List of Ph.D. study program supervisors and doctoral theses topics
Study program: Finance (academic year 2026/2027)

prof. Ing. Jan Pavel, Ph.D. (pavelj@vse.cz)

- Microsimulation modeling of tax and benefit systems
- Economic aspects of public procurement
- Effectiveness of different types of fiscal support for research and development
- Modeling medium- and long-term sustainability of public finance

doc. Ing. Jana Tepperová, Ph.D. (jana.tepperova@vse.cz)

- Personal Income Tax and Social Security Systems national and international context
- Corporate Income Tax

doc. Ing. Veronika Solilová, Ph.D. (veronika.solilova@vse.cz)

- Global effective minimum tax from the perspective of developing countries
- Safe harbours in transfer pricing: Financial Transactions
- BEFIT in the European Union and related issues
- The system of own resources of the EU budget: the Corporate Resource for Europe (CORE)

doc. Ing. Hana Zídková, Ph.D. (hana.zidkova@vse.cz)

- Digitalisation of tax collection
- The impact of VAT on the distortions in international trade
- The impact of VAT on the competitiveness of businesses
- VAT incidence and its impact on tax policy

doc. Ing. et Ing. Quang Van Tran, CSc., Ph.D., M.A. (tran@vse.cz)

- Macroeconomic modeling and its alternatives
- Machine learning and its application in economics and finance
- Asset pricing and its application

doc. Ing. RNDr. Peter Molnár, Ph.D. (peter.molnar@vse.cz)

- Modeling volatility in financial markets
- Cryptocurrencies
- Attention, sentiment, and financial markets
- ESG finance, green finance

doc. Ing. Martin Hodula, Ph.D. (martin.hodula@vse.cz)

- The Interaction between Monetary and Macroprudential Policy
- Macroprudential Measures and Their Effectiveness in Different Phases of the Economic/Financial Cycle
- Geopolitical Risks and Their Impact on the Financial Sector and the Real Economy
- The Role of Shadow Banking in Monetary Policy and Financial Stability
- Fintech and Cryptocurrencies: Impacts of Macroeconomic and Regulatory Shocks

doc. Ing. Karel Brůna, Ph.D. (bruna@vse.cz)

- Structural Changes and Monetary Policy Effectiveness
- Financial Stability and External/Internal Macroeconomic Disequilibrium
- Macroeconomic Consequences of Macroprudential Policy
- Current Account Surplus as a Case of Macroeconomic Disequilibrium
- Interaction between monetary and macroprudential policies
- Liquidity Shocks, Causes and Consequences for Banking Sector
- Capital flows and wealth and income distribution
- Monetary policy revisions in reaction to economic difficulties of the developed economies

doc. Ing. Helena Chytilová, Ph.D. M.A. (helena.chytilova@vse.cz)

- Behavioral economics, financial markets, and stability: experimental analysis of market coordination and crisis phenomena
- Behavioral economics and law: experimental analysis of contractual relationships and compliance with legal obligations
- Central bank independence and trust: behavioral and empirical perspectives on decision-making processes
- Economic and financial literacy and economic policy
- Artificial intelligence and monetary policy: data, expectations, and financial stability

prof. RNDr. Jiří Witzany, Ph.D. (jiri.witzany@vse.cz)

- Application of machine learning in derivatives valuation
- Counterparty credit risk modeling
- Alternative default prediction models
- Advanced approaches to market risk modeling
- Asset volatility modeling and predictions
- Application of Bayesian methods in financial modeling

prof. Ing. Karel Janda, M.A., Dr., Ph.D. (karel.janda@vse.cz)

- Financial Economics of Climate Change or Renewable Energy Resources
- Green Finance
- Credit Guarantees
- Microfinance and Microcredit
- Optimal Credit Contracts in the Theory of Information Asymetry
- Game Theory in Finance
- Microeconomics of Banking

prof. PhDr. Petr Teplý, Ph.D. (petr.teply@vse.cz)

- The Greenium in Sovereign and Corporate Bonds
- Effects of Greenwashing on Stock Markets
- Valuation of ESG Risks in Banking