

Crypto Trading & Markets: Course Preview

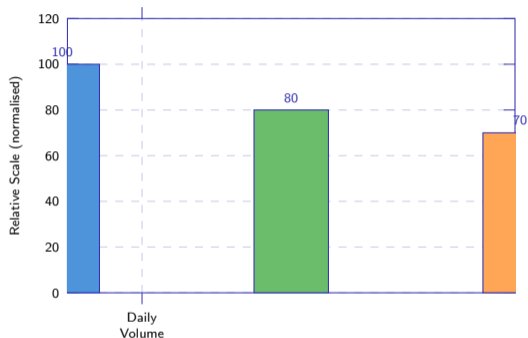
INTRO Preview

Prof. Dr. Joerg Osterrieder

University Lecture Series

February 25, 2026

Why Crypto Trading & Markets Matter



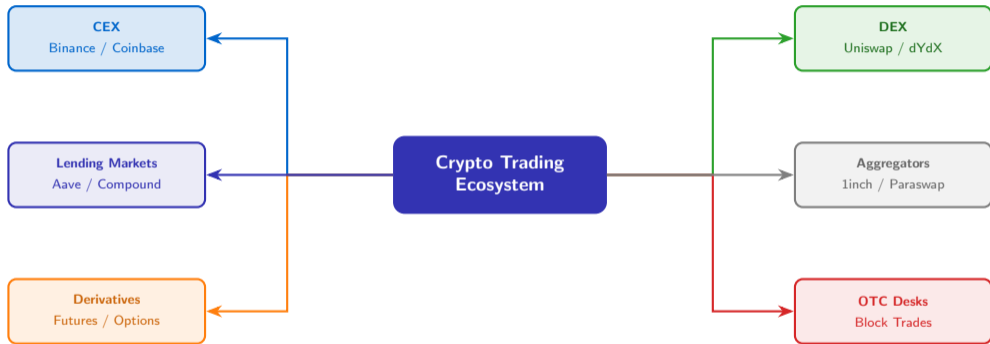
Key Metrics

- ✓ **\$50B+** daily trading volume
- ✓ **500+** active exchanges globally
- ✓ **70%+** algorithmic trading share
- ✓ **24/7/365** continuous operation

markets operate continuously at institutional scale, demanding specialised trading knowledge and tooling.

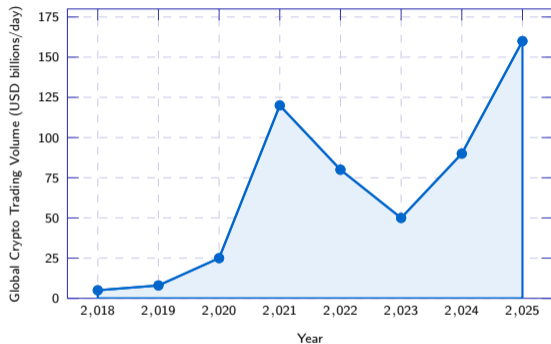
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Trading & Markets Ecosystem at a Glance



The ecosystem spans centralised and decentralised venues, derivatives, OTC, lending, and smart aggregation layers.

Market Growth Trajectory



Growth Drivers

- ✓ **Institutional entry** via ETFs and custody
- ✓ **DeFi expansion** creating new liquidity pools
- ✓ **Algorithmic strategies** scaling market depth
- ✓ **Regulatory clarity** attracting capital

trading volume has grown 30x since 2018, driven by institutional adoption and DeFi innovation.

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Prerequisites

- ✓ Basic blockchain and DeFi knowledge
- ✓ Introductory statistics and finance

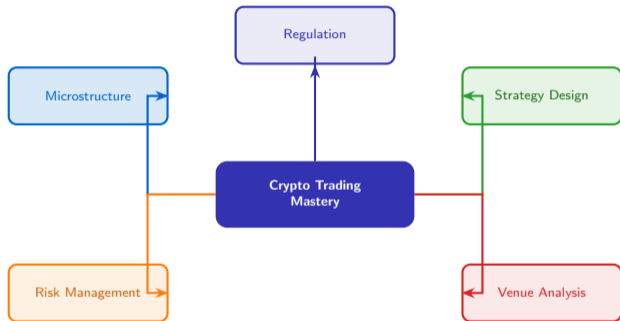
Outcomes

- ✓ Design and backtest crypto trading strategies
- ✓ Evaluate market structures and regulatory risk

From **microstructure fundamentals to regulatory compliance in five interconnected modules.**

Learning Outcomes

- ✓ **Market microstructure** — order books, spreads, liquidity dynamics
- ✓ **Trading strategies** — trend following, arbitrage, market making
- ✓ **Risk management** — VaR, drawdown limits, portfolio optimisation
- ✓ **Venue comparison** — CEX depth vs. DEX AMMs and hybrid routing



By the end you will be able to analyse, design, and evaluate crypto trading systems with professional rigour.