swaps

- Non-constant principal swaps
- Zero coupon swaps
- Basis swaps
- Overnight index swaps
- Cross currency swaps
- Equity, commodity and inflation swaps

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## FUNDAMENTALS OF CREDIT DERIVATIVES

The Fundamentals of Credit Derivatives course is equivalent to a 1-day live training program, designed to prepare delegates for a career working in the financial markets. At the end of the program, delegates: understand the terminology and know the key features of credit derivative instruments, will have an understanding of CDS and the uses of credit derivatives, and will have an awareness of the principles and construction of credit derivative indexes.

There is no formal pre-requisites for the course. The program is designed to provide the knowledge and skills required for new entrants into financial markets. The main target audience includes relationship managers, junior traders, risk managers, treasury operations and general finance staff.

The course is delivered using an engaging combination of online video instruction, case studies, activities and exercises. It also includes a discussion forum for delegates to engage directly with the instructor.

### 1. Introduction to Credit Derivatives

- Introduction and review of credit risk
- Principle of unbundling credit and market risk
- Overview of the CDS market
- Users of CDS
- Current Topics in credit derivatives

### 2. Single Name Credit Default Swaps

- Overview of CDS
- Credit events and settlement methods
- Definitions, procedures and documentation
- Centralized clearing and DTCC
- Pricing concepts

### 3. Using Credit Derivatives

- Using CDS to manage risk
- Trading directional credit views
- Arbitrage opportunities using CDS
- Credit curve trading

### 4. Credit Derivatives Index Products

- Principles and construction of credit derivative indexes
- The CDX and iTraxx index families
- The role of Markit
- Premiums and cash flow on index trades
- Trading credit using index based products

## ONLINE VIDEO PROGRAMS

### GLOBAL MARKETS ACADEMY

Fundamentals of Global Markets  
Equity Market Fundamentals  
Fixed Income Fundamentals  
Bond & Financial Maths  
Fundamentals of Forwards and Futures  
Fundamentals of Options  
Fundamentals of Swaps and FRAs  
Fundamentals of Credit Derivatives  
Analyst & Associate Graduate Training

### INVESTMENT MANAGEMENT ACADEMY

Investment Management Intensive  
Alternative Investments—Intensive  
Fundamentals of Commodities

### GLOBAL OPERATIONS ACADEMY

Security Operation Concepts  
Fundamentals of Banking Operations  
Security Trade Lifecycle  
Fundamentals of Corporate Actions  
Risks in Securities Operations

### RISK & REGULATORY ACADEMY

Fundamentals of Risk Management  
Regulatory Supervision & Management  
Basel III: Regulatory Intensive

### PROGRAMS COMING SOON...

Wealth Management Intensive  
Investment Banking Fundamentals  
Fundamentals of Forex  
Commodities & Energy Fundamentals  
FRM & APRM Certification Training

### IMPLEMENTATION

Via our DLE or your LMS  
Integration & Authentication options  
Allows for bulk user upload  
Cloud Implementation  
Accessible via computer, tablet and smartphones

Call us for Enterprise pricing.

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[www.GlobalMarketsAcademy.com](http://www.GlobalMarketsAcademy.com)  
[www.InvestmentManagementAcademy.com](http://www.InvestmentManagementAcademy.com)

## ANALYST & ASSOCIATE GRADUATE TRAINING

The Analyst & Associate Graduate Training course is equivalent to a 10-day live training program designed to prepare delegates for a career working in the financial markets. The program covers all of the commonly traded instruments and explains their key features, risks, and how they are priced and traded. The program also teaches how the instruments are used to speculate and hedge by both institutions and customers.

There is no formal pre-requisites for the course. However a working knowledge of excel and financial mathematics is helpful. The program is designed to provide the knowledge and skills required for new entrants into financial markets. The main target audience is newly hired university graduates. The program is also appropriate for existing junior staff seeking promotion.

The course is delivered using an engaging combination of online video instruction, case studies, activities and exercises. It also includes a discussion forum for delegates to engage directly with the instructor.

### 1. Course Intro and Money Markets

- Introduction & Money Markets
- Price Making and MM Products
- The Yield Curve

### 2. Fixed Income Product & Markets

- Bond Market Maths
- Fixed Income Risk Management
- Fixed Income Products and Markets
- Repurchase Agreements

### 3. Forex & Equity Markets

- Foreign Exchange
- FX Forwards & Swaps
- Equity Markets
- Trading in Equities

### 4. The Commodity Markets

- Intro to Commodities
- Base and Precious Metals
- The Energy Sector
- Agricultural & Exotic Commodities

### 5. Forwards and Futures Markets

- Forward Pricing
- Intro to Futures
- STIR Futures
- Bond Futures

### 6. Fundamentals of Swaps and FRA's

- Forward Rate Agreements
- Intro to Swaps
- Principles of Swap Pricing
- Other Types of Swaps

### 7. Options—Part 1

- Intro to Options
- Principles of Option Pricing
- Understanding Option Risk
- Option Trading Strategies

### 8. Options—Part 2

- More on Option Trading
- FX and other types of Options
- Exotic Options part 1

### 9. Credit Derivatives

- Intro to Credit Derivatives
- Single Name Credit Default Swaps
- Using Credit Derivatives
- Credit Derivative Index Products

### 10. Market Risks and Regulation

- Understanding Market Risks
- Banking Regulation

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# Global Markets Academy



The Global Markets Academy is our adaptation of the MOOC learning-framework. Creating highly engaging video training with the added value of online resources, assessments, and discussions with instructors.

Blended learning is the philosophy on which the company was founded. Our training methodology, integrating theory with practice using our own very powerful training tools, creates a uniquely exciting and effective learning environment. The result pays immediate dividends in the retention of newly-learned concepts and their practical application in the financial marketplace.

For further information, please contact:

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