



FACULTY OF ENGINEERING ECONOMICS AND MANAGEMENT

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

Bachelor Courses

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

IUV209 Accounting

3.00 CP (4.50 ECTS)

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

IÄS215 Quantitative Methods for Economics

3.00 CP (4.50 ECTS)

The course includes characterisation 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.

IUV207 Fundamentals of Finances

4.00 CP (6.00 ECTS)

Elements of financial system. State finance management. Company'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.

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.

IUE327 Enterprise Economics

4.00 CP (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.

IUE337 Processing of Economic Information

2.00 CP (3.00 ECTS)

The goal of the subject: to teach the students to process multidimensional masses of information using up-to-date computer technologies. Selection of most relevant information from non-structured data. Application of e-technologies for data mining, processing and decision making in accordance

with the real-time situation in an on-line regime. The objectives of the course: to resolve specific economic problems with huge mass of data and to master the skill of making optimum decision in such conditions.

IVZ751 Business Intelligence Technologies II

4.00 CP (6.00 ECTS)

The course includes introduction to analyzing of economic information by means of MS Excel tools - Pivot Table, Power Query, Power Pivot and lookup functions. It covers data base development; data model creation and management; business intelligence basics, VBA usage in business tasks optimization.

IVZ760 Enterprise Management

4.00 CP (6.00 ECTS)

The course includes the following topics: the business environment; models of management; planning; organization; human resources management, control and monitoring, enterprise management effectiveness evaluation.

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.

IVZ748 Business and Social Dialogue

4.00 CP (6.00 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.

IVZ768 Business Planning

4.00 CP (6.00 ECTS)

The course faces issues of planning and forecasting role in business as well as key aspects of planning methodology: principles, methods, types, sequence. Some of project implementation methods (linear, network graphs, the target program method) are considered next to such key points as business plan characteristics, functions, content and development means. Special attention is paid to key issues of production planning: sales and production volume, necessary resources and their sources, costs and performance results.

IMP201 Taxes and Duties

3.00 CP (4.5 ECTS)

Structure and elements of the taxation system: state taxes and duties, state dues, duties imposed by local governments. State taxes and duties forming the taxation system. Tax and duty payers, entities subject to taxation, tax and duty rates, payment procedure. Tax payers' rights, responsibilities and liability.

MKI350 Quality Systems (basics)

2.00 CP (3.00 ECTS)

The study course is a part of inter(trans)disciplinary study programme „Total Quality Management“, addressing acquirement of professional knowledge, skills and competence, practicing in lectures, self-education and team works, presentations. Study course topics related to acquirement of basic knowledge in quality assurance and improvement in transport, machinery, power and other related fields: terminology, related to quality and quality systems, history of quality management systems, failures' impact to quality, quality management principles. Classification of standards, family of ISO 9000 standards.

IUE333 Budgeting and Control

2.00 CP (3.00 ECTS)

Budget, its role in business. Types of budgets. Procedure of planning a budget. Methods used in planning budgets. Application of established standards in the process of planning. Planning process: data collection and analysis, identification of goals and objectives, establishment of restrictive factors, elaboration and evaluation of functional, financial and consolidated budgets. Control and analysis of the budget execution.

Master Courses

IUE583 Investments and Financing

3.00 CP (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.

IBO479 Civil Construction Management

2.00 CP (3.00 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.

IBO515 Real Estate Economics

3.00 CP (4.5 ECTS)

The course gives information on the economic and juridical factors of the real estate goods, its importance in the theory of the real estate economy and ongoing economic processes. There is explained the content of the real estate market supply, demand and equilibrium and different factors that have an impact on the development of the real estate market. Students are provided with the necessary knowledge of the real estate market, supply and demand, equilibrium and factors that have an impact on it. Great attention is paid to the various sectors of the real estate market, features of the development of the sectors of the real estate market as well as its connections with the different industries of the national economy. Attention is paid also to the business activities at the real estate market. The necessary knowledge of the development and evaluation of the real estate is provided. The identified problems connected with the real estate management, its efficiency, as well as the management of the threats and risks in area of real estate are presented.

IBO572 Civil Construction and Real Estate International Market

2.00 CP (3.00 ECTS)

Offer and demand in the international real estate market: social, economic and environmental agents that influence the market. Comparative and absolute advantages and their economic substantiation;

formation and development processes in the building products and real estate offshore market. The real estate market in the Baltic states, other Latvia neighbouring countries and EU.

IBO701 Construction Project Planning and Controlling

4.00 CP (6.0 ECTS)

The subject provides necessary knowledge and skills about construction project management and controlling, modern construction project management methods, knowledge about project construction project development phases planning, project structure creation, project tasks, durations, terms, resources and costs planning, coordination, controlling and correction, as well as knowledge about construction project milestones plan creation, construction project plan performance monitoring.

IVZ784 Organizational Theory

3.00 CP (4.5 ECTS)

Organizational theories provide insight into the rational basis for management decisions. Within the study subject knowledge on organizational theories and organization behaviour is provided. Students will become familiar with different types of organization, decision-making support system, functions, generation of alternatives for decision-making in a variety of changing environment

IEU524 Modern Research Methods (2 Parts)

4.00 CP (6.0 ECTS)

The nature of business finance and management research; methods of reviewing the literature; research design; research philosophies and approaches. Students have to collect primary data, to analyse quantitative and qualitative data, to write and present the reports.

IKI708 Quality Technology and Methods

4.00 CP (6.0 ECTS)

The study subject embraces acquisition of theoretical principles and practical skills in quality management. After familiarization themselves with the quality management philosophy the students are continuing to explore cases on practical implementation of quality management systems in different production and service organizations and governmental institutions.

IVZ783 Corporate Social Responsibility and Business Ethics

4.00 CP (6.0 ECTS)

The course is built so as to demonstrate the development and role of social responsibility (SR) 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, SR classification and assessment. It develops practical skills in solving ethical problems and implementing SR strategy in an organization.

IVZ786 Risk Governance in Entrepreneurship

4.00 CP (6.0 ECTS)

The course aim is to introduce appropriate knowledge about risk in entrepreneurship, familiarize students with risk governance and risk management basic concepts, give ideas about risks assessment, management and governance methods. In the course are considered risk basic concepts, risk classification, financial risks conception, its classification and financial risk assessment system. The course gives detailed risk identification assessment in practice as effective growth opportunities, risk management methods and risk management strategy types as well as risk programme financing.

IVZ789 Contemporary Issues of Strategic Management and Marketing

4.00 CP (6.0 ECTS)

The module covers marketing and strategic management in the context of the modern dynamic and globalized market. The topics covered include strategic management, improvement of the competitiveness of an enterprise, methods of strategic analysis, and others. A lot of attention is dedicated to the problems of strategic marketing and to the possible solutions using various marketing instruments. After studying the module, the students will be able to identify and analyse problem situations in the market as well as offer appropriate strategic solutions.

IUE585 Economics and Management of Innovations

4.00 CP (6.0 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.

IUE593 Theory of Economic Analysis

3.00 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 Entrepreneurship and Business Planning

4.00 CP (6.0 ECTS)

Entrepreneurship and Planning is an integrative course, which join together knowledge and skills from other courses, adds new aspects to enable business planning and development of sustaining business plans for a new product or venture. Course covers the following topics: Importance of planning in business development and efficiency improvement. Entrepreneurship process; Organisational forms of business. Resources needed for enterprise. Planning principles and objectives. Planning and forecasting methods. Techniques and tools for business plan development. Control methods and events. Decision making in entrepreneurship.

IEU535 Project Planning and Control

4.00 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.

IBO 571 Real Estate Market in National Economy

2.00 CP (3.0 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.

IBO 479 Civil Construction Management

2.00 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.

IUV 523 Commercial Law

2.00 CP (3.0 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.