



RIGA TECHNICAL
UNIVERSITY

Faculty of Engineering Economics and Management

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

AUTUMN SEMESTER

BACHELOR COURSES

(available only to Economics/Management/Business major students)

Code	Course name	CP	ECTS
<u>IĀS721</u>	International Project Management	4.0 CP	6.0 ECTS
<p>The study course provides students with an understanding of international project management, risks, implementation process and project cycles, management tools and methods, as well as EU funding methods. It enables students to acquire specialized knowledge and skills in a short period of time using the "learning by doing" methodology. At the end of the study course students will be able to develop, coordinate and manage international projects.</p>			
<u>IĀS431</u>	Current Trends in International Business	3.0 CP	4.5 ECTS
<p>The subject deepens students' understanding of the theory of comparative advantage in international trade and provides insight into international comparison of competitiveness and business environment of countries, company governance and brand value.</p>			
<u>IĀS705</u>	International Trade	2.0 CP	3.0 ECTS
<p>The subject provides insight and justification for international trade under conditions of market globalization. It considers trade theory development and its topicality today in international trade policies of different countries. The subject gives insight into the impact of globalisation and the policies pursued by the world's leading organizations and country unions concerning trade facilitation or market protection measures across countries. It also provides insight into current events in financing and guaranteeing today's international trade, particularly focusing on the role of e-commerce in the global market. In the conclusion Latvian national trade policy with the most important cooperation partners and development trends are being analysed, and development forecasts for industries and cooperation partners are expressed.</p>			
<u>ITE328</u>	Supply Chain Management and Freight Forwarding	2.0 CP	3.0 ECTS
<p>Supply chain management and its basic principles. SCM models and their application. The role of information in freight forwarding. Delivery time and accuracy assessment. The role of time in determination of the quality of deliveries. Evaluation of delivery delay.</p>			
<u>IUV519</u>	Strategic Management	3.0 CP	4.5 ECTS
<p>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.</p>			
<u>IVZ886</u>	Business and Social Dialogue	4.0 CP	6.0 ECTS
<p>The object aims to raise awareness among young entrepreneurs about cooperation between the social partners and to reach an agreement and ensure social stability and economic development in the country. The study course deals with the challenge of social dialogue: the quality of social dialogue, depending on cultural traditions, historical, economic and political processes in the country, and the complexity of social dialogue. On the one hand, it is driven by competition and confrontation and, on the other, by tolerance and compromise.</p>			
<u>IVZ783</u>	Social Responsibility and Business Ethics	4.0 CP	6.0 ECTS
<p>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.</p>			
<u>IRE404</u>	Current Trends of the European Union Economic Policy	2.0 CP	3.0 ECTS
<p>The course contains theoretical information on approaches and forms of integration. The stages of EU formation, the challenges of the Lisbon Treaty, the EU budget and the role of the main institutions are being considered. There is a brief description and analysis of the EU's economic policies, with a particular focus on the Common Agricultural Policy and external trade policy.</p>			

ICA301	Civil Defence	1.0 CP	1.5 ECTS
The study course includes basic knowledge of civil protection tasks, regulatory enactments, legal bases, and organizational principles. In addition, information on the different types of disasters that may endanger human life is learned. When studying this study course, students acquire the skills to act in the event of a natural disaster, explosion, fire, leakage of a chemical hazardous substance, radiation, and learn to evacuate and use protective equipment.			

IVZ883	Business Intelligence Technologies	4.0 CP	6.0 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.			

IVZ764	Coaching and Team Management	3.0 CP	4.5 ECTS
The purpose of the course is to give the advanced information about application of psychological knowledge for effective work and management of social groups, and to help students to acquire knowledge and skills that are necessary for effective interaction in work groups, as well as for employee work management.			

IVZ878	Enterprise Management	6.0 CP	9.0 ECTS
The study course helps to acquire knowledge and skills about modern business management theories, methods and their application in practice, which will help in career development and starting a business. The study course promotes students' analytical ability and skills, the ability to formulate problems and find a way to solve them in the following topics: the business environment; models of management; planning; organization; human resources management, control and monitoring, enterprise management effectiveness evaluation.			

IVZ875	Startup Development	4.0 CP	6.0 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.			

IET127	Microeconomics	4.0 CP	6.0 ECTS
The subject matter of the course is Microeconomics. Demand. Supply. Utility and demand. Comparison of prospective and current value. Discounting. Production, productivity. Maximization of corporate profits in the conditions of perfect competition, monopoly, monopolistic competition and oligopoly. Market of production factors: labour market; market of production resources; land market. Theory of public choice.			

Note! Full course description available by clicking on the course code!

MASTER COURSES

(available only to Economics/Management/Business major students)

Code	Course name	CP	ECTS
IKI703	Process Analysis and Management	4.0 CP	6.0 ECTS
Understanding the prerequisites of organization formation, classification systems of organization processes, importance of planning and control of processes, as well as skills to use certain methods of organization development are developed. An important part of the course is devoted to the implementation of organizational planning and control functions in process management.			

IĀS723	Methodology of Statistic Data Processing and Analysis	4.0 CP	6.0 ECTS
The study course is devoted to the description of statistical data processing and analysis methods, incl. econometrics; it helps students to use the methods of data analysis in master's research.			

ITE448	Global Logistics and Transport	4.0 CP	6.0 ECTS
The course provides an understanding of international division of labor and organization of distribution channels over long distances. Organization of multimodal transportation is analyzed. The principles of organization and management of transit transportation are acquired, transit infrastructure is evaluated in Latvia and elsewhere. Applying demand forecasting and risk analysis methods evaluates the location of logistics centers and delivery routes. The time of delivery and the control of its accuracy are compared.			

IĀS701	International Business	2.0 CP	3.0 ECTS
The study course provides an insight into international business environment for the organization and management of the international activities of the company. The study course describes and analyses international business processes			

as system to help students understand these processes and to acquire the ability to make well-grounded decisions independently.

IÄS437	International Marketing	2.0 CP	3.0 ECTS
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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.

IÄS706	Global Markets and Supply Chains	2.0 CP	3.0 ECTS
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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.

IUF738	Corporate Finance	6.0 CP	9.0 ECTS
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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.

HSP446	Pedagogy	2.0 CP	3.0 ECTS
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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, analyse and evaluate concrete pedagogical situations.

IKI708	Quality Technologies and Management	4.0 CP	6.0 ECTS
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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 analyse processes and perform conformity and quality risk assessment

IUE530	Innovation Technology	6.0 CP	9.0 ECTS
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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 model" and its comparison with open innovation concept, innovation support systems in Latvia and abroad, creative thinking techniques, financing innovation.

IUE550	Product Design and Development	4.0 CP	6.0 ECTS
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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	4.0 CP	6.0 ECTS
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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.

ITA713	Globalization and Internationalization of Economy	2.0 CP	3.0 ECTS
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Assimilating knowledge about the historical development of globalization, globalization processes in global markets, international production networks formation consistent patterns, the role of international companies in the development of globalization. Ability to understand and evaluate global and local factors influence on business organizations, understand the changes of the state role in the global context, assimilate globalization legal regulation opportunities, understand the socio-economic and environmental consequences of globalization.

IEU524	Modern Research Methods (part 1)	2.0 CP	3.0 ECTS
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The program prepares its participants for understanding research in social sciences, including research methodology, tools, logic, methods, design, validity, reliability and other aspects of qualitative and quantitative research. The participants are supposed to learn to conduct research by realizing a research project passing through all its stages starting from the creation of an interview/survey form and its piloting, qualitative and quantitative data collection till the data analysis, interpretation of the results and writing of a report.

IEU504	Financial and Economics Information Analysis Methods	2.0 CP	3.0 ECTS
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The course covers widely used methods of financial and economics information analysis: visual data analysis, factor analysis, cluster analysis, discriminant analysis, mean comparison (ANOVA, ANCOVA, MANOVA, MANCOVA) and panel regression analysis. Considered methods of financial and economics information analysis are examined in the widely used data analysis software "R".

IEU515	Financial Analysis and Planning	4.0 CP	6.0 ECTS
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This course is about financial analysis and planning: the essence of financial analysis, its purpose, objects, principles, methods, complex evaluation of financial viability of company, financial planning essence, methods and its implementation process, budget types and its development.

IVZ836	Innovation and Technology Transfer	4.0 CP	6.0 ECTS
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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.

IBO479	Civil Construction Management	2.0 CP	3.0 ECTS
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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.

IBO510	Management of Ecological Systems	3.0 CP	4.5 ECTS
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The study course provides knowledge about ecological systems, their management, internal and external environment of ecology management, their interaction. Students gain skills and knowledge of the ecological effects (results) market valuation system and methods in investment projects in construction and real estate management.

IBO515	Real Estate Economics	3.0 CP	4.5 ECTS
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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.

IBO511	Strategic Marketing Management in Civil Construction	3.0 CP	4.5 ECTS
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The course provides knowledge on strategic management of marketing, peculiarities of construction, strategic planning. students gain knowledge of the appropriate market strategies and are able to choose the appropriate and necessary market strategy at the end of the course. At the end of the course, students understand the importance of controlling to ensure the implementation of the strategic plan.

IBO524	Management of Building Construction Projects	3.0 CP	4.5 ECTS
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The study course provides knowledge about the nature of construction project management and its importance. Knowledge about construction plan, work schedule, theoretical knowledge and skills to apply various BIM technological possibilities. The students are provided with knowledge about the supervision of the realization of the construction project, as well as about the possibilities of calculating the efficiency of the construction project.

IBO749	Research Methods in Construction and Real Estate Management	2.0 CP	3.0 ECTS
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The aim of the course is to develop and develop students' understanding of research methods as a basis for fundamental and applied research in construction, construction and real estate. The course includes questions about the essence, concepts and methodology of research, emphasizing the more widely used research methods. Students develop skills and competencies in research, such as analysis of literature and scientific articles, empirical research, method selection

according to research parameters, analysis and evaluation of research results, interpretation and presentation of data, etc. During the course students learn several data processing computer programs and prepare a research or scientific article.

<u>IBO731</u>	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.			

Note! Full course description available by clicking on the course code!