



RTU Course "Information Technology and Strategy"

01B00 Rīgas Biznesa skola

General data

Code	PBM703
Course title	Information Technology and Strategy
Course status in the programme	Compulsory/Courses of Limited Choice
Course level	Post-graduate Studies
Course type	Professional
Field of study	Business Management and Administration
Responsible instructor	Ēriks Dobelis
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
Maximum auditorium capacity	1
Maximum number of students per semester	50
Abstract	Course explores information technology strategies of an organization from the perspective of a Chief Information Officer and it provides conceptual frameworks for the development and deployment of information technology strategies. Course covers technology concepts and trends, underlying current and future developments in information technology, and fundamental principles for the effective development of computer-based information systems.
Goals and objectives of the course in terms of competences and skills	There are several objectives of this course. Students will gain a fundamental understanding of the role and responsibility of a Chief information\Chief Technology Officer and the CIO's role in guiding the development and implementation of enterprise wide Information Technology strategies. In addition the students will also gain an understanding of how Information Technology units fit into the strategic and management operations of complex organizations.
Structure and tasks of independent studies	Students are assigned to teams for the duration of the course. At least ten cases (Harvard Business School and INSEAD cases) are assigned to the teams. The teams are required to present formal presentations of their finding for each case in class. The cases are designed to force the teams to think through and present their thoughts and strategies for the role and responsibility of the CIO in an organization, address the need and present options for governance, apply project management and portfolio management techniques, develop and utilize organizational development principles strategies, manage project risk, understand and deal with enterprise wide security issues, and be able to assess t
Recommended literature	Kursa apgūšanai tiek nozīmēti aptuveni 25 raksti un papildus lasīšanas materiāli. Tie ir izvēlēti, lai nodrošinātu pamatzināšanas par priekšmeta tematiem un, lai nodrošinātu grupas ar teorētiskajiem materiāliem, ko pielietot, vērstoties pie katras situācijas (cases) izvirzīto problēmu risināšanas. Piešķirtie materiāli tiek apspriesti klasē un studenti tiek izjautāti saistībā ar rakstos un situācijas analīzes materiālos apgūstamo informāciju.
Course prerequisites	To understand the role of information technology in organization in order to become effective and efficient. To understand the main paradigms of MIS development..

Course outline

Theme	Hours
The Role and Responsibilities of the Chief Information Officer in Information Technology and Strategy	8
Governance and Organization in Support of Information, Technology Strategy Development and Implementation	6
Business Process Reengineering and Project Management	6
Portfolio Management and Application Development Strategies	6
Organizational Development and Management of Information Technology	6
Midterm Exam	4
Managing IT Project Risk	6
Enterprise Wide Security and Risk Management	4
Assessment and Evaluation of Information Technology	4
Information Technology Issues	6
Emerging Technologies and the Ecommerce Hype Cycle	4
Final Exam	4

Learning outcomes and assessment

Learning outcomes	Assessment methods
Able to define The Role and Responsibilities of the Chief Information Officer in Information Technology and Strategy	Class discussion, Exam
Able to design Governance and Organizational structure to Support Information Technology Strategy Development and Implementation	Group Presentation, Exam

Able to use the project management tools in Organizational IT Portfolio Management and Application development	Group Presentation, Exam
Able to perform Assessment and Evaluation of Organizational Information Technology and to develop proposals for Organizational Development and Management of Information Technology	Group Presentation, Exam
Able to plan IT Project Risk, Enterprise Wide Security and develop proposal for Organizational IT Risk Management	Group Presentation, Exam

Study subject structure

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