



RTU Course "Information Systems Management"

22161 Starptautisko programmu nodāļa

General data

Code	IUE507
Course title	Information Systems Management
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Post-graduate Studies
Course type	Professional
Field of study	Computer Science
Responsible instructor	Elīna Gaile-Sarkane
Academic staff	Aigars Gertners
Volume of the course: parts and credits points	1 part, 4.0 Credit Points, 6.0 ECTS credits
Language of instruction	LV, EN
Possibility of distance learning	Not planned
Abstract	Today, information systems are an integral part of all business activities and careers. This course is designed to introduce MBA students to contemporary information systems and demonstrate how these systems are used throughout organizations. Course topics will focus on the key components of information systems - people, software, hardware, data, and telecommunications, and how these components can be integrated and managed to create competitive advantage. As course cover topics such as the Internet, business data analysis, and database management, students will also be exposed to business software tools commonly used in these technology domains. As a result, students will obtain valuable information technology knowledge and skills for being successful in all areas of business.
Goals and objectives of the course in terms of competences and skills	<p>Course goal and objectives:</p> <ul style="list-style-type: none"> - Explain the technology, people, and organizational components of information systems (IS) - Understand how and why IS are used today in modern organizations - Explain how IT is enabling globalization - Formulate a business case for a new IS - Explain the components of a comprehensive, reliable, and secure IS architecture - Explain how the Internet is fueling electronic commerce - Describe various IS security threats and safeguards - Describe various types of organizational and enterprise-wide IS - Understand the systems development life cycle and how organizations acquire new systems and technologies - Describe and contrast computer ethics and crime
Structure and tasks of independent studies	Individual course grades will be based on the total points earned by a student from the following assignments: In Class Quizzes, Video Project, Industry Analysis, Exam, Participation.
Recommended literature	<p>Pamatliteratūra: O'Brien, J., Marakas, G. Management Information Systems. McGraw-Hill/Irwin, 2010, 704 p.</p> <p>Papildus literatūra: Avison, David E., Fitzgerald G. Information Systems Development: Methodologies, Techniques and Tools. McGraw Hill Higher Education, 2008, 656 p. Havey Michael. Essential Business Process Modeling. O'Reilly Media, 2005, 350 p. Kendall, K., Kendall, J. System Analysis and Design. Prentice Hall, 2010, 600 p.</p>
Course prerequisites	N/A

Course outline

Theme	Hours
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Learning outcomes and assessment

Learning outcomes	Assessment methods
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Study subject structure

Part	CP	ECTS	Hours per Week			Tests		
			Lectures	Practical	Lab.	Test	Exam	Work
1.	4.0	6.0	2.0	0.0	2.0		*	