

DEPARTMENT OF ECONOMICS AND MANAGEMENT

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Head of Department

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I. STAFF

Professors	Prof. Ing. Ladislav Andrášik, DrSc.
Associate Professors	Doc. Ing. Ľubomír Jemala, PhD., Doc. Ing. Milan Horniaček, PhD.,
Visiting Associate Professor	Doc. Ing. Anna Maďaričová, PhD., Doc. Ing. Jaroslav Zajac, PhD.
Assistant Professors	Doc. Ing. Ivan Figura, PhD. Ing. Andrea Andrášiková, PhDr. Tatiana Arbe, Ing. Ľudmila Fabová, PhD., Ing. Mária Hranaiová, PhD.,
Visiting Assistant Professor	Ing. Edita Jančíková, PhD., Ing. Miroslav Belica, PhD.
Research Worker	PhDr. Marta Brinzová, Ing. Milan Materák, Ing. Mgr. Milan Potančok
Technical Staff	Daniela Pintérová (secretary)
PhD. Students	Ing. Ľuboš Horka, Ing. Branislav Mišota, Ing. Marián Stenclák

II. EQUIPMENT

- Servers for Internet
- Virtual Laboratory for Strategic Experimentation

III. TEACHING

III.1 Undergraduate Study (Bc.)

Subject, semester, hours per week for lectures and for seminars or practical exercises, name of lecturer

Economics	(1st sem., 3-2h)	M. Horniaček M. Hranaiová
Management of Pre-production Phases	(7th sem., 2-2h)	Ľ. Jemala
Management	(8th sem., 2-2h)	Ľ. Jemala
Economic and Legal Principles in Telecommunications	(6th sem, 2-3h)	M. Materák
Small Business Entrepreneurship	(8th sem., 2-2h)	M. Belica

Every student had to choose during their studies (from 1st to 6th sem.) one subject from the following economic and social sciences:

Philosophy	(1-2h)	M. Brinzová
History	(1-2h)	A. Maďaričová
Politolology	(1-2h)	A. Maďaričová M. Potančok

Banking and Stock Exchange	(1-2h)	Ľ. Fabová
International Economics	(1-2h)	M. Horniaček

III.2 Graduate Study (Ing.)

Financial Management	(1st sem., 2-2h)	L. Andrášik
Marketing	(1st sem., 3-0h)	J. Zajac
Theory of Modelling of Economic Systems	(1st sem., 2-2h)	L. Andrášik
Informatics in a Firm	(1st sem., 3-2h)	J. Zajac
Game Theory and Decision-Making	(1st sem., 2-2h)	M. Horniaček
Business Economics and Management	(1st sem., 2-2h)	T. Arbe
Management	(2nd sem., 2-2h)	Ľ. Jemala
Accounting	(2nd sem., 2-3h)	E. Jančíková
International Business	(2nd sem., 2-2h)	T. Arbe
Simulation of Economic Systems	(2nd sem., 2-2h)	L. Andrášik

IV. RESEARCH PROJECTS

- Contractual Relations and Increasing of Ability to Compete in the Conditions of European Integration. G 1/223/04, L. Andrášik
- Proposal Number 513396: NoE DIME, particular number 32

V. COOPERATION

V.1 Cooperation in Slovakia

- Institute of Slovak and World Economics, Slovak Academy of Sciences, Bratislava
- Economic University, Bratislava
- Institute of Philosophy, Slovak Academy of Sciences, Bratislava
- Agricultural University, Nitra

V.2 International Cooperation

- Faculty of Industrial Organisation and Management, Silesian Technical University, Gliwice, Poland
- University of Wisconsin - Whitewater, USA
- University of Defence, CzR
- IIASA Laxenburg, Austria
- Budapest University of Technology and Economics, Budapest, Hungary
- University of Technology, Pilsen, CzR

VI. THESES

VI.1 Masters Theses

Masters theses written as part of 5-year-study plan supervised at the Department of Economics and Management. The names of supervisors are in brackets.

- [1] V. Bražina: The process of implementation of ERP systems in business management of small and medium-size firms (L. Jemala)
- [2] O. Buranský: Price, taxes arbitrage, portfolio and chaos (J. Zajac)
- [3] J. Pataky: Voting games (M. Horniaček)

VII. OTHER ACTIVITIES

- L. Andrášik: Eindhoven University, the Netherlands
- L. Andrášik: Strasbourg University, BETA, Strasbourg, France

VIII. PUBLICATIONS

VIII.1 Journals

- [1] ANDRÁŠIK, L.: How and Why Do Economic Sails Work? In: EuroReport. - Vol.8, No.3 (2005) - pp. 66-67. (in Slovak)
- [2] ANDRÁŠIK, L.: Are we Going to Develop Knowledge Communism in Slovakia, too? In: EuroReport. - Vol.8, No.2 (2005) - pp. 62-63. (in Slovak)
- [3] ANDRÁŠIK, L.: What Should We Do First: Accept or Give Out? That Is the Question! In: EuroReport. Vol.8, No.4 (2005) - pp. 66-67. (in Slovak)
- [4] ANDRÁŠIK, L.: How Much Outs and Hay to Strassbourg (Brussels) and How Much to Waterhill Variety Show? In: EuroReport. - Vol.8, No.6 (2005) - pp. 56-57. (in Slovak)
- [5] ANDRÁŠIK, L.: The Irresponsible Responsible? In: EuroReport. - Vol.8, No.10 (2005) - pp. 70-71. (in Slovak)
- [6] ANDRÁŠIK, L.: Splendid Life ... in Slovak Republic ? In: EuroReport. - Vol.8, No.1 (2005) - pp. 70-71. (in Slovak)
- [7] ANDRÁŠIK, L.: System Thinking and the Progress of Society. In: EuroReport. - Vol.8, No.7-8 (2005) - pp. 76-77. (in Slovak)
- [8] ANDRÁŠIK, L.: Using of Software STELLA for Simulation Experiments in Energetics. In: EE - časopis pre elektrotechniku a energetiku. - Vol.11, No.4 (2005) - pp. 47-48. (in Slovak)
- [9] FABOVÁ, E.: The Position of the V4 Countries in European Union. In: Biatic. - Vol.13, No.8 (2005) - pp. 10-12. (in Slovak)
- [10] HORNIAČEK, M.: Markovian Strategies and Effectiveness of Multilateral Bargaining. In: Ekonomika i matematicke metody. - Vol.41, No.3 (2005), - pp. 80-87.
- [11] JEMALA, E.: How to Name of Bridges. In: Pravda. - Vol.15, No.59 (2005) - p. III. (in Slovak)
- [12] JEMALA, E.: It Is Missing New Managerial Blood. In: Sme. - Vol.14, No.234 (2005) - p. 12. (in Slovak)
- [13] JEMALA, E.: Lisbon Strategy for the Slovak Republic: Competitiveness from the Aspect of Knowledge Management and Marketing Development. In: Parlamentný kuriér. - No.129 (2005) - pp. 54-57. (in Slovak)

- [14] JEMALA, L.: Milan Rúfus at His Best. In: Zrno. - Vol.16, No.48 (2005) - pp. 32-33. (in Slovak)
- [15] JEMALA, L.: Social and Ecological Dimension of Management. In: Moderní řízení. - Vol.40, No.11 (2005) - pp. 18-19. (in Czech)
- [16] JEMALA, L.: Integration of the Cultures. In: Katolícke noviny. - Vol.120, No.39 (2005) - p. 16. (in Slovak)
- [17] JEMALA, L.: A Hundred Years of Wireless Telegraphy and Jozef Murgaš. In: Slovo. - Vol.7, No.7 (2005) - p. 10. (in Slovak)
- [18] JEMALA, L.: Inventor Joseph Murgas and a Hundred Years of Radiotelegraphy. In: Spektrum. - Vol.43, No.8 (2005) - pp. 16-17. (in Slovak)
- [19] JEMALA, L.: It Doesn't Go without Vision. In: Pravda. - Vol.15, No.151 (2005) - p. 11. (in Slovak)
- [20] PINDA, L., HORKA, L., MIŠOTA, B.: Multi-Agent Simulation of Economy. In: Strategski menadžment. - Vol.10, No.3 (2005), - pp. 21-23. (in English)
- [21] ZAJAC, J.: Preferences Analysis, Transactions, and Volatility. In: The Journal of Risk Finance. - Vol.6, No.3 (2005) - pp. 251-266. (in English)
- [22] ZAJAC, J.: The Extensive Form of Imperfect Information and Failure Markets with Risk Decision. In: WSEAS Transactions on Environment and Development. - Vol.1, No.1 (2005) - pp. 140-143. (in English)

VIII.2 Conferences

- [1] ANDRÁŠIK, L.: Advanced System Thinking Promoted by Artificial Intelligence in Company Management. In: Factors of Company Prosperity in the Conditions of European Agrarian Market : Nitra, Slovak Republic, 22.9.2005. pp. 7-13. (in Slovak)
- [2] ANDRÁŠIK, L.: The EU-15 versus EU-25 Compete Global Economic Environment. In: International Conference "EU's Ability to Compete in Global World before and after Enlargement" : Bratislava, Slovak Republic, 16.6.2005. pp. 6-33. (in English)
- [3] ANDRÁŠIKOVÁ, A.: EU Ability to Compete: Lisbon Dreams and Reality of the Years after Enlargement. In: International Conference "EU's Ability to Compete in Global World before and after Enlargement" : Bratislava, Slovak Republic, 16.6.2005. pp. 34-47. (in English)
- [4] ARBE, T.: Activity of European Union and Slovak Republic Cultivate of Small Companies. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 6-20. (in Slovak)
- [5] ARBE, T.: European Small Enterprises and Competition of New Members. In: International Conference "EU's Ability to Compete in Global World before and after Enlargement" : Bratislava, Slovak Republic, 16.6.2005. pp. 48-53. (in English)
- [6] ARBE, T.: Progressive Income Taxation. In: 7th Conference for PhD Students ELITECH 2005 : Bratislava, Slovak Republic, 9.2.2005. pp. 59-60. (in English)
- [7] BAČOVÁ, I., GRELL, M., MAJIRSKÝ, M., MIŠOTA, B., RAKOVSKÁ, E.: Small Company Information Systems and the European Union. In: Conference : Liberec, Czech Republic, 7.4.2005. CD-Rom. (in Slovak)

- [8] BRINZOVÁ, M.: Philosophy as a Therapy of Reductionalism. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 9-14. (in Slovak)
- [9] BRINZOVÁ, M.: Do the Knowledge Society Need Philosophy ? In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 21-35. (in Slovak)
- [10] FABOVÁ, E.: Competitiveness of the European Union and Countries of the V4. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 36-46. (in Slovak)
- [11] FABOVÁ, E.: V4 Countries after the Accession to European Union. In: Factors of Company Prosperity in the Conditions of European Agrarian Market : Nitra, Slovak Republic, 22.9.2005. pp. 422-426. (in Slovak)
- [12] HORKA, E.: Competitiveness among Entities in Multi-Agent System. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 47-53. (in Slovak)
- [13] HORKA, E.: Multi-Agent Simulations: Competition among Entities. In: International Conference "EU's Ability to Compete in Global World before and after Enlargement" : Bratislava, Slovak Republic, 16.6.2005. pp. 96-103. (in English)
- [14] HORKA, E., MIŠOTA, B.: Agriculture as Part of Multi-Agent Simulation Model. In: Factors of Company Prosperity in the Conditions of European Agrarian Market : Nitra, Slovak Republic, 22.9.2005. pp. 432-436. (in Slovak)
- [15] HORKA, E., MIŠOTA, B.: Simulation of Evolution Market Equilibrium Used with Multi-Agent Methods. In: 7th Conference for PhD Students ELITECH 2005 : Bratislava, Slovak Republic, 9.2.2005. pp. 49-50. (in English)
- [16] HORNIAČEK, M.: Political Constraints, Incentives and Lisbon Strategy. In: International Conference "EU's Ability to Compete in Global World before and after Enlargement" : Bratislava, Slovak Republic, 16.6.2005. pp. 104-112. (in English)
- [17] HRANAIOVÁ, M.: Energy-Ecological Aspect of Economic Growth. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 54-62. (in Slovak)
- [18] JANČIKOVÁ, E.: Harmonization of Accounting. In: Factors of Company Prosperity in the Conditions of European Agrarian Market : Nitra, Slovak Republic, 22.9.2005. pp. 283-287. (in Slovak)
- [19] JANČIKOVÁ, E.: Harmonization of Accounting as Assumption of the Competitiveness Measurement. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 74-83. (in Slovak)
- [20] JEMALA, E.: Managing-Marketing Tools for the Growth of the Competitiveness in the Slovak Republic/European Union. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 84-96. (in Slovak)

- [21] MAĎARIČOVÁ, A.: Preconditions of Competitiveness of Slovakia in Integrated Europe: Historical Context with Education. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 103-110. (in Slovak)
- [22] MATERÁK, M.: Main Competitive Capability of Slovak Republic from the Offshoring View. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 121-130. (in Slovak)
- [23] MIŠOTA, B.: Multiagent-Based Economic Models of Firms Competition. In: International Conference "EU's Ability to Compete in Global World before and after Enlargement" : Bratislava, Slovak Republic, 16.6.2005. pp. 126-131. (in English)
- [24] MIŠOTA, B., BAČOVÁ, I., MAJIRSKÝ, M.: Small Firm in EU Context and Its Information System. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 131-139. (in Slovak)
- [25] POTANČOK, M.: Different Approaches to EU - Social Policy. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 140-152. (in Slovak)
- [26] STENCHLÁK, M.: The Simulation of Competitive Behavior of Economic Subjects. In: International Conference "The Impact of Accession of New Member Countries to the EU on Its Competitiveness" : Bratislava, Slovak Republic, 16.6.2005. pp. 153-160. (in Slovak)
- [27] ZAJAC, J.: Asymmetric Market, Imperfect Information and Risk. In: International Conference on Information and Knowledge Engineering : Las Vegas, USA, 20.-23.6.2005. pp. 339-342. (in English)
- [28] ZAJAC, J.: Fluctuations and Competition with Uncertainty. In: International Conference "EU's Ability to Compete in Global World before and after Enlargement" : Bratislava, Slovak Republic, 16.6.2005. pp. 177-185. (in English)
- [29] ZAJAC, J.: Imperfect Information and Markets with Risk. In: 2005 WSEAS International Conference on Dynamical Systems and Control : Venice, Italy, 2.-4.11.2005. CD-Rom. (in English)

VIII.3 Parts of Books

- [1] ZAJAC, J.: Expectations, Asymmetries, and Contributions. In: Lecture Notes in Computer Science. Vol. 3828 : Internet and Network Economics. - Berlin: Springer-Verlag GmbH, 2005. - pp. 1087-1093. (in English)
- [2] ANDRÁŠIK, L.: The Flying of Artificial Entomopter. In: Kognice a umělý život V. Svazek 1. - Opava: Slezská univerzita, 2005. - pp. 17-34. (in Slovak)