List of Ph.D. study program supevisors and doctoral theses topics
Study program: Finance (academic year 2025/2026)

prof. Ing. Jan Pavel, Ph.D.

- Microsimulation modeling of tax and benefit systems
- Economic aspects of public procurement
- Modeling medium- and long-term sustainability of public finance

doc. Ing. Jana Tepperová, Ph.D.

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

doc. Ing. Veronika Solilová, Ph.D.

- Global effective minimum tax from the perspective of developing countries
- Safe harbours in transfer pricing
- Determination of arm's length pricing for guarantees between associated entities
- BEFIT in the European Union and its impacts for tax collection in Member States

doc. Ing. Ing. Quang Van Tran, CSc. Ph.D. M.A.

- 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.

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

doc. Ing. Martin Hodula, Ph.D.

- 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.

- 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
- Liguidity 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

prof. RNDr. Jiří Witzany, Ph.D.

- 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, Ph.D.

- 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.

- Green Financial Products
- ESG Risk Assessment in Banking

List of Ph.D. study program supevisors and doctoral theses topics
Study program: Accountancy and Financial Management (academic yeear 2025/2026)

doc. Ing. David Procházka, Ph.D.

- Economic consequences of IFRS adoption [Note: any topic from IFRS; a preferrable focus on emerging countries, but any country- or regional-setting is possible]
- Value relevance of accounting information for capital and debt markets
- Lobbying on accounting standards: patterns, standard-setters reaction, outcomes
- Generative AI, natural language processing and other emerging technologies in accounting (research)
- Specifics of financial reporting in professional sport [Note: preferably European football or US professional leagues]

prof. Ing. Josef Arlt, CSc.

- Interest rates, cost of capital, risk, and their influence on the financial indicators of the company and industry
- Impacts of inflation and other macroeconomic indicators on business performance
- New trends in corporate finance (AI, ESG, etc.)
- Analyses of the property market

doc. Ing. Pavel Svačina, Ph.D.

- Price formation of crypto-assets and its determinants.
- Innovations in business valuation methods, especially, market comparison approach and its applicability in small economies.
- Improvements in valuation of individual assets (tangible/intangible) based on big data analyses.
- Raising funding for new ventures/start-ups - determinants of traditional (VC, business angels) or new (ICO, crowdfunding) channels.
- Innovations brought by machine-learning and large language models into Corporate Finance and Business Valuations.
- Determinants of competitive advantage and survival in business valuation perspective - testing alternative concepts (RBV, Porter, etc.)
- Determinants and pricing in M&A transactions

doc. Ing. Jaroslav Wagner, Ph.D.

- The impact of technology and artificial intelligence on the role of management accounting in the organisation
- Concepts and tools for managing and measuring performance in the context of sustainability/ESG principles
- Motivational functions of performance management and measurement systems in the light of economic and psychological theories