

COURSE DESCRIPTION

University: Comenius University Bratislava	
Faculty: Faculty of Management	
Course ID: FM.KIS/273AM/21	Course title: Management Information Systems
Educational activities: Type of activities: lecture / seminar Number of hours: per week: per level/semester: 2s / 2s Form of the course: on-site learning	
Number of credits: 7	
Recommended semester: 2.	
Educational level: I., II.	
Prerequisites:	
Course requirements: <p>In accordance with the provisions of internal regulation no. 16/2017 Directive of the Rector of Comenius University in Bratislava Full text of internal regulation no. 23/2016 Directive of the Rector of Comenius University in Bratislava, which issues the Code of Ethics of Comenius University in Bratislava, as amended by Supplement no. 1, each student always achieves his / her study results in an honest manner; does not deceive or use dishonest practices during any form of verification of his / her study knowledge and skills. Cases of breach of the UK Code of Ethics may be considered a breach of legal obligations, (...). Such an assessment may involve the application of appropriate legal consequences at the academic, (...) disciplinary level.</p> <p>In accordance with the provisions of internal regulation no. 13/2018 approved by the Academic Senate of Comenius University in Bratislava Disciplinary Code of Comenius University in Bratislava for students, student disciplinary offense is any form of depreciation or illegal cooperation or counseling during written or oral evaluation of study results (knowledge testing) or during preparation for it within the subject , or the use of technical devices or any information media in a manner other than permitted during the written or oral assessment of learning outcomes (knowledge testing) or during preparation for the course. Some of the disciplinary measures can be imposed on a student for a disciplinary offense: reprimand, conditional expulsion from study or expulsion from study.</p> <p>Type of Activities: 2 hours lectures and 2 hours seminars Number of Hours: 4 hours per week Per Week; Per Level/Semester:</p> <p>Form of the Course: Full time / Combined Method</p> <p>During the semester midterm and/or final tests for 30 points. Score of 10 point will be given for presentation and its oral examination. Score of 60 points will be given for the semester project.</p> <p>Scale of assessment (preliminary/final): 40/60</p>	
Learning outcomes: <p>This course will develop the framework for an information system and explore how systems that support the business functions of the organization are integrated and aid the manager with decision-making responsibilities within the operational, tactical, and strategic hierarchy of the company. Underlying the examination of various types of organizational information systems will be an exploration of emerging technologies that drive these systems.</p>	

This course provides the student with the knowledge and skills necessary to understand and use information technology effectively and shows how information technology provides organizations with a strategic competitive advantage.

Class syllabus:

Lecture 1 MANAGING INFORMATION SYSTEMS
Lecture 2 SYSTEMS THEORY
Lecture 3 SYSTEM DEVELOPMENT LIFE CYCLE
Lecture 4 THE IMPACT OF INFORMATION TECHNOLOGY ON BUSINESS, E-BUSINESS
Lecture 5 CLOUD COMPUTING
Lecture 6 DATABASES, DATAMINING, DATA and BUSINESS ANALYTICS
Lecture 7 NETWORKS & DATA COMMUNICATIONS MID-TERM EXAM
Lecture 8 SERVICE ORIENTED ARCHITECTURE, E-SERVICE MANAGEMENT
Lecture 9 INFORMATION SYSTEMS FOR DECISION SUPPORT, INFORMATION TECHNOLOGY ISSUES FOR MANAGEMENT
Lecture 10 EXPERT SYSTEMS, DATA ANALYTICS, INTERNET OF THINGS
Lecture 11 INFORMATION SYSTEMS FOR THE ENTERPRISE,
Lecture 12 SECURITY & ETHICAL CHALLENGES
FINAL EXAM

Recommended literature:

James A. O'Brien, Northern Arizona University, George M. Marakas, University of Kansas: Management Information Systems, 10/e, ISBN: 0073376817, Copyright year: 2011, http://highered.mcgraw-hill.com/sites/0073376817/information_center_view0/

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Ken Laudon, Jane Laudon: Management Information Systems, 12th Edition, ISBN-10: 0-13-214285-6, ISBN-13: 978-0-13-214285-4, Published by Prentice Hall, © 2012, Pub. Date: Jan 4, 2011, <http://www.pearsonhighered.com/laudon/>

Natalia Kryvinska, Michal Greguš: SOA and its Business Value in Requirements, Features, Practices and Methodologies, Univerzita Komenského v Bratislave, 2014, ISBN 978-80223-3764-9

Michal Greguš, Natalia Kryvinska: Service Orientation of Enterprises – Aspects, Dimensions, Technologies, Bratislava: Comenius University, 2015. ISBN: 978-80-223-3978-0

6. Other REFERENCES

Kathy Schwalbe: Information Technology Project Management, Course Technology, Fifth edition, 2008, ISBN 978-0324665215

Languages necessary to complete the course:

English

Notes:

Past grade distribution

Total number of evaluated students: 0

A	ABS	B	C	D	E	FX	M
0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: Mgr. Vincent Karovič, PhD.

Last change: 13.02.2022

Approved by: