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University: P. J. Šafá	rik University in Košice		
Faculty:	Faculty:		
Course ID: ÚMV/ pPSM/19	Course name: Advanced statistic methods		
Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present			
Number of ECTS cr	edits: 4		
Recommended seme	ster/trimester of the course:		
Course level: N	Course level: N		
Prerequisities: ÚMV	Prerequisities: ÚMV/pSPP/19 and ÚMV/pZNM/19		
Conditions for course completion:			
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 0			
Provides: doc. RNDr. Daniel Klein, PhD.			
Date of last modification: 17.05.2019			
Approved:			

University: P. J. Šafá	rik University in Košice
Faculty:	
Course ID: ÚINF/ pZPS/21	Course name: Basics of computer networks
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	e / Practice rse-load (hours): study period: 28 / 28
Number of ECTS cro	edits: 4
Recommended seme	ster/trimester of the course:
Course level: N	
Prerequisities:	
Conditions for cours Elaboration of the fin	e completion: al project and successful completion of the written work.
theoretical and practic get acquainted with t at its individual layer The course focuses or and routers. He will at the course, they will a Academic Program. During the study, the	acquainted with the basic concepts used in computer networks, will gain cal skills in the implementation of simple local computer networks. They will he ISO / OSI model, gain a deeper understanding of how the network works s. n working with devices using the Cisco IOS operating system, such as switches lso handle the issue of IP addressing - planning, VLSM and subnetting. Within master the issues that are included in the first semester of the Cisco Network e student has educational materials and an administrative environment for t available through the LMS system (http://www.netacad.com).
 Address schemes, 1 Physical layer of n Basic work with ro Function of transport Data routing in cort Introduction to rou 	nputer networks. k (layer) communication model, ISO / OSI model. IP addressing (IPv4 & IPv6). etwork model and its implementation. outers and switches, Cisco IOS. ort and network layer protocols and services. nputer networks - basic terminology. ting. Static and dynamic routing. gth lengthing (VLSM), basic IPv6 configuration, CDP.
http://www.netacad.c 2. T. Lammle: CCNA 9781118749616, 201	Academy Program : CCNA R&S "Introduction to Networks" (CCNA1) - om A Routing and Switching Study Guide, Wiley-Blackwell, ISBN:

4. R. Pužmanová: TCP/IP v kostce, Kopp, ISBN: 9788072323883, 2009

Course language:

Notes:

Course assessment

Total number of assessed students: 0

Provides: Ing. Miroslav Michalko, PhD.

Date of last modification: 26.08.2021

Approved:

University: P. J. Šaf	ărik University in Košice	
Faculty:		
Course ID: ÚINF/ ZTSP/16	F/ Course name: Essentials of the SAP Technology	
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice urse-load (hours): udy period: 28	
Number of ECTS c	redits: 2	
Recommended sem	ester/trimester of the course:	
C I I I I		

Course level: I., N

Prerequisities:

Conditions for course completion:

Conditions for the final evaluation:

Final test (theoretical and practical)

Conditions for successful completion of the course:

1. Active participation in teaching in accordance with the study regulations and according to the teacher's instructions.

2. Mastering the conditions of the final evaluation in the overall expression at the level of at least 80%.

Learning outcomes:

During teaching and especially in the final evaluation, the student demonstrates adequate mastery of the content standard of the course, which is defined by the course syllabus, and demonstrates mastery of the performance standard, within which the student has a basic overview of enterprise information systems, SAP system, overview of processes in the system, overview of roles and profiles in SAP, controls basic navigation in the system, can start a specific transaction, manages data search and display, running multiple modes, creating favorites, can customize output formats and can create reports.

Brief outline of the course:

1. Enterprise information systems - enterprise architecture, processes, deployment of enterprise IS. Introduction to mySAP technology. SAP - benefits, distribution, components, modules, transactions, economic benefits of deployment in the organization.

2. SAP applications and components, overview of SAP solutions for large, medium and small businesses. SAP technology infrastructure (client / server architecture, transactions, client as a logically integrated organizational unit, job positions).

3. SAP basics and navigation - login, SAP screen elements, form design, system movement, use of standard keys and screen icons, transaction start, input fields, command shortcuts, Favorites tab, user-specific settings.

4. SAP basics and navigation - multiple modes, command shortcuts, searching and displaying data - variants, output format - changing and saving the layout, creating a report.

5. SAP basics and navigation - Business Workplace, report printing, report export to local file, system information.

6.-7. Individual work for practice.

Recommended literature:

Company literature of SAP. Available on-line: http://www.sap.com

Course language:

slovak

Notes:

By default, teaching is carried out face to face. If this is not possible (eg due to a pandemic), teaching is provided at a distance through video conferencing programs and LMS.

Course assessment

Total number of assessed students: 389

abs	n neabs	
96.66 1.03 2.31		2.31
Provides: RNDr. Slavka Blichová, Bc. Martin Tomko		
Date of last modification: 21.11.2021		
Approved:		

University: P. J. Šafárik University in Košice			
Faculty:			
Course ID: ÚINF/ UIVE/19	Course name: Introduction to Internet of things		
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 2 Per study period: 28 / 28 Course method: present			
Number of ECTS cro			
Recommended seme	ster/trimester of the course:		
Course level: N	Course level: N		
Prerequisities: ÚINF/ZTSP/16			
Conditions for course completion:			
Learning outcomes:	Learning outcomes:		
Brief outline of the course:			
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 0			
Provides: RNDr. Miroslav Opiela, PhD.			
Date of last modification: 10.05.2019			
Approved:			

	COURSE INFORMATION LETTER
University: P. J. Šafá	rik University in Košice
Faculty:	
Course ID: ÚINF/ UIB1/21	Course name: Introduction to information security
Course type, scope a Course type: Lectur Recommended cour Per week: 2 / 2 Per Course method: pre	re / Practice rse-load (hours): study period: 28 / 28
Number of ECTS cr	edits: 5
Recommended seme	ster/trimester of the course:
Course level: I., N	
Prerequisities:	
Homeworks (30% of	se completion: ssing the course is: 1. Exercise tasks (20% of the total number of points), 2 the total number of points), 3. Written final theoretical exam (25% of the total Written final practical exam (25% of the total number of points).
	cation is an understanding of the basic concepts of information security from nd procedural views of point.
management, 3. Risk security, 5. Continui Introduction to crypt resources security and	formation security and information security model, 2. Information security and risk management, 4. Legal, normative and ethical aspects of information ty management of activities, processes and security incidents handling, 6 sology, 7. Access control, 8. Physical and environmental security, 9. Human d social engineering, 10. End point security and malicious code, 11. Compute Application security, 13. Final exam.
Cyber Security Body Jason, Awais RASHI Security: A Straightf PELTIER, Thomas, A	ature: <i>y</i> , Awais RASHID, Steve SCHNEIDER a Howard CHIVERS. CyBOK: The of Knowledge. The National Cyber Security Centre, 2021, 2. ANDRESS, D, Steve SCHNEIDER a Howard CHIVERS. Foundations of Information orward Introduction. 1. No Starch Press, 2019. ISBN 978-1718500044, 3. Awais RASHID, Steve SCHNEIDER a Howard CHIVERS. Information als. 2. Boca Raton: Auerbach Publications, 2013. ISBN 978-1138436893.
Course language:	
Slovak or English	

Course assessment Total number of assessed students: 153					
А	В	С	D	Е	FX
39.22	26.14	22.22	6.54	2.61	3.27
Provides: doc. 1	Provides: doc. RNDr. JUDr. Pavol Sokol, PhD., RNDr. Eva Marková				
Date of last modification: 04.01.2022					
Approved:					

University: P. J. Šafá	rik University in Košice
Faculty:	
Course ID: ÚMV/ pZNM/19	Course name: Priciples of numeric methods
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28
Number of ECTS cr	edits: 4
Recommended seme	ster/trimester of the course:
Course level: N	
Prerequisities:	
Conditions for cours Overall evaluation is	e completion: given by ongoing evaluation and elaboration of the assigned project.
basic numerical algor be able to independed programming langua able to solve (real / p efficient calculation p	
representation of rea algorithm, error meass and convergence of m 2. Linear systems - substitution, scaled pa method, iterative me descent, associated di 3. Eigenvalues and e eigenvalue problem (p problem (calculation method), SVD - signa	and techniques of numerical analysis - computer implementation and al numbers, numerical vs. symbolic (analytical) calculations, method vs. numerical solution, conditionality of numerical problems, stability numerical algorithms. - Gaussian elimination with and without pivot, forward and backward artial pivotization, singularity and perturbation, matrix conditionality, Thomas ethods - Jacobi, Gauss-Seidel, SOR method, gradient methods - gradient
Numerical Analysis: CRC.	nture: en, E. J., Kearfott, R. B., Seshaiyer, P. (2009). Classical and Modern Theory, Methods and Practice (1 edition). Boca Raton: Chapman and Hall/ , Mezei, R. (2015). Numerical Analysis Using Sage. Springer International

3. Cheney, E. W., Kincaid, D. R. (2012). Numerical Mathematics and Computing (7 edition). Boston, MA: Cengage Learning.

4. O'Leary, D. P. (2008). Scientific Computing with Case Studies. Philadelphia: Society for Industrial and Applied Mathematics.

5. Sauer, T. (2017). Numerical Analysis. (3 edition). Hoboken, N.J. Pearson.

6. Segethová, J. (2002). Základy numerické matematiky. Karolinum.

7. M. Vicher (2003). Numerická matematika

Course language:

slovak or english

Notes:

Course assessment

Total number of assessed students: 0

Provides: doc. Mgr. Jozef Kisel'ák, PhD.

Date of last modification: 14.04.2022

Approved:

University: P. J. Šafá	rik University in Košice			
Faculty:				
Course ID: ÚMV/ pSPP/19	ÚMV/ Course name: Statistics for practice			
Course type, scope a Course type: Practic Recommended cour Per week: 2 Per stu Course method: pre	ce rse-load (hours): dy period: 28			
Number of ECTS cr	edits: 4			
Recommended seme	ster/trimester of the course:			
Course level: N				
Prerequisities:				
Conditions for cours Working out an indiv	e completion: idual data evaluation project.			
Learning outcomes: Understanding of fou	ndations of basic descriptive statistics used in sciences.			
Basic data characteris Basic probability dist Point and interval est Testing of basic hypo Nonparametric tests.	s. Data types. Frequencies. stics: location and variability measures, quantiles. ributions.			
Recommended litera Any basic statistics te 1. Wonnacott, Wonna				
Course language: English				
Notes:				
Course assessment Total number of asses	ssed students: 0			
Provides: prof. RND	: Ivan Žežula, CSc.			
Date of last modifica	tion: 28.03.2022			
Approved:				