

Subject code	Credits
INF3006	6

Course title in Lithuanian

INFORMACINĖS SISTEMOS

Course title in English

INFORMATION SYSTEMS

Short course annotation in Lithuanian (up to 500 characters)

Dalyko kursas supažindina su sistemų teorijos pagrindais, organizacinėmis sistemomis bei jų savybėmis, informacinių sistemų klasifikavimu, modeliais, IS gyvavimo ciklu, planavimo ir projektavimo metodais, informacinių poreikių analize, jos taikymu, kuriant tradicines bei intelektualias informacines sistemas, taip pat informacinių sistemų saugumo reikalavimais.

Short course annotation in English (up to 500 characters)

The course examines fundamentals of system theory; organizational system, its properties and features of control process; analysis of information requirements of organization; classification and structure of information systems (IS); IS life cycle; principles of information system (IS) planning and development; IS design methods; Models of Traditional IS; Intellectual Information systems technologies and information models; Security of IS.

Prerequisites for entering the course

Data bases, Data Types and Structures, Operating Systems.

Course aim

To provide basic knowledge of information systems and to develop practical skills in designing and implementing them.

Content

No	Content (topics)
1.	Fundamentals of System Theory.
2.	Organizational system.
3.	Peculiarities of the Organizational System Control Process.
4.	Classification and Structure of Information System.
5.	An analysis of information requirements of the organization
6.	Organization's business models
7.	Information Technology (IT) in Organization (institution).
8.	Life Cycle of the Information Systems.
9.	Integrated Information systems (ERP).
10.	Models of Traditional IS.
11.	Design of Information Systems.
12.	IS evaluation and their development trends

Distribution of workload for students (contact and independent work hours)

Lectures	30 hours
Seminars	15 hours
Group work	30 hours
Laboratory work	30 hours
Individual students work	55 hours
Total:	160 hours

Structure of cumulative score and value of its constituent parts

Final written exam (50%), mid-term written exam (17%), and assessments of laboratory (practical) work (33%).

Recommended reference materials

No.	Publication year	Authors of publication and title	Publishing house	Number of copies in		
				University library	Self-study rooms	Other libraries
<i>Basic materials</i>						
1.	2008	Sekluckis V., Gudas S., Garšva G. Informacijos sistemos ir duomenų bazės. Informacijos sistemos ir	Technologija	100		

		duomenų bazės. Kaunas.			
2.	2002	S. Gudas. Organizacijos informacinių poreikių analizė. Kaunas.	Technologija		1
Supplementary materials					
3.	2013	Introduction to Computer Information Systems	Wikibooks	http://www.e-booksdirectory.com/details.php?ebook=9420	
4.	2012	Integrated Business Processes with ERP Systems Simha R. Magal, Jeffrey Word	WileyPLUS	http://eu.wiley.com/WileyCDA/WileyTitle/productCd-EHEP003179.html	
5.	2009	Henry C. Lucas, Jr. Information Technology for Management. The Global Text Project is funded by the Jacobs Foundation, Zurich, Switzerland. This book is licensed under a Creative Commons Attribution 3.0 License.	www.globaltext.org (available online)		
6.	2006	E. Turban, D. Leidner, E. Mclean, J. Wetherbe. Information Technology for management	Copyright John Wiley		

Course programme designed by

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