

Crypto Trading

Intensive course



Course plan

Week 1

- Course 1
- #### Introduction to Cryptocurrencies
- 1.1 Introduction
 - 1.2 Short History of Cryptocurrencies
 - 1.3 Current landscape and Major Coins
 - 1.4 Bitcoin (BTC)
 - 1.5 Ethereum (ETH)
 - 1.6 Other Altcoins
 - 1.7 Cryptocurrencies as an Asset Class
 - 1.8 Holding and Wallets
 - 1.9 Trading and Exchanges
 - 1.10 Mining

- Course 2
- #### How do Cryptocurrencies Work + Understanding the Blockchain
- 2.1 History of Money, Gold and Currencies
 - 2.2 Cryptocurrencies as Decentralized Money
 - 2.3 How does Bitcoin Work Exactly?
 - 2.4 Hashing and Hash Functions
 - 2.5 Ledger
 - 2.6 Blocks and the Blockchain
 - 2.7 Aligning the Incentives
 - 2.8 Role of Miners
 - 2.9 How do other Blockchains/Currencies work?
 - 2.10 Ethereum
 - 2.11 Zcash/Monero/etc
 - 2.12 Issues with Bitcoin and Recent Developments

Week 2

- Course 3
- #### Workshop 1: Hands-on Session
- 3.1 Cryptocurrencies and Security Measures
 - 3.2 Setting up Wallets for Bitcoin
 - 3.3 Setting up Wallets for Ethereum
 - 3.4 Cryptocurrencies Mining in real-time
 - 3.5 Overview of Cryptocurrencies Trading

- Course 4
- #### Cryptocurrencies Investing and Initial Coin Offerings (ICOs)
- 4.1 What is an ICO?
 - 4.2 Macro/Long-term Market Dynamics of Cryptocurrencies
 - 4.3 The Structure of an ICO
 - 4.4 Tentative Valuation Methods
 - 4.5 ICOs, Security Sales and Regulation
 - 4.6 Success and Failure Heuristics
 - 4.7 Good versus Bad ICO example
 - 4.8 Factor Models for Cryptocurrencies Investing
 - 4.9 Case study 1
 - 4.10 Case study 2
 - 4.11 Case study 3

Week 3

- Course 5
- #### Trading Strategies for Cryptocurrencies
- 5.1 Overview of Major Exchanges
 - 5.2 Cryptocurrency Order Types
 - 5.3 Microstructure/Intraday Market Dynamics of Cryptocurrencies
 - 5.4 Arbitrage and Market-Making
 - 5.5 Candle sticks and charts
 - 5.6 Technical analysis

- Course 6
- #### Workshop 2: Hands-on Cryptocurrency Trading
- 6.1 Portfolio assets allocation and rebalancing
 - 6.2 Momentum and Mean Reversion Strategies
 - 6.3 Simulation and Live Trading of Cryptocurrencies 30 min