ROUTE CRYPTO BASIC

Module 1 - Basic concepts

- What is a cryptocurrency?
- Decentralization
- What is Blockchain and how does it work?
- What is Mining?
- What is staking?
- Consensus Mechanisms in Blockchain
- Public, Private, and Hybrid Blockchains
- Blockchain Governance
- Route Crypto Talk_Basic Concepts

Module 2 - Historical Aspects

- The History of Money, from Barter to Blockchain
- The Global Financial System
- The birth of Bitcoin
- The birth of Ethereum
- The ICO bubble
- Megatrends
- The institutional adoption
- Fun fact_Historical prophecies on the birth of Bitcoin
- Fun fact_The Paperwork Crisis of 1967
- Route Crypto Talk_The history of money, from bartering to blockchain
- Route Crypto Talk_Historical aspects

Module 3 - Bitcoin Insights

- How does Bitcoin work?
- What gives Bitcoin its value?
- Bitcoin and money laundering
- What makes Bitcoin secure?
- Bitcoin as a financial instrument
- In-depth analysis_Game theory in Bitcoin
- Route Crypto Talk_Bitcoin Insights

Module 4 - Ethereum Insights

- How does Ethereum work?
- What is a Smart Contract?
- Use cases and applications
- What gives Ethereum its value?
- Ethereum 2.0
- Case Study_The profitability of the Ethereum ecosystem
- Case Study_Total Value Locked and Decentralized Applications
- Route Crypto Talk_Ethereum Insight

Module 5 - Altcoins and alternative Blockchains

- Beyond Bitcoin and Ethereum
- Alternative Blockchains
- Tokens
- Stablecoins
- Memecoins
- Route Crypto Talk_Altcoins and Alternative Blockchains

ROUTE CRYPTO BASIC

Module 6 - Self-custody and security

- Introduction to Security
- Wallets
- Types of Wallets
- Public Key, Private Key, and Seed Phrase
- Online account protection
- Route Crypto Talk_Self Custody and Security

Module 7 – Cryptocurrencies and regulations

- Route Crypto TALK_Cryptocurrencies and regulations
- Route Crypto TALK_UAE regulation framework
- Monthly updates

- The energy issue
- Stablecoins and Regulations
- Central Bank Digital Currencies
- Corporate Cryptocurrencies
- The role of the regulator
- Route Crypto Talk_Geopolitical Aspects

Module 8 – Geopolitics

- The energy issue
- Stablecoins and Regulations
- Central Bank Digital Currencies
- Corporate Cryptocurrencies
- The role of the regulator
- Route Crypto Talk_Geopolitical Aspects

Module 9 – Blockchain in a nutshell

- Episode 1 - Blockchain and Cryptocurrencies
- Episode 2 - Public Keys and Private Keys
- Episode 3 - The Seed Phrase
- Episode 4 - Custodial and non-custodial wallets
- Episode 5 - Blocks and Transactions
- Episode 6 - Validator Nodes and Decentralization
- Episode 7 - The Concept of Double Spending
- Episode 8 - The concept of UTXO
- Episode 9 - The concept of Fork
- Episode 10 - Cryptography and Blockchain
- Episode 11 - The concept of hashing
- Episode 12 - The immutability of blockchain
- Episode 13 - Consensus Mechanisms
- Episode 14 - Miners and Proof of Work
- Episode 15 - The concept of Difficulty Adjustment
- Episode 16 - Validators and Proof of Stake
- Episode 17 - Tokens and Coins
- Episode 18 - Smart Contracts
- Episode 19 - Layer 1 and Layer 2
- Episode 20 - Public Blockchains and Private Blockchains