



Advanced Technical Analysis



Course Date: TBDi



Course Length: 2 days
8:30 a.m. – 4:30 p.m. EST
each day (includes 60 min. lunch break)



Remote - Live Onsite



Instructor:
Richard Weissman
Nour Zekhmi CTA

Questions?

For more information or to register,
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WHAT YOU WILL LEARN

Taught by Mr. Richard Weissman, a world-renowned author and technical trader, this two-day live course is filled with techniques, analysis and insights that only his 30 plus years of trading experience can bring. This 2-day program will provide you with a comprehensive understanding of various strategies employed in the field of advanced technical analysis, and how and when to use them.

Topics covered include:

- Integrating volatility studies with traditional mathematical technical analysis.
- Weissman's Risk Management Pyramid including stop losses, volumetric limits, VaR limits, correlation analysis, stress testing and fixed fractional money management.
- Trend exhaustion indicators including TD Sequential and TD Combo.
- Using TD Points, TD Trendlines, TD Setup Trend and TD Risk Lines.
- How to use Guppy Multiple Moving Averages
- High-Frequency (aka "scalping") Techniques: Timeframe divergence, cycles in volatility
- Mechanizing Elliott Wave with the Elliott Wave Oscillator
- Neural Networks, genetic algorithms and fuzzy logic
- Applying fractals, self-similarity and chaos theory to technical analysis
- Dark Pools, Icebergs, Gamers and low latency trading
- Real-time system development and optimization exercise with CQG software.
- Combining non-correlated trading systems.
- Regret Minimization Techniques: What they are and how to apply them to trend-following and countertrend models.

Course Syllabus – Day One

morning session

Session 1: Behavioral Finance and Technical Analysis

- Behavioral finance and how it relates to technical analysis:
 - What is prospect theory?
 - How technical analysis exploits irrational markets

Session 2: Risk Management, Volatility and Time Cycle studies

- Weissman's Risk Management Pyramid:
 - Volumetric and stop loss methods
 - VaR and Stress Testing
 - Anti-Martingales (including Fixed Fractional position sizing)
 - Enhancing math-driven technical models with volatility studies
 - Multiple Timeframe Analysis and Timeframe Divergence
 - The limits of fractals in technical analysis

Session 3: Developing Trading Models with CQG Software

- Programming Issues in system development:
 - Theory Checking, Spot Checking
 - Backtesting and forward testing
 - Optimization studies
 - Other pitfalls

afternoon session

Session 4: Developing Mechanical Trading Systems

Using this real-time trading system development simulation attendees will analyze a commodity, develop a market opinion regarding which type (trending, mean reverting) of trading system will outperform over the next twenty-four hours and learn how other systems performed.

Session 5: Neural networks, genetic algorithms, chaos theory and fuzzy logic

This session examines the major types of advanced technical tools including neural networks, genetic algorithms, chaos theory and fuzzy logic. We'll examine the tools, why they help in the development of technical trading models as well as their limitations.

Session 6: Applying the Theories: Mechanizing Elliott Wave, Candlesticks and Trendlines

This session applies the theories discussed in the prior session to specific areas of subjective (non-mathematical) technical analysis including fuzzy logic to candlestick formations, applying neural nets and genetic algorithms to mechanical trading systems and mechanizing Elliott Wave with Tom Joseph's Elliott Wave Oscillator and Profit Taking indicator.

Course Syllabus – Day Two

morning session

Session 1: DeMark Indicators and Trading Systems

This session explores the major indicators used by Tom DeMark including:

- TD Sequential
- TD Combo
- TD Set Up Trend
- TD Risk Lines
- TD Points
- TD Trendlines

Session 2: Optimization, Curve Fitting, Backtesting and Forward Testing

This session examines various methods to ensure the robustness of a mechanical trading system including backtesting and forward testing. Emphasis will be placed on elimination of suboptimal parameter sets, data integrity issues, liquidity risk as well as various curve-fitting problems (parameter and data curve-fitting). The session closes with an in-depth examination of backtesting and forward testing as well as the development and implementation of trading system “failsafes” based on losses, drawdowns and paradigm shifts.

Session 3: Trader Psychology and Matching the Trading System to the Trader

This session explores trader psychology, the importance of even-mindedness, non-attachment to the trade’s outcome and elimination of conflicting beliefs regarding trading for a living. In addition, it dispels the myth of trading systems as a, “one size fits all” proposition through a detailed exposition of various long-term, intermediate-term, swing and day trading systems. Special focus is placed on psychological issues such as, “fading the crowd”, “screen burnout”, “buying new highs” and selling new lows”. We’ll close the session by examining realistic performance expectations for various systems based on peak-to-valley equity drawdowns, winning percentages, average trade duration, average “flat” time and longest drawdown duration prior to achievement of new equity highs.

afternoon session

Session 4: Short-term Trading for Professional Speculators

In this session attendees will develop rule-based trading methodologies based on cycles in volatility, timeframe divergence, price risk management as well as other strategies and techniques covered in this course. Attendees will then apply these techniques in a short-term, real-time simulated trading exercise.

Session 5: Enhancing Performance by Combining Non-Correlated Trading Systems

The session shows how performance can be enhanced through three types of diversification: asset class, parameter set and trading system. We then explore the pros and cons of each type of diversification method. Finally, we examine how combining uncorrelated trading systems allows us to expand beyond our natural comfort zones as traders, thereby allowing us to systematically overcome psychological limitations regarding the type of market action we can capitalize on.

Session 6: Regret Minimization Techniques

What can we do to make it easier to follow our trading rules? Since the most common reason traders abandon discipline is regret over losses and /or missed opportunities this session offers various methods to counter these self-destructive tendencies. Particular emphasis is placed on techniques to minimize regret for trend-following as well as countertrend traders.

Session 7: Algorithmic Trading

We’ll close the course with an introduction to algorithmic trading including its history and evolution as well as where it stands today, its limitations and its future.

Meet YOUR INSTRUCTOR

Mr. Richard Weissman is one of the world's foremost authorities and thought leaders in the fields of derivatives, risk management and technical analysis. He is the author of two books: *Mechanical Trading Systems: Pairing Trader Psychology with Technical Analysis* (Wiley, 2004) and *Trade Like a Casino: Find Your Edge, Manage Risk and Win Like the House* (Wiley, 2011) which was a finalist for the 2012 Technical Analyst Book of the Year Award.

Richard has more than 30 years of experience as a derivatives trader and has provided training and consultation services to traders and risk managers at investment banks, hedge funds, energy and agricultural companies for more than 20 years. He has helped train staff from virtually every major firm that uses derivatives including Morgan Stanley, Citicorp, Exxon-Mobil, Shell, Exelon, Cargill, CFTC, EIA, Platts, Intercontinental Exchange and CME Group. He has been the featured speaker at leading industry conferences throughout the world.

Richard provides state-of-the-art training and consulting solutions for traders, risk managers and professionals supporting traders and risk managers. Although his primary focus continues to be serving the needs of the energy and agriculture industries, many of the courses and risk management solutions he provides are applicable to all asset classes including foreign exchange, interest rates, equities, metals and softs.



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