



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

**Please note! This is a preliminary list of courses for the study year 2017/2018. Changes may occur!**

### **AUTUMN 2017 BACHELOR COURSES**

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

#### **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.

#### **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.

#### **IVZ751 Business Intelligence Technologies II *(can be selected ONLY if Part I studied within Spring semester 2016/2017)***

**4.0 CP (6 ECTS)**

The course includes introduction to analyzing of economic information by means of MS Excel tools - Pivot Table, Power Query, Power Pivot and vlookup functions. It covers data base development; data model creation and management; business intelligence basics, VBA usage in business tasks optimization. Course project is aimed to consolidate knowledge that was acquired in previous course "Business intelligence technologies I". In this project students have to show their abilities to use gained skills dealing with practical issues. Course project is written according to regulations written by professor.

#### **IUE133 Introduction to the Study Field**

**1.0 CP (1.5 ECTS)**

Organization of the study process. Methods of studies: reading, listening, writing, exposition of the material, preparation for examination. Use of literature and other sources of information. Problems of national and regional economic development. Entrepreneurship and its role in the development of Latvian national economy. Organization of international relations and fundamentals of customs.

#### **IUV207 Fundamentals of Finances**

**4.0 CP (6.0 ECTS)**

Elements of financial system. State finance management. Firm's finance system and its goals. Credit system. System of banks. Securities market. Management of the assets and capital of the firm. Investments management. Management of financial risk. Currency exchange market. System of insurance. Management of the firm in case of insolvency.

**IUV209 Accounting****3.0 CP (4.5 ECTS)**

Organization of book-keeping and accounting. Financial statements (balance sheet) and their analysis.

**IVZ754 Scientific Research in Entrepreneurship****2.0 CP (3.0 ECTS)**

The course includes the issues related to business information. Students will learn how to find information sources, fix and analyse information, creatively use it in research work, find out the ethic principles of research, characterize the types of research. Students will get acquainted with different ways of collecting different empirical data (information) and statistic methods, get impression about the application of entrepreneurial actions in the process of processing and publications of theoretical or practical research works.

**IVZ746 New Product Design and Development Methodology****4.0 CP (6.0 ECTS)**

The focus of the course is on the integration of the marketing, design and manufacturing functions of the company in creating a new product/service as well as to develop all processes for integration of manufacturing in a company. The course is intended to provide students with a set of tools and methods for product and process design and development. During the course students will develop a real prototype of a new product/service.

**IVZ748 Business and Social Dialogue****4.0 CP (6 ECTS)**

The aim of the course is to promote new business understanding about the cooperation among social partners and to reach an agreement in order to ensure social stability and economic development in the country. Quality of social dialogue depends on cultural traditions, historical, economic and political processes in the country. Social dialogue is a complicated process. On the one hand it is driven by competition and confrontation, but on the other hand - tolerance and compromise. These questions will be covered within the study course.

**IUE328 Project Management****4.0 CP (6.0 ECTS)**

Contents and classification of projects in the market conditions. Project management elements. Project life cycle. Technology and planning of projects implementation, provision of know-how - technical and economic information. Project analysis, its essence: economic, social, ecological and budgetary efficiency of projects.

**IUE332 Cost Analysis****3.0 CP (4.5 ECTS)**

Establishment of factors affecting costs and evaluation of each prime cost determinant. Classification of costs. Specifics of separate cost items accounting. Methods of calculating prime cost. Information for management decision making. Analysis of production costs. Break-even point analysis. ABC analysis. Method of standard costs analysis. Analysis of product prime cost. Method of direct costs analysis.

## MASTER COURSES

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

### **IBO574 Philosophy of Politic and Property**

#### **2.0 CP (3.0 ECTS)**

The aim of the course is to discuss with the students the main philosophical problems of political theory, main questions of political philosophy and its importance for understanding of contemporary society to acquaint students with the main theoretical and ideological approaches within contemporary political philosophy; to acquaint students with the main philosophical problems of contemporary political theory and political philosophy (power, authority, legitimacy and obligation, the state, law and punishment, democracy, rights and duties, freedom, justice etc.). In the second part of the course special attention is paid to philosophical definitions of property, main theories of property in classical (Aristotle, Locke, Rousseau, Hegel, Marks) and contemporary political thought, philosophical justification of property rights as well as discussion of property issues in context of justice, equality and exploitation.

### **IBO731 Planning of Visual Environment in Real Estate**

#### **2.0 CP (3.0 ECTS)**

The program provides an opportunity to gain the knowledge about the visual environment planning theory and evaluation methods.

During the study process the questions related to life quality standards for real estate are discovered on the basis of Scandinavian developed and applied standards of real estate development market. The program includes visual environment planning principles to solve the cases related to practical techniques for designing real estate interior and exterior elements and components.

Visual environment planning aspects of developing projects in a multicultural international environment are reviewed.

The program includes review of communication and strategy methods, related to cooperation with architects, designers, customers, builders, etc., managing real estate visual environment planning projects.

Practical part of the program is the simulation of visual environment planning project; Skills related to teamwork, development of visual environment planning concept are acquired. Application of gained knowledge in practice and presentation of the result.

The program has a social and economic basis for successful real estate project development on Latvian and international markets.

### **IBO524 Management of Building Construction Projects**

#### **3.0 CP (4.5 ECTS)**

Essence and relevance of management of building construction projects. Elaboration of a building construction project, Drawing up of a work schedule. Supervision of execution of a construction project. Possibilities of calculating effectiveness of a building construction project.

### **IBO510 Management of Ecological Systems**

#### **3.0 CP (4.5 ECTS)**

Ecology, management, internal and external environment of ecology management systems, their interaction. Market systems and methods of an estimation of ecological effects (results) at investment projects.

### **IBO727 Land Use Management**

#### **2.0 CP (3.0 ECTS)**

The course takes an integrated approach on land use management activities and related processes, its problem issues, challenges and possible solutions, covering land information systems, property rights, transactions, planning, implementation, public participation, decision-making, land use assessment techniques, efficiency measures, as well as GIS applications and modelling solutions.

**IBO479 Civil Construction Management****2.0 CP (3.0 ECTS)**

The theory of management in building and construction. Planning, problem solving, preparation for decision making. Strategic planning and management. Organisational structure. Quality control management in building and construction.

**IBO511 Strategic Marketing Management in Civil Construction****3.0 CP (4.5 ECTS)**

Peculiarities of strategic marketing management in construction business. Strategic planning. Selection of marketing strategy. The role of controlling in ensuring the execution of the strategic plan.

**IUV523 Commercial Law****3.0 CP (4.5 ECTS)**

The entrepreneur concept and types of entrepreneurship. Business forms. The formation, restructuring and liquidation of partnership. Franchising and representation of entrepreneur. The functioning of corporations.

**IUV524 Business Process Management****6.0 CP (9.0 ECTS)**

Theories of business process management. Organizational forms of management systems. The types of management organization. Effectiveness and productivity. Modeling of personnel. Management of team-building.

**IUE693 Theory of Economic Analysis****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.

**IEU535 Project Planning and Control****4.0 CP (6.0 ECTS)**

The goal of the subject is to provide necessary knowledge and skills in modern project management methods, project development phases planning, project structure creation, project tasks, duration, terms, resources and costs planning, coordination, controlling and correction, milestones plan creation, project plan performance monitoring and control.

**IEU515 Financial Analysis and Planning****4.0 CP (6.0 ECTS)**

The main issues of financial analysis and planning: financial ratio analysis, forecasting financial statements, projecting cash inflows and outflows, inventory management, receivables management, cash management, liabilities management and others are discussed.