



**SILESIA  
UNIVERSITY**  
SCHOOL OF BUSINESS  
ADMINISTRATION IN KARVINA

## **Themes of dissertation thesis for the academic year 2019/2020**

**Supervisor: doc. Ing. Pavla Klepková Vodová, Ph.D.**

**Topic of dissertation: Modelling the market of loans for nonfinancial companies in the Czech Republic**

**Goal:** The aim of the thesis is to apply the disequilibrium model on the market of loans for nonfinancial companies in the Czech Republic, to find out determinants of demand and supply and to estimate the level of equilibrium or disequilibrium on this market.

**Supervisor: doc. Ing. Jan Nevima, Ph.D.**

**Topic of dissertation: The evaluation of the firm's competitiveness in the regional context**

**Goal: the quantitative analysis of internal and external aspects of firm's competitiveness and defining a proposal to maintain and increase of its competitiveness. The thesis can deal with the area of supra-regional aspects of firm's competitiveness.**

**Supervisor: prof. RNDr. Jaroslav Ramík, CSc.**

**Topic of dissertation: Methods of multi-criteria and group decision making in the area of management**

**Goal:** Research of possibilities of application of methods of multi-criteria and group decision making in the Czech small and medium sized companies in the area of marketing and management on particular decision making problems.

**Supervisor: doc. Ing. Petra Růčková, Ph.D.**

**Topic of dissertation: Functional dependence of profitability and used financial sources in firms in selected business branches in the Czech Republic**

**Goal:** The goal of this article is to perform an analysis by means of panel regression and correlation and, based on this, to find the impact of profitability on the use of debt financial sources in selected companies in aggregated business branches in the Czech Republic. Sample of companies is aimed at large and medium size of companies. Reason for this choice such as fact it that those companies have better access to external capital. It will be interesting to find out whether the same functional dependence exists in all business branches or it is different. Opposite relation will be investigated, too. Meaning how rate of using of debt financing will impact profitability.

**Supervisor: doc. Mgr. Petr Suchánek, Ph.D.**

**Topic of dissertation: Business intelligence as a support for effective management**

**Goal:** The main objective of the dissertation is to evaluate existing and propose new business intelligence options to support decision making in selected types of enterprises and business areas and to verify their effectiveness, especially economic, in practice.

**Supervisor: doc. Ing. Jarmila Šebestová, Ph.D.**

**Topic of dissertation: Flexibility of strategy in a small and medium sized enterprises**

**Goal:** Main goal is to evaluate strategic preparedness of a small and medium sized enterprises (SMEs) according to dynamic changes in business environment. Added value of this thesis is find a relationship between optimal resource use and strategy thinking which could affect flexible behaviour of SMEs (based on VRIO, SCP, SSP resource-based strategy models).

**Supervisor: doc. RNDr. Ing. Roman Šperka, Ph.D.**

**Topic of dissertation: Simulation models and their use for decision support in business practice**

**Goal:** The goal of the dissertation thesis is to define and design simulation models of business environment and selected business processes for decision support with emphasis given on management and marketing. Simulation models will incorporate multiagent systems. Simulation results will be verified by means of changing different parameters of simulation experiments.