

Tradechology Jr. Syllabus



Course Information

Course Titles: The Time Travelers Academy

Semester: Spring 2025

Meeting Times: Monday-Friday

Location: Virtual

Course Description

This comprehensive curriculum introduces students to fundamental financial concepts, investment strategies, and market analysis through a combination of theoretical understanding and practical application. Using historical market events as case studies, students will develop both technical skills and personal financial wisdom.

Academic Calendar

*Important Dates

- January 13, 2025: First Day of Classes
- January 20, 2025: Reverend Dr. Martin Luther King Jr. Day (No Classes)
- February 17, 2025: Presidents' Day (No Classes)
- March 18, 2025: Founder's Day (No Classes)
- March 31, 2025: Eid al-Fitr (No Classes)
- April 14-21, 2025: Spring Break (No Classes)
- May 26, 2025: Memorial Day (No Classes)

Make-up Classes

- Classes missed due to holidays will have asynchronous assignments posted in Schoology
- Trading simulations will be adjusted to account for market holidays
- Students are responsible for checking Schoology for holiday-specific instructions

Course Overview

The course is structured around eight key units that chronologically explore significant market events and their lessons:

Welcome Week: Introduction to Tradechology Jr.

January 13, 2025 - January 19, 2025

- Orientation to course platforms (*Schoology, EdPuzzle, IBKR Mobile App*)
- Setting up trading accounts and learning basic navigation
- Introduction to course expectations and learning objectives





UNIT 1 1970s Inflation Crisis

January 20, 2025 - January 24, 2025

- Understanding the history of money and basic budgeting principles
- Analyzing the impact of inflation on personal finances
- Learning envelope budgeting methodology
- Historical case study of 1970s inflation management strategies



UNIT 2 1987 Black Monday

January 27 - February 7, 2025

- Examining the causes and consequences of the 1987 market crash
- Understanding market volatility and risk management
- Learning diversification strategies
- Developing patience and long-term planning skills



UNIT 3 2000 Dot-Com Bubble

February 10, 2025 - February 28, 2025

- Analyzing the technology boom and bust of the late 1990s
- Evaluating business fundamentals and market valuations
- Understanding psychological factors in investing
- Exploring concepts of market speculation and the Greater Fool Theory



UNIT 4 2008 Financial Crisis

March 3, 2025 - March 21, 2025

- Examining the causes of the global financial crisis
- Understanding complex financial instruments and leverage
- Analyzing the role of regulation in financial markets
- Learning about risk assessment and responsible investing





UNIT 5

2009 Bitcoin Emergence

March 24, 2024 - April 11, 2025

- Introduction to blockchain technology and digital currencies
- Understanding new financial technologies and their impact
- Evaluating investment opportunities in emerging markets
- Balancing innovation with risk management



UNIT 6

2020 COVID-19 Market Impact

April 14, 2025 - April 25, 2025

- Analyzing market behavior during global crises
- Understanding government intervention and stimulus effects
- Exploring the role of technology in modern markets
- Developing crisis management strategies



UNIT 7

2024 Trump Election Rally

April 28, 2025 - May 16, 2025

- Understanding market cycles and recovery patterns
- Analyzing the factors driving market rallies
- Learning about portfolio rebalancing
- Developing strategies for various market conditions



UNIT 8

2035 Green Energy Revolution

May 19, 2025 - May 30, 2025

- Synthesizing lessons from historical market events
- Participating in final trading competition
- Completing comprehensive market analysis
- Understanding the role of psychology in trading



Learning Outcomes

Foundational Knowledge

- ✓ Understand key financial concepts including budgeting, inflation, market mechanics, and investment strategies
- ✓ Explain the historical significance of major market events and their impact on investment practices
- ✓ Identify different types of financial instruments and their characteristics

Application

- ✓ Develop and manage investment portfolios using Interactive Brokers
- ✓ Apply risk management strategies to protect investments
- ✓ Analyze market trends and make informed investment decisions
- ✓ Use financial tools and technologies effectively

Integration

- ✓ Connect historical market events to modern investment strategies
- ✓ Synthesize multiple approaches to create comprehensive financial plans
- ✓ Relate personal financial decisions to broader economic trends

Human Dimension

- ✓ Work effectively in teams to develop and execute investment strategies
- ✓ Understand how personal biases affect financial decision-making
- ✓ Develop self-awareness in risk tolerance and investment preferences

Caring

- ✓ Appreciate the importance of financial literacy
- ✓ Develop an ethical approach to investment and wealth management
- ✓ Value long-term financial planning and responsible investing

Learning How to Learn

- ✓ Develop strategies for continuous financial education
- ✓ Build habits for staying informed about market trends
- ✓ Create personal systems for tracking and analyzing investments

Course Structure and Materials

Required Technologies

- ➡ Interactive Brokers Mobile App
- ➡ Schoology Learning Management System

Assessment Methods

Formative Assessments

- Projects, Case Studies and Trading Simulations(35%)
- Quizzes, Assessments, & Edpuzzles (35%)
- Reflections & Discussions (10%)
- Participation & Engagement (5%)
- Final Exam (15%)



Stock Market Competition

Dates: May 26th–30th, 2025

Platform: Interactive Brokers Student Lab

Overview:

Students will apply the skills they've learned throughout the course in a simulated stock market environment. The competition will focus on strategic decision-making, portfolio management, and risk assessment, providing a hands-on opportunity to experience real-world trading scenarios.

Rewards and Recognition:

Prizes for Top Performers:

1st Place: Certificate + \$500 gift card (or equivalent educational resource).

2nd Place: Certificate + \$300 gift card.

3rd Place: Certificate + \$200 gift card.

Honorable Mentions: Awards for Best Reflection and Best Risk Management.

Recognition Ceremony:

- **Winners will be announced during a virtual closing ceremony on May 30th.**
- All participants will receive a **certificate of completion** for the competition

Course Policies

Attendance and Participation

Active participation is essential for this course. Students are expected to:

- Consume all course materials
- Complete all assignments
- Participate in online discussions
- Complete all trading simulations

Academic Integrity

Students must adhere to academic integrity policies. This includes:

- Original work on all assignments
- Proper citation of sources
- Ethical behavior in trading simulations
- Honest reporting of trading results

Late Work and Make-up Policy

- Assignments submitted after Sunday deadline: 5% deduction

We understand that students get ill and/or have other obligations outside of this program.

Here is our makeup policy for excused absences:

- Students must notify mentor within 24 hours of any requirement for an excused absence
- Complete makeup work within 1 week of return
- No penalty applied for documented illnesses or emergencies
- Maximum of 3 makeup assignments per semester without penalty



Disclosure and Risk Statement:

This program is for educational purposes only. All trading and investment activities demonstrated or referenced within this course are conducted using simulated trading environments and do not involve real financial transactions.

We do not provide financial, investment, or trading advice. Participants should not interpret any content, materials, or activities provided in this program as recommendations to buy, sell, or hold any security, financial product, or instrument.

Trading and investing involve significant risk, including the loss of principal, and may not be suitable for all individuals. Past performance, whether simulated or actual, is not indicative of future results.

We make no promises, guarantees, or assurances of financial gain or profit as a result of participating in this program. All examples and scenarios provided are for illustrative purposes only.

By enrolling in this program, participants acknowledge and agree that they are solely responsible for their own investment and trading decisions. We strongly recommend consulting with a qualified financial professional before making any actual trading or investment decisions.

