

Thesis themes

Academic Year 2020/2021

Study Programme: Economics

Study program guarantor: prof. Ing. Martin Macháček, Ph.D.

- *If pre-arranged with a given supervisor, another relevant topic can be submitted on student's request*

doc. Antonio Rodríguez Andrés, Ph.D., dep. 156, +420 597 322 272

- Determinants of mental health at individual level
- Socioeconomic determinants of suicide mortality and suicide methods
- The use of business analytics in health care
- The economics of intellectual property rights
- The economics of illegal activities
- Measuring the strength of IPRs protection
- Measuring the knowledge economy: New empirical strategies.

doc. Ing. Jiří Balcar, Ph.D., dep. 156, +420 597 322 291

- Importance of soft skills and psychological traits for labour market outputs
- Beauty economics and its application on the labour market
- Determinants of migration plans and behavior

doc. Ing. Lenka Fojtíková, Ph.D., dep. 120, +420 597 322 132

- The impact of new technologies on trade
- Intellectual property protection as a comparative advantage
- The competitiveness of countries in international trade

prof. Dr. Ing. Jan Frait, ČNB Praha, +420 224 411 111

- Post-crisis global monetary policy and risk-taking in financial markets

prof. Ing. Jaromír Gottvald, CSc., dep. 156, +420 597 322 202

- Wage determinants.
- Unemployment factors analysis in Czech Republic.
- Migration and mobility

doc. Ing. Martina Halásková, Ph.D., dep. 153, +420 597 322 315

- Financing of services of general interest
- Fiscal federalism - theoretical and practical aspects
- Economic and political aspects of corruption

prof. Ing. Jana Hančlová, CSc., dep. 157, +420 597 322 285

- Estimation of stochastic frontier production function and its use for an

evaluation of total factor productivity growth

prof. Ing. Luboš Komárek, Ph.D., MBA, MSc., dep. 156, +420 597 322 412

- Determinants of house prices in central Europe
- The role of asset prices for central banks

doc. Dr. Ing. Jan Libich, dep. 114, +420 597 322 343

- Macroeconomic effects of demographic changes
- The optimal design of pension systems
- Monetary – fiscal policy interactions
- Bank runs and deposit insurance
- Financing tertiary education
- Financial stability and macroprudential policy

prof. Ing. Martin Macháček, Ph.D. et Ph.D., dep. 114, +420 597 322 040

- Assessing the research-teaching links and other problems of education economics
- Assessing the research-teaching links and other problems of education economics

doc. Ing. Aleš Melecký, Ph.D., dept. 114, +420 597 322 153

- Shadow banking around the world – macro perspective
- Financial stability and macroprudential policy
- Behavioral economics - the impact of social, cognitive and emotional factors on the economic decision-making of individuals and institutions

doc. Dr. Ing. Martin Melecký, Ph.D., dep. 114, +420 597 322 284

- Credit risk and credit cycle in the banking sector and international financial markets
- Modelling non-performing loans using non-linear approaches
- Stress testing approached and their application to the banking sectors of transition economies
- Assessing systemic importance of financial institutions
- Institutional structures for financial services supervision in the EU
- Problem bank resolution and its harmonization within the EU
- Macroprudential supervision of financial markets in the Czech Republic and the EU

Professor Bogdan Oancea, Ph.D., bogdan.oancea@faa.unibuc.ro

- Estimating the relative efficiency of education and public health care services provision in EU countries using Data Envelopment Analysis and Stochastic Frontier Analysis
- Higher education and economic growth in EU countries
- Income distribution and income inequality in EU countries
- Building a Consumer Prices Index using web scrapping techniques

- Economic forecasts using Big data techniques

prof. PhDr. RNDr. Stanislav Polouček, CSc., dep. 114, +420 597 322 480

- Changes in financial (banking) sector structure (expected in connection with adopting the euro, raised by joining the EU or the EMU)

doc. Ing. Richard Pospíšil, Ph.D., +420 732 285 453, richard.pospisil@upol.cz

- The economic and legal aspects of independence of Czech National Bank in relation to future membership of the Czech Republic in the Euro area
- The analysis of monetary policy of Czech National Bank in times of economic crisis and before the Czech Republic entry into Euro area
- The instruments of the European Union to restore and maintain the fiscal discipline

doc. Ing. Mariola Pytliková, Ph.D., dep. 156, +420 597 322 406

- Wage inequality – trends and factors affecting wage inequality
- Determinants of international migration
- Labour diversity and its effects on wages, labour turnover and firm outcomes
- Immigrants, ethnic diversity and Foreign Direct Investment (FDI)
- Segregation on the labour market – demographic, education and ethnic segregation on the labour market
- Gender differentials on the labour market
- Immigrants, ethnic diversity and innovation in firms
- Foreign labour – wages and employment of foreigners, and their effects on firm performance
- The role of immigrants and ethnic diversity in trade creation
- The effects of emigration on sending countries
- The effects of immigration on receiving countries
- Inter-regional migration

doc. Ing. Michaela Staníčková, Ph.D., dep. 120, +420 597 322 230

- Economic resilience and adaptability of the territory to external shocks
- Competitiveness of selected countries and regions in a globalized economy
- Spatial patterns of socio-economic differentiation and progressiveness of the territory
- Regional development and regional disparities
- Development potential and regional specialization as a competitive advantage of the territory
- Territorial dimension of social inequalities

prof. Ing. Jan Sucháček, Ph.D., dep. 118, +420 597 322 229

- Spatial dimension of transition processes
- Institutions and regional development
- Urban and regional development
- Causes and manifestations of territorial disparities

prof. Ing. Stanislav Šaroch, Ph.D., Stanislav.Saroch@savs.cz

- Sovereign debt and its possible restructuring framework in the Eurozone
- The concept of social market economy in the economic theory and its possible interpretation for current European economy

doc. RNDr. Milan Šimek, CSc., dep. 156, +420 597 322 402

- The Labour Market Policy in the Czech Republic

prof. Ing. Jan Široký, CSc., dep. 117, +420 597 322 483

- Tax incidence: Theoretical concepts and practical application

doc. Ing. Petr Tománek, CSc., dept. 153, +420 597 322 362

- Financial management of territorial self-government units (Hospodaření územních samosprávných celků)

doc. Ing. Iveta Vrabková, Ph.D., dep. 153, +420 597 322 306

- Technical and allocation efficiency production processes in the public sector
- Latent performance factors of the public programs
- Causality of the non-complex markets in the healthcare
- Impact of socio-economic factors on the concentration and deconcentration of the supply of public goods

Study Programme: Finance

Study program guarantor : prof. Ing. Tomáš Tichý, Ph.D.

- *If pre-arranged with a given supervisor, another relevant topic can be submitted on student's request*

doc. Ing. Miroslav Čulík, Ph.D., dep. 154, +420 597 322 471

- Application of advanced real options in financial decision-making of companies

prof. Dr. Ing. Dana Dluhošová, dep. 154, +420 597 322 041

- Application of value-based measurements in performance analysis of companies and comparison with sectors

doc. RNDr. Ing. Miloš Kopa, Ph.D., dep. 154, +420 597 322 015

- Advanced dynamic portfolio optimization models with stochastic dominance constraints
- Investor's preference modelling with stochastic dominance

doc. Ing. Aleš Kresta, Ph.D., dep. 154, +420 597 322 173

- Advanced approaches to portfolio theory problems
- Development of advanced risk measurement methods
- Financial time series modelling and prediction
- Verification of efficient-market hypothesis
- Forecasting of firm specific variables using hybrid models

prof. Ing. Lumír Kulháněk, CSc., dep. 156, +420 597 322 338

- Capital markets integration and international portfolio diversification

doc. Ing. Aleš Melecký, Ph.D., dep. 114, +420 597 322 153

- Identification of housing market bubbles
- Analysis of irrational behavior in stock markets – Behavioral approach
- Financial stability and prudential policy
- Macroeconomic and banking determinants of shadow banking growth around the world

Dr. Sergio Ortobelli, dep. 154, +420 597 322 015

- Credit risk management of large portfolios
- Optimization models at financial markets

prof. Ing. Jan Široký, Ph.D., dep. 117, +420 597 322 483

- Macroeconomic context of parameter changes in selected tax institute
- Quantification of tax incidence of selected tax
- Quantification of selected personal income tax institute
- Impact of tax legislation changes on financial decision making of business entity

- Influence of tax burden on location of permanent establishment of business entity

prof. Ing. Tomáš Tichý, Ph.D., dep. 154, +420 597 322 336

- Advanced approaches to risk management in corporate finance
- Advanced approaches to risk management in financial institutions –
- Quantitative techniques in corporate finance optimization

Study Programme: Economy and Management

Chairman of the Branch Committee: prof. Ing. Jan Sucháček, Ph.D.

- *If pre-arranged with a given supervisor, another relevant topic can be submitted on student's request*

doc. Ing. Dagmar Bařinová, Ph.D., dep. 117, +420 597 322 223

- Personal Bankruptcy and its Economic and Social Impact on the Debtor

prof. Dr. Mgr. Ing. Alexander Bělohlávek, dep. 119, +420 597 322 201

- Economic criteria for determining the method for settlement of international commercial disputes
- The method of settlement of disputes as qualitative aspect for assessing the value of a commercial case
- Center of Main Interest (COMI) from the viewpoint of European law as a means for determining business management strategy
- Risk factors in managing business from the perspective of the application of the Rome I Regulation
- Risk factors in managing business from the perspective of the application of the Brussels I Regulation

doc. Ing. Alzbeta Bieliková, Ph.D., dep. 117, +420 597 322 125

- The impact of international taxation and the national tax system on the development of business activities in the Czech Republic

doc. Dr. Ing. Pavel Blecharz, dep. 152, +420 597 322 233

- Use of Design of Experiments (Taguchi Approach) in Service Industry

doc. Ing. Martina Halásková, Ph.D., dep. 153, +420 597 322 315

- Management of organisations of the non-government non-profit sector

prof. Ing. Jana Hančlová, CSc., dep. 157, +420 597 322 285

- Estimation and application of Stochastic Frontier Analysis for evaluation of productivity efficiency for companies
- Formulation and application of new hybrid DEA models to assess the performance of decision making units

doc. Ing. Pavla Horváthová, Ph.D., dep. 115, +420 597 322 442

- Human resource management as a tool for increasing competitiveness of the organization
- Management of key positions and employees
- Application of talent management system in the enterprise

doc. Ing. Lenka Kauerová, CSc., dep. 116, +420 597 322 484

- Culture Dynamics in Assessing Global Markets

- Brands in International Markets

doc. RNDr. Jaroslav Koutský, Ph.D., dep. 118, Jaroslav.Koutsky@ujep.cz

- Branch Economic Specialization in Organisational and Spatial Perspective
- Economic Entities and Transformation and Restructuring Processes

doc. Ing. Jindra Peterková, Ph.D., kat. 152, klapka 2337

- Innovative approaches in business administration and management (Specifics of implementation and management of innovation activities of selected enterprises (small, medium and large enterprises) in selected industrial sectors; Influence of digitalization on business administration and management in selected processes; Managing innovation activities through innovation concepts; Verification of the possibility for application of the TRIZ method in business management)

doc. Ing. Lukoszová Xenie, Ph.D., dep. 152, +420 597 322 162

- Supply Chain Management
- Modern Purchasing Directions in the Enterprise

doc. Ing. Pavla Macurová, CSc., dep. 152, +420 597 322 253

- Supply chain resilience

doc. Ing. Marie Mikušová, Ph.D., dep. 115, +420 597 322199

- Crisis management in theory and practice
- Family Business

prof. Bogdan Oancea, Ph.D., bogdan.oancea@faa.unibuc.ro

- Predictive Analytics Models used in Marketing
- Customer Segmentation and Predictive Modeling

doc. Ing. Vojtěch Spáčil, CSc., dep. 116, +420 597 322 515

- Customer Satisfaction Measurement
- Customer Typology
- Intergenerational Differences in Consumer Behaviour

prof. Ing. Jan Sucháček, Ph.D., dep. 118, +420 597 322 229

- Firm location
- Enterprises and spatial structures
- Spatial aspects of innovations

doc. Ing. Martin Svoboda, Ph.D., Masarykova univerzita Brno, martin.svoboda@econ.muni.cz

- Structured Financial Products
- Investor behavior from the perspective of behavioral finance

prof. RNDr. Dana Šalounová, Ph.D., dep. 155, +420 597 322 522

- Applications of Statistical Methods in Marketing Research
- Efficiency in Health Care – a DEA Approach

prof. Ing. Jan Široký, CSc., dep. 117, +420 597 322 483

- Tax incidence: Theoretical concepts and practical application

prof. Mehdi Toloo, Ph.D., dep. 152, +420 597 322 009

- Robust Data Envelopment Analysis problem
- Inverse Data Envelopment Analysis problem
- Data Selection in Data Envelopment Analysis
- Discriminant Analysis and Data Envelopment Analysis

doc. Mgr. Ing. František Zapletal, Ph.D., dep. 157, +420 597 322 255

- Application of optimization and multi-criteria decision making methods at companies

prof. Dr. Ing. Zdeněk Zmeškal, dep. 154, +420 597 322 421

- Application of the multi-attribute decomposition decision-making method in management and business administration