

Dissertation thesis topic	Perception of fiscal integration in the European Union
Annotation	In recent years the development of the European integration has been influenced not only by the recession and stagnation in European economies, but also by other factors, which raises concern about further progress of integration processes. It is obvious that the current state of economic integration within the Eurozone requires the completion of the fiscal union, even though it can take up different concrete forms. However, the completion of fiscal union must be based on the support of the process coming from the member countries and their citizens. Based on the state of the art (e.g. Alesina et al (2012), Eggertsson, G. B., & Krugman, P. (2012)., De Grauwe (2013)) using the secondary data sources (e.g. from Eurobarometer), the dissertation research will focus on the analysis of factors, which determine the support/or the lack of it of further progress of fiscal integration among EU citizens. Based on the analysis carried out, generalizations will be made so as to contribute to the discussion on the progress towards such fiscal union, which would be acceptable for EU member countries and for their citizens.
Mode of study	full time
Supervisor	prof. Ing. Anetta Čaplánová, PhD.
Study programme	Economic Theory
Dissertation thesis topic	Measuring welfare across countries and time beyond GDP
Annotation	Based on the recent paper by Jones and Klenow (2016), on the results of the international projects WWW(Work, Welfare and Wealth)for Europe and the papers by Lábaj – Luptáčík – Nežinský (2014), (2016) the aim of the study is to contribute to the discussion on measuring of welfare beyond GDP by the following two steps: First, applying the non-parametric approach of efficiency and productivity analysis both approaches (Jones – Klenow vs Labaj – Luptacik- Nezinsky) and results should be compared and the differences elaborated. Using the Malmquist or Luenberger index the changes of welfare over time should be estimated. In the second step, additionally to the indicators used by Jones and Klenow (2016) the indicators of environmental quality should be included in a welfare measure.
Mode of study	full time
Supervisor	Univ. prof. i. R. Dipl. Ing. Dr. Mikuláš Luptáčík
Study programme	Economic Policy
Dissertation thesis topic	Role of domestic consumption in a very small and open economy
Annotation	Domestic consumption is an important component of final consumption and it is therefore relevant to ask, what effects generates on value-added, employment and what is its import demand. Comparing multipliers of employment, value-added and import with the multipliers of external consumption (export) gives us a deeper insight into the structure of a small open economy and gives an answer to the role of domestic consumption for the economy. Comparing these results to different time periods, by the structural decomposition, can provide important information and view on the factors explaining the observed changes of the relevant variables in the economy.
Mode of study	full time
Supervisor	Univ. prof. i. R. Dipl. Ing. Dr. Mikuláš Luptáčík
Study programme	Economic Policy
Dissertation thesis topic	The implications of automatization for economic growth and income inequalities
Annotation	Recently, a growing number of research papers deals with potential economic and social consequences of automatization, digitalization and Industry 4.0. This thesis should contribute to current state of research in this field with an enquiry of the consequences of automatization for economic growth and income inequalities. It should build upon recently published theoretical and empirical work (e.g. Prettner, 2017; Prettner – Strulik, 2017; Acemoglu, D. – Restrepo, P. 2017; Graetz, G. - Michaels, G. 2015) that extended basic growth models for automatization with policy implications. The thesis focuses on empirical assessment of theoretical hypotheses implied by these studies, aiming at providing new evidence for policy makers.
Mode of study	full time
Supervisor	doc. Ing. Martin Lábaj, PhD.
Study programme	Economic Policy

Dissertation thesis topic	Entry and competition: empirical analysis of networks
Annotation	The importance of location and entry/exit barriers as determinants of market structure and firm performance is well recognized. Research in Industrial Organization has successfully investigated the context in which firms strategically make entry and exit decisions and endogenously deter entry of rivals to retain market power over time and reduce competitive pressure. The proposed PhD. thesis is based on an approach pioneered by Bresnahan and Reiss (1991). Recently Lábaj et al (2018a) and Lábaj et al (2018b) analyzed several business services in the Slovak economy based on this approach. The novel feature of the proposed thesis relates to the endogeneity of market structure in the relationship between branch expansion and competition. The placement of branches is a crucial strategic variable and, as argued forcefully by Ellickson et al (2013), traditional entry models are ill suited for modelling these strategic interactions between rivalling firm networks. Following a recent study by Aguirregabiria and Vicentini (2016), the proposed thesis aims at exploring the potential competitive effects of branch expansion in space.
Mode of study	full time
Supervisor	doc. Ing. Martin Lábaj, PhD.
Study programme	Economic Policy
Dissertation thesis topic	Evaluation of research funding in Slovak republic
Annotation	Research is one of the most important factors influencing future economic growth, and is therefore strongly supported by public policies. At the same time, however, the volume of public resources is limited, therefore, an increasing emphasis is also placed on the evaluation of the efficiency or usefulness of the used resources. However, a proper evaluation, especially in the field of research, is very complicated and demanding. The given work will therefore deal with the evaluation of the selected support measure for research in the SR.
Mode of study	full time/part time
Supervisor	doc. Mgr. Miroslav Šipikal, PhD.
Study programme	Public Administration and Regional Development
Dissertation thesis topic	Impact of FDI in automotive industry on regional innovation systems in Slovak Republic
Annotation	The automotive industry has become the dominant force in the economic growth of the Slovak Republic in the past 20 years with a significant impact on exports or employment. Much less explored is its impact on the creation and implementation of innovation and the overall integration of FDI from this sector into innovation systems at national or regional level. Therefore, we will analyze this impact in the work, in particular through the impact on local innovation actors such as universities or research institutes.
Mode of study	full time/part time
Supervisor	doc. Mgr. Miroslav Šipikal, PhD.
Study programme	Public Administration and Regional Development
Dissertation thesis topic	The impact of policy making processes on shaping cohesion policy
Annotation	Research will consists of two mutually related parts which aim to demonstrate importance of policy-making for final shape of Cohesion policy. The first part of the research will deal with the policy-making process at the EU level to show how interinstitutional dynamics shapes the reform elements, particularly through strengthening the governance principles. The second part of the research deals with the policy-making processes at the national level, in Slovakia. This part will analyze how the reform elements are further shaped through horizontal and vertical policy-making processes which also include the European Commission.
Mode of study	full time/part time
Supervisor	doc. Mgr. Miroslav Šipikal, PhD.
Study programme	Public Administration and Regional Development
Dissertation thesis topic	The changes in financial intermediation and their effect on the systemic risk in the banking sector

Annotation	<p>Traditional textbook approach to the role of the banking sector as the main role being its financial intermediation has changed mainly after the global crisis. In the real world, banks provide financing through money creation. This means creating deposits of new money by lending. Doing so their main constrain is profitability and solvency.</p> <p>The content of the dissertation thesis should include a description of processes and businesses that shape bank balance sheets. Then structural changes in balance sheets resulting from changes in financial intermediation will be identified and looked whether they are linked to systemic risk in the banking sector (measured e.g. by SRISK measure) using panel data models across banks (following Bats and Houben, 2017).</p> <p>The overarching hypothesis of the dissertation thesis is that changes that have happened in the banking sector in the area of financial intermediation have effect on the systemic risk in the banking sector.</p> <p>Research of the thesis shall partially be elaborated in relation to the project within the scheme Horizon2020, Working package 2 – Big Data Research Platform, Block 3, Systemic Risk Models, which is in currently preparation.</p>
Mode of study	full time/part time
Supervisor	doc. Ing. Lubomíra Gertler, PhD.
Study programme	Finance and Banking
Dissertation thesis topic	Tax Challenges Arising from Digitalisation of the Economy
Annotation	<p>Digital forms of business make several times more profits than traditional forms, yet their profits often escape taxation in the country where they were created. Several countries, including the Slovak Republic, have taken unilateral measures, and the European Commission has proposed joint measures (EC, 2018a, 2017a, b). Such isolated solutions may, however, lead to undesirable phenomena, such as double taxation, a conflict with bilateral tax treaties, tax disputes and a drop in the competitiveness of active nations. Taxation of digital platform profits requires a coordinated approach by all countries to reform the traditional rules of international taxation and a global consensus (OECD, 2015, 2018).</p> <p>The aim of this dissertation is to quantify the importance of factors contributing to value creation in digital forms of business and substantial presence in chosen country, and to contribute to the formulation of scientifically validated globally acceptable rules for the determination of the digital platform's nexus, its taxable income, rules for the allocation of profits among taxing jurisdictions and the legal rules for their enforcement on a global level.</p> <p>It is possible to build on the previous studies, e.g. Hellerstein, W, (2000), Bacache, M. et al (2015), Basu, S. (2016), whereas recommended methods of quantitative analysis are in particular factor analysis (Afifi, A. et al., 2012) and network analysis (Wasserman, S., Faust, K. 1994; Estrada, E.; Luke, DA, 2015).</p>
Mode of study	full time/part time
Supervisor	doc. Ing. Jana Kubicová, PhD.
Study programme	Finance and Banking
Dissertation thesis topic	Experimental Investigation on Risk Taking for Others
Annotation	<p>In economics and finance a 'decision maker' is usually modeled as an individual. When examining risk attitudes, research is mainly focused on the perception of individual's risk. Is our willingness to take risks different if the outcome of the procedure can affect other colleagues, employees, family members?</p> <p>Experimental economics provides a suitable tool for studying behavior of individuals and teams under controlled conditions and allows for causal inference by implementing an exogeneous ceteris paribus variation in the studied factors. The current dissertation project employs experimental economics methods to systematically investigate impact factors on behavior of individuals and its influence on organizational and financial decisions in a market context. Fehr, a Schmidt (1999), Bolton et. al (2005), Bursztyn, et.al (2014).</p>
Mode of study	full time
Supervisor	doc. Ing. Jana Péliová, PhD.
Study programme	Finance and Banking
Dissertation thesis topic	Financial behaviour of households and its effects on financial stability
Annotation	<p>The rise in household indebtedness, the stagnation in concluding life insurance contracts as well as other aspects of household behavior in the Slovak Republic point to changes in fundamental paradigms in household finance. The doctoral thesis analyzes the current state of art in the research of household finance with an emphasis on behavioral aspects in decision-making of individuals / households on financial issues with an impact on the financial stability of the country.</p>
Mode of study	full time
Supervisor	prof. Ing. Erika Pastoráková, PhD.
Study programme	Insurance