## Nội dung khóa học trên SenFin:

### Quantitative Methods

1. Rates and returns
2. Time value of money in Finance
3. Statistical measures of Asset returns
4. Probability Trees and Conditional Expectation
5. Portfolio mathematics
6. Simulation Methods
7. Estimation and Inference
8. Hypothesis testing
9. Parametric and non-parametric tests of independence
10. Simple linear regression
11. Intro to big data techniques

### Economics

1. Firms and market structures
2. Business cycles
3. Fiscal policy
4. Monetary policy
5. Introduction to Geopolitics
6. International Trade
7. Capital Flows and the FX market
8. Exchange Rate Calculations

### Financial Statement Analysis

1. Introduction to Financial Statement Analysis
2. Analyzing Income Statements
3. Analyzing Balance Sheets
4. Analyzing Cash Flows I
5. Analyzing Cash Flow II
6. Analyzing of Inventories
7. Analysis of Long-term Assets
8. Topics in Long-term Liabilities and Equity
9. Analysis of Income Taxes
10. Financial Reporting Quality
11. Financial Analysis techniques
12. Introduction to Financial Statement Modeling

### Corporate Issuers

1. Organizational Forms, Corporate Issuer Features, and Ownership
2. Investors and Other Stakeholders
3. Corporate Governance: Conflicts, Mechanisms, Risks, and Benefits
4. Working Capital and Liquidity
5. Capital Investment and Capital Allocation
6. Capital Structure
7. Business Models

### Equity Investments

1. Market Organization and Structure
2. Security Market Indexes
3. Market Efficiency
4. Overview of Equity Securities
5. Company Analysis: Past and present
6. Industry and Competitive Analysis
7. Company Analysis: Forecasting
8. Equity Valuation: Concepts and Basic Tools

**Fixed Income**

1. Fixed-income Instrument Features
2. Fixed-income Cash Flows and Types
3. Fixed-income Issuance and Trading
4. Fixed-income Markets for Corporate Issuers
5. Fixed-income Markets for Government Issuers
6. Fixed-income Bond valuation: Prices and Yields
7. Yield and Yield Spread Measures for Fixed-Rates Bonds
8. Yield and Yield Spread Measures for Floating-Rates Instruments
9. The Term Structure of Interest Rates: Spot, Par, and Forward Curves
10. Interest Rate Risk and Return
11. Yield-Based Bond Duration Measures and Properties
12. Yield-Based Bond Convexity and Portfolio Properties
13. Curve-based and Empirical fixed-income risk measures
14. Credit risk
15. Credit Analysis for Government issuers
16. Credit Analysis for Corporate issuers
17. Fixed-income Securitization
18. Asset-backed Security instrument and market features
19. Mortgage-backed security instruments and market features

### Derivatives

1. Derivatives instrument and Derivatives market features
2. Forward Commitment and Contingent claim features and instruments
3. Arbitrage, replication, and the cost of carry in pricing derivatives
4. Pricing and Valuation of forward contracts and for an underlying with varying maturities
5. Pricing and valuation of Future contracts
6. Pricing and Valuation of Interest rates and other Swaps
7. Pricing and Valuation of Options
8. Option replication using put-call parity
9. Valuing a derivatives using a one-period binomial model

### Portfolio Management

1. Portfolio Risk and Return: part I
2. Portfolio Risk and Return: part II
3. Portfolio Management: an overview
4. Basic of portfolio Planning and Construction
5. The behavioral biases of individuals
6. Introduction to Risk Management