



## **FACULTY OF ENGINEERING ECONOMICS AND MANAGEMENT**

**Please note! This is a preliminary list of courses for the study year 2016/2017. Changes may occur!**

### **AUTUMN 2016 BACHELOR COURSES**

*(Available only for students whose major/speciality is Economics/Management)*

#### **IRE302 Real Estate Economics**

4.00 CP (6.00 ECTS)

Establishment, administration, management and refurbishment of real estate as a relevant asset of national wealth. Functioning of the real estate market and regularities of development. The role of real estate in the development of national economy; real estate as a guarantee for the stability of business, retention and enlargement of capital.

#### **ITE319 Fundamentals of Business Logistics**

3.00 CP (4.50 ECTS)

The main components of the study course "Fundamentals of Business Logistics" are supply, production and distribution, i.e. how to ensure the flow of materials, semi-finished or finished products from the supplier to the end user that involves a physical flow of orders, information and goods.

#### **IUE219 Marketing**

4.00 CP (6.00 ECTS)

Definitions and essence of marketing. Detailed focus on marketing environment. Marketing mix elements and their interrelationship. Consumer behaviour in the consumer and business market, the place of consumers within the marketing system. Segmentation, product and pricing policy, organization of marketing and control, development of a marketing information system, competition, product life cycle, distribution, promotion in the market etc.

#### **IVZ749 Business Intelligence Technologies I**

**3.0 CP (4.5 ECTS)**

Course is dedicated to MS Office usage in business and in science of economics. Course emphasize such topics: text formatting in MS Word, data entry and analysis, charts and scheme creation, mathematical, logical, date and time functions in MS Excel, VBA macros, basic presentation skills. Basic knowledge of business intelligence methods are given.

#### **IĀS205 Statistics**

**3.0 CP (4.5 ECTS)**

The aim of the course is to give knowledge about statistical methods and their application in analysis of economic and business processes, in order to determine regularities and development trends in industries of national economy. Objectives of the course are to obtain theoretical knowledge about specific statistical methods; to understand the process of gathering the statistical information; to understand the contents and calculation methods of statistical indicators; to be able to use statistical methods in analysis of economic and business processes, as well as in scientific work.

**ITA704 Economics****4.0CP (6.0 ECTS)**

This course provides information of economic patterns. It examines key economic concepts, indicators, and economic interactions and correlations that give students an insight into the economic theories and their application. Students will explore the functioning of modern economies. The course consists of two parts. The first part is focused on the microeconomics, the second part of the view of macroeconomic issues.

**IRO300 Organization of Production and Services****4.00 (6.00 ECTS)**

The concept, goals and objectives of production and services. Structure and specifics of production and services. Basic principles of production. The process and types of production. The production cycle, its structure. Flow production. Capacity, its impact on production and services. Transportation services in an enterprise. Quality of the production process and services. Production costs, classification and types of repairs.

**IUE334 Enterprise Economics****4.00 (6.00 ECTS)**

Evaluation of production and financial resources of an enterprise, incl. intangible assets; accounting of fixed assets, specifics of evaluation, revaluation, depreciation, exclusion, long-term assets, methods of current assets evaluation; production accounting, incl. calculation of total production prime cost, variable costs, production process prime cost; models of profit and loss account; annual report.

**MASTER COURSES**

*(Available only for students whose major/speciality is Economics/Management)*

**IET526 Economic Theory (graduate)****3.0 CP (4.5 ECTS)**

The subject provides in-depth knowledge in microeconomics and macroeconomics. Particular attention is paid to a deeper understanding of demand and supply, consumer choice and public choice theories. The types of economic development policy and economic development problems under conditions of globalization and international integration are analyzed.

**IUE591 Marketing Theory (graduate)****3.0 CP (4.5 ECTS)**

The goals and objectives of the course. Product policy. Marketing models. Theory of marketing management. Marketing theory and its current development. Development of marketing concept for upgrading business strategy. Costs and product quality, tendencies of change taking into account satisfaction of consumer requirements. Practical implementation of marketing theory, its development. System of marketing calculations. Marketing models and methodology of marketing solutions economic substantiation.

**IUE593 Theory of Economic Analysis (graduate)****3.0 CP (4.5 ECTS)**

The goals and objectives of economic analysis. Methodology of economic analysis. Provision of information for analysis of business performance. Quantitative methods of business performance analysis, their application. Analysis methodology of business performance indicators. Analysis of resources utilization. Analysis of production prime cost. Analysis of profit and profitability.

**IEU540 Electronic Commerce and E-business (graduate)****4.00 CP (6.00 ECTS)**

E-commerce within the context of the information society. The role of technology and telecommunications in the e-commerce. Focus on the issues related to enhancement of economic performance efficiency and safety of information in open networks. Legislation and established standards governing e-commerce. Issues of internet marketing.

**IÄS515 Quantitative Methods in Management** (*graduate*)

4.00 CP (6.00 ECTS)

Quantitative methods, economic-mathematical models and decision-making process. Specific models of linear programming. Integer programming tasks. Models of development scenario choice. Transportation problems and optimization of transshipment. Goal programming. Specific methods for time series analyses and forecasting. Econometric modelling. Multiple and dynamic regression. Nonlinear econometric models. Parameter estimation methods. Matrix-type (input-output) models. Game theory elements.

**IET516 Research Methodology** (*graduate*)

2.00 CP (3.00 ECTS)

The course deals with the concept of a scientific study, induction and deduction. Types of research. Research methods. Research ethics and academic honesty. Characteristics of qualitative and quantitative research, research and data collection phases and their analysis. Research topic selection, justification and literature review studies. Academic publication databases and their use in the study process and conducting of research are considered and evaluated. Discussion of the requirements of research design and presentation. Research organization on the Internet: The advantages and disadvantages. The course provides insights into research funding types and sources.

**IUE481 Economic Information Systems** (*graduate*)

3.0 (4.5. ECTS)

The subject covers the following issues: introduction to economic information systems; economic information systems for competitive advantage; specifics of economic information; requirements posed to economic information; decision support systems in human life.

**IUV519 Strategic Management** (*graduate*)

3.0 (4.5. ECTS)

Importance of strategic management for the needs of economic selection of development modelling factors. Goals selection in strategic management. Establishing the strategic management informative basis, administration and protection. Work results productivity evaluation taking into account the historical experience. Decision making in strategic concept selection. Business strategy.

**IMP521 Corporate Tax Planning** (*graduate*)

3.0 (4.5. ECTS)

Basic Principles of Tax Policy. Tax Administration Principles. Tax Planning in International Economics System. General Principles of Tax Planning and Optimization. Offshore and Tax Havens Possibilities and Legal Regulations. Direct Tax Planning. Differences in Tax Systems, International Treaties, Planning Limitations and Legal Regulations. Transfer Pricing in International Taxation. Indirect Tax Planning. Information Exchange between Tax Administrations and Fight with Evasion.

**IUE583 Investments and Financing** (*graduate*)

3.0 (4.5. ECTS)

Essence and relevance of investments in economy, macroeconomic factors affecting investment activity, investment climate in the country and the role of the state in the investment process. Concept of investment market and market participants. Types of investments: non-financial and financial investments. Special focus on methodology of capital investments planning and basic principles of forming an investment portfolio. Fundamental principles of decision making on investments, decision making issues in the financial market. Financing sources, principles of price formation and projects financing procedure.

**IUE585 Economics and Management of Innovations** (*graduate*)

4.00 CP (6.00 ECTS)

Classification of innovations. The role of innovations in the development of entrepreneurship. Planning, management, financing and forecasting of innovations in the market conditions. Economic evaluation of investment projects. Innovations and economic strategy in an enterprise. Management of innovations in the process of creating, making and implementation. Model for selecting the options of innovations. Quality innovations and their competitiveness. Pricing in the sphere of innovations.

**IET510 Economic Theory** (*graduate*)

4.00CP (6 ECTS)

The subject provides in-depth knowledge in microeconomics and macroeconomics. Particular attention is paid to a deeper understanding of demand and supply, consumer choice and public choice theories. The types of economic development policy and economic development problems under conditions of globalization and international integration are analysed.

**IEU525 Financial Reporting and Analysis** (*graduate*)

4.00 (6.0 ECTS)

"Financial Statements" is a subject which gives an overview of the content of financial statements as background information on the company's performance and changes in its financial position for different users, so that they could make management decisions. The objectives are: to understand the nature of the financial accounting system, taking into account the particularities of the national accounting systems and the influence of the standardisation of accounting; to be able to describe the general principles of preparation of financial statements, to be able to assess the elements of financial statements, to develop skills necessary to prepare financial statements.

**IEU521 Contemporary Problems of Strategic Management and Marketing** (*graduate*)

4.0 (6.0 ECTS)

The subject is devoted to strategic and marketing management problems in the contemporary dynamic market environment and under conditions of globalization. Within the course attention will be paid to problems of strategic management, rising of competitiveness, strategic analysis etc.

**IEU511 Financial Markets and Investments** (*graduate*)

4.0 (6.0 ECTS)

In this course investment conception, financial investment essence and types are considered as well as the principles of financial markets functioning, features, traded instruments, problems and its role in economics are analyzed. At the end of the course the principles of financial portfolio building and management are considered.

**IUE596 Corporate Finance** (*graduate*)

3.00 (4.5 ECTS)

The financial management of a capital company, its principles, methods, means and instruments; financial, investment and operational decisions.