



FACULTY OF ENGINEERING ECONOMICS AND MANAGEMENT

Please note! This is a preliminary list of courses. Changes may occur!

SPRING SEMESTER

BACHELOR COURSES

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

IVZ883 Business Intelligence Technologies II

4 CP (6 ECTS)

This course helps to gain all needed skills and competencies for analysis and consolidation of a company data. After this course students will be able to use MS Excel and Power BI tools for analysis of business processes, develop data models for business and build visualizations on top of them. Will better understand the role of data and information in optimization and automation of internal and external business processes. Course paper is written on a topic proposed by a student, based on a guideline prepared by the teaching staff. Course paper is aimed to consolidate knowledge that was acquired in previous course "Business intelligence technologies I" and "Business intelligence technologies II".

IVZ875 Startup Development

4 CP (6 ECTS)

The study course provides students with the understanding and knowledge they need to start and start a new business. It deals with issues related to defining ideas, testing ideas, raising funding and developing a development strategy. After completing the study course, students will be familiar with the principles of starting a new business and will have the necessary knowledge and skills to start one.

IĀS727 Fundamentals of Logistics

2 CP (3 ECTS)

The study course provides knowledge about organizing logistics processes in companies. During the course, the main elements of the study course – procurement, production and distribution, are being inspected by ensuring the flow of materials or finished products and distribution from supplier to final consumer.

IĀS215 Quantitative Methods for Economics

3 CP (4.5 ECTS)

The course includes characterization of economic and mathematical methods and models and decision making process. Within the course, students learn forecasting methods by using time series, models for examining economic relationships, models of linear programming, simulation and elements of the queuing theory.

IET104 Macroeconomics

4 CP (6 ECTS)

The subject matter of the course is Macroeconomics. Main economic indicators. GDP and its calculation. Cycles in national economy. Macroeconomic equilibrium. Money, banking, inflation. Employment, unemployment. Fiscal policy and national budget. Monetary policy. Keynesian theory and monetarism. Model IS-LM. International economic relations.

ITA708 Topicalities of Nowadays Economy (study work)
2 CP (3 ECTS)

The subject matter of the course is Macroeconomics. Main economic indicators. GDP and its calculation. Cycles in national economy. Macroeconomic equilibrium. Money, banking, inflation. Employment, unemployment. Fiscal policy and national budget. Monetary policy. Keynesian theory and monetarism. Model IS-LM. International economic relations.

MASTER COURSES

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

IET537 Factors and Models of Economic Development
3 CP (4,5 ECTS)

Decisive factors for economic development: population, age, education. Provision with natural resources and capital. The role of science in the national development. Investment possibilities. Impact of the national economic policy on the economic development. Impact of global economy on the economic development. Development and problems of the economies of developed, developing and transition countries.

IET505 Macroeconomic Analysis
4 CP (6 ECTS)

Economic equilibrium and contemporary conceptions: theory of rational and adaptive forecasts, monetarism, neo-Keynesian school. Theory of the supply economy. Economic growth and development. Role of the state in ensuring economic development. Regional aspects of economic development.

IUF738 Corporate Finance
6 CP (9 ECTS)

The course and training process is devoted to analysis of corporate financial decisions and decision process justification. During the semester short-term and long-term planning and management of financial flows will be reviewed, with particular emphasis on investment planning and the rationale for funding. An in-depth assessment of the use of financial instruments and its evaluation, cooperation with financial intermediaries in order to achieve effective application of financial instruments in financial management will be covered during the course.

The course focuses on a topical issue as a reorganization of companies and an evaluation of related decisions taking into account the benefit-risk analysis. The course also addresses corporate governance, capital structure and dividend policy issues.

This course will provide students with the knowledge and modern state of the art in corporate finance, use of various financial instruments in the financial management of the company and risk management, emphasizing trends in the global financial markets, as well as providing key skills, including practical skills in applying different financial management and risk management methods.

HSP446 Pedagogy
2 CP (3 ECTS)

The course deals with important aspects of pedagogy such as subject of pedagogy, different philosophies of education, theories about teaching and learning. The students are introduced to basic concepts of learning and the current pedagogical ideas. During the course students are involved in different learning activities: group discussions, case studies, presentations. The aim of activities is to show how the theory relates to the pedagogical practice. Students will be able to develop the practical skills how to manage the education process. During the reflections promoted by lecturer students will get deeper understanding of main issues of teaching process: pedagogical style and motivation, interaction in pedagogical environment. Students will learn how to cooperate, how to share the ideas, how to describe, analyze and evaluate concrete pedagogical situations.

IVZ718 Corporate Social Responsibility and Business Ethics
2 CP (3 ECTS)

The course is built so as to demonstrate the development and role of Corporate social responsibility (CSR) in Latvia and worldwide. Explore public opinions on social responsibility in business environment through analysis of situations of moral dilemmas. Introduce business ethics as a multidisciplinary academic field provide insight into business ethics-related issues and introduce a modern approach to solving typical business issues.

The course is aimed at establishing the theoretical basis of the business ethics, value-orientation, CSR classification and assessment. It develops practical skills in solving ethical problems and implementing CSR strategy in an organization.

IVZ836 Innovation and Technology Transfer
4 CP (6 ECTS)

Innovation is a novelty in the activities of an enterprise if it is characterized by having positive economic or strategic result. The course covers different actual theoretical concepts about innovations in different real-life situations. The course provides conceptual and technical skills required to manage innovation-related issues and develops students' understanding that the creation of innovation-friendly environment will facilitate establishment and development of innovative companies. Topics covered by course include: innovations in product life cycles, kinds of innovation, commercialization methods, corporate entrepreneurship process model or „Salmon model” and its comparison with open innovation concept, innovation support systems in Latvia and abroad, creative thinking techniques, financing innovation.

IVZ835 Psychology of Work Groups
2 CP (3 ECTS)

The course includes theoretical and practical classes, which are focused on the development of advanced psychological knowledge and the development of social skills for effective interaction in work groups and for effective management of joint activities. The main topics of the course are: group dynamics, work group composition, affective processes in a work group, social dilemmas, influences in a work group, decision making, creativity and innovation in a work group, high performance work group, virtual work groups, work group psychological assessment. The practical assignments of the course are to be carried out both inside and outside classes, individually and in small groups of students. The student's progress in the course is assessed throughout the course with practical assignments, tests and a written exam.

IKI708 Quality Technologies and Management
4 CP (6 ECTS)

The study course covers the acquisition of theoretical knowledge of quality management principles and practical actions. Students first master the philosophy of Total Quality Management, followed by studies of practical examples in various manufacturing and service companies and public institutions. Students acquire knowledge about quality management and technologies. Students acquire the competence to analyze processes and perform conformity and quality risk assessment.

IBO479 Civil Construction Management
2 CP (3 ECTS)

Students gain knowledge of management theory in construction. Students become familiar with the planning, problem-solving and problem-solving, preparation and decision-making. During practical work, students gain insights into the nature and management of strategic planning.

IBO727 Land Use Management
2 CP (3 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.

IBO571 Real Estate Market in National Economy
2 CP (3 ECTS)

Development trends in the real estate market and their correlation to other branches of the national economy. The national fiscal and monetary policy influence on the real estate market and other branches of the national economy. The circularity in real estate market developments. Comparative evaluation of the Latvia real estate market cycles.

IBO570 Investments in Real Estate Development
2 CP (3 ECTS)

This professionally educational subject that provides students with the knowledge on investments and the role in the development of the Real Estate and the increase of its market value. The subject secures all the knowledge necessary to design an investment project, draw feasibility reports and assess the efficiency of investment as applied to a specific real estate development project.

Essence of investments and relevance for improving real estate and increasing its market value. Sources of investment, possibilities of using investments for different real estate projects. Diversification of investments. Value of investments and market price. Investment risk, its assessment. Impact of the fiscal and monetary policy of the state on the investments in real estate.

IBO507 Management of Innovations in Building Construction
3 CP (4,5 ECTS)

The course provides knowledge on the criteria for innovation management skills efficiency, analysis of alternatives and staff training for all innovations. Students become acquainted with the structure of the construction organization, the changes in the construction organization and the models of these changes.

IBO578 Business Valuation
4 CP (6 ECTS)

The study course provides knowledge on the essence of business valuation in real estate and construction business. The study course allows using a systemic approach in business valuation. Students get acquainted with the applied methods of business evaluation, their advantages and disadvantages.

IUE530 Innovation Technology
6 CP (9 ECTS)

Innovation is a novelty in the activities of an enterprise if it is characterized by having positive economic or strategic result. The course covers different actual theoretical concepts about innovations in different real life situations. The course provides conceptual and technical skills required to manage innovation related issues and develops students' understanding that creation of innovation friendly environment will facilitate establishment and development of innovative companies. Topics include: innovations in product life cycles, kinds of innovation, commercialization methods, corporate entrepreneurship process model or „Salmon mode!” and its comparison with open innovation concept, innovation support systems in Latvia and abroad, creative thinking techniques, financing innovation.

IUE550 Product Design and Development
4 CP (6 ECTS)

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

IUE508 Strategy and Change Management
4 CP (6 ECTS)

This course is designed to provide students with an opportunity to revise, integrate and apply concepts, tools, and skills they have acquired in their past academic and practical experience to a variety of business situations.

The focus is on situation analysis, taking into account various factors and making decisions, many of which are broad and strategic. In order to make a high quality decision especially in strategic context the ability to analyze the situation from various perspectives and use various analytical tools is critical. Mentioned this ability will be encouraged during the course.

The point of view taken in this course is that of standpoint of CEO of the company as value creator for owners, they are paid for. The course is useful for the owners of the company to understand how they should guide their managers and what really managers do.

IĀS437 International Marketing
2 CP (3 ECTS)

International Marketing course gives a basic outlook of marketing methods and tools used in international marketing, as well as their practical application, analysis and evaluation of results. The course gives an overview of marketing theories, their significance in marketing nowadays and shows the development of future communications in international marketing. It also provides an outlook on different product and service markets and their anthropological differences, communication types and methods. It shows the basics of branding and brand management.

IĀS706 Global Markets and Supply Chains
2 CP (3 ECTS)

The course includes problems connected with supply chain management of global market, supply chain structure, beginning and final points planning, supply chain management methods and technology, SCM models and its specification, information flow management of forwarding processes, delivery time and accuracy factor evaluation, time factor and quality of delivery, lead time investigation for supply chains.

IĀS726 Strategic Management in International Companies
2 CP (3 ECTS)

The study course provides an insight into strategic planning, introduces strategic planning process, the main elements of the strategy and their application, explains the impact of the organization's internal and external factors on the implementation of the strategy.