



INVECUS INVESTMENT COURSE

Syllabus Content

COURSE CONTENT

1) Introduction to Financial Markets

- a) Primary market, secondary market, OTC market
- b) Markets: CBOT, S&P 500, Nasdaq, Dow Jones, Nikkei, Eurostoxx 50, Shanghai
- c) Products: stocks, ETFs, Funds, Currencies, Commodities, Bonds, Futures, Options
- d) Agents: retail trader, institutional trader, market maker, dealer, broker. Robots.
- e) Account types: cash account, margin account, IRA account
- f) Expense types: trading fee, management fee, interest charges, dividend fee
- g) Margin types: initial margin, maintenance margin, overnight margin, margin call
- h) What moves markets: expectations

2) Product Features

- a) Stocks and ETFs: structure, commissions and restrictions
- b) Funds: structure, commissions and restrictions
- c) Currencies: structure, commissions and restrictions
- d) Bonds: structure, commissions and restrictions
- e) Derivatives: Options, futures, warrants, CDs, IRS

3) Trading Platform Features

- a) How does it work?
- b) Sections: symbol look up, trade ticket, open positions, account view, order history
- c) Charts and indicators

4) Position & Order types

- a) Long Position (features, restrictions, expenses)
- b) Short position (features, restrictions, expenses)
- c) Orders: Market, Limit, Stop limit, Stop, MOP, MOC & Conditional orders. Validity.
- d) Order Book structure. Bid & ask price. Bid & ask size. Liquidity issues.

5) Investment Strategies

- a) Relative Strength: characteristics, empirical evidence, parameters, performance.
- b) Momentum: characteristics, empirical evidence, performance, parameters.
- c) Mean reversion: characteristics, empirical evidence, parameters, performance. Pump & Dump. HFT & co-location.
- d) Value Investing: characteristics, empirical evidence, parameters, performance.
- e) Portfolio construction: correlation matrix, parameters, risk/reward.
- f) Technical Price Metrics: return, volatility, Sharpe ratio, Sortino ratio, correlation coefficient.
- g) Fundamental metrics: P/E, P/B, P/FCF, Market Cap, Institutional Ownership, Short selling interest, debt, D/E, Revenues

6) Technical Analysis & Powerful Indicators

- a) Introduction. Technical analysis applications.
- b) Fibonacci, RSI and MACD.
- c) Simple and Exponential Moving Averages. Critical periods. How to use them.
- d) Volume and Volume Weight Average Price (VWAP)
- e) Valuation metrics: Shiller P/E Ratio, QE ratio and Advance/Decline Indicator
- f) Price action: blowing stops & magnet effect

7) IT Tools. Applications

- a) Portfolio visualizer & ETF Replay. Backtesting. In sample and out sample.
- b) Market Correlations Matrix webpage. Portfolio Construction.
- c) Forex Factory & Trading Economics. Economic Indicators.
- d) Invecus.com. Financial Markets Research.
- e) Finviz.com. U.S Stock Screener.
- f) Investing.com. Streaming Charts.
- g) Morningstar.com. Fund Screener.
- h) Financial Times.com. Global Stock Screener.
- i) Yahoo finance historical quotes. Excel.
- j) Level II Quotes.com. Level 2 Quotes & Size.
- k) Gurufocus.com. Valuation metrics.
- l) Demos: marketwatch.com (issues), IB demo.

