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35. Obtaining of internal grant	
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40. Review of a bachelor thesis	
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48. Special branch seminar	38

59
60
64

	árik University in Košice	
Faculty: Faculty of S	Science	
Course ID: ÚINF/ TZLD/15	Course name: Algorithmi	cally unsolvable problems
Course type, scope a Course type: Lectu Recommended cou Per week: 2 Per stu Course method: pr	re irse-load (hours): idy period: 28	
Number of ECTS cr	redits: 9	
Recommended seme	ester/trimester of the cours	se:
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes: To understand basic and the grades of un	notions of algorithmically ur	nsolvable problems, mutual reduction of problems
U 1	roblems and their algorithmi	
Relationship betwee Algorithmical unsol Diofantesian equatio	n undecidability and comple vability of some mathematic	al problems. algorithm for existence of their solutions.
Relationship between Algorithmical unsolv Diofantesian equation Mutual reduction of Recommended liter 1. BARWISE, J. ed.: 2. KLEENE, S. C.: I 3. MENDELSON, E	n undecidability and complexability of some mathematic ons and non-existence of an a problems and the grades of ature: Handbook of mathematical ntroduction to metamathematical	teness. al problems. algorithm for existence of their solutions. unsolvability. logic, North Holland, 1977.
Relationship between Algorithmical unsolv Diofantesian equation Mutual reduction of Recommended liter 1. BARWISE, J. ed.: 2. KLEENE, S. C.: I 3. MENDELSON, E	n undecidability and complexability of some mathematic ons and non-existence of an a problems and the grades of ature: Handbook of mathematical ntroduction to metamathematical	teness. al problems. algorithm for existence of their solutions. unsolvability. logic, North Holland, 1977. atics, Van Nostrand, 1952. cal logic, Van Nostrand, 1963.
Relationship between Algorithmical unsolv Diofantesian equation Mutual reduction of Recommended liter 1. BARWISE, J. ed.: 2. KLEENE, S. C.: I 3. MENDELSON, E 4. DAVIS, M.: Hilber	n undecidability and complexability of some mathematic ons and non-existence of an a problems and the grades of ature: Handbook of mathematical ntroduction to metamathematical	teness. al problems. algorithm for existence of their solutions. unsolvability. logic, North Holland, 1977. atics, Van Nostrand, 1952. cal logic, Van Nostrand, 1963.
Relationship between Algorithmical unsolv Diofantesian equation Mutual reduction of Recommended liter 1. BARWISE, J. ed.: 2. KLEENE, S. C.: I 3. MENDELSON, E 4. DAVIS, M.: Hilber Course language:	n undecidability and complexability of some mathematic ons and non-existence of an a problems and the grades of the ature: : Handbook of mathematical ntroduction to metamathematical .: Introduction to mathematical ert's tenth problem is unsolva	teness. al problems. algorithm for existence of their solutions. unsolvability. logic, North Holland, 1977. atics, Van Nostrand, 1952. cal logic, Van Nostrand, 1963.
Relationship between Algorithmical unsolv Diofantesian equation Mutual reduction of Recommended liter 1. BARWISE, J. ed.: 2. KLEENE, S. C.: I 3. MENDELSON, E 4. DAVIS, M.: Hilber Course language: Notes: Course assessment	n undecidability and complexability of some mathematic ons and non-existence of an a problems and the grades of the ature: : Handbook of mathematical ntroduction to metamathematical .: Introduction to mathematical ert's tenth problem is unsolva	teness. al problems. algorithm for existence of their solutions. unsolvability. logic, North Holland, 1977. atics, Van Nostrand, 1952. cal logic, Van Nostrand, 1963.
Relationship between Algorithmical unsolv Diofantesian equation Mutual reduction of Recommended liter 1. BARWISE, J. ed.: 2. KLEENE, S. C.: I 3. MENDELSON, E 4. DAVIS, M.: Hilber Course language: Notes: Course assessment	n undecidability and comple- vability of some mathematic ons and non-existence of an a problems and the grades of ature: : Handbook of mathematical ntroduction to metamathematical .: Introduction to mathematical ert's tenth problem is unsolva	teness. al problems. algorithm for existence of their solutions. unsolvability. logic, North Holland, 1977. atics, Van Nostrand, 1952. cal logic, Van Nostrand, 1963. able, Amer. Math. Monthly, 1973, pp.233-296.
Relationship betwee Algorithmical unsolv Diofantesian equatio Mutual reduction of Recommended liter 1. BARWISE, J. ed.: 2. KLEENE, S. C.: I 3. MENDELSON, E 4. DAVIS, M.: Hilbe Course language: Notes: Course assessment Total number of asse	n undecidability and complexability of some mathematic ons and non-existence of an a problems and the grades of a ature: Handbook of mathematical introduction to metamathematical .: Introduction to mathematical ert's tenth problem is unsolvation with the students: 1 N	teness. al problems. algorithm for existence of their solutions. unsolvability. logic, North Holland, 1977. atics, Van Nostrand, 1952. cal logic, Van Nostrand, 1963. able, Amer. Math. Monthly, 1973, pp.233-296.
Relationship betwee Algorithmical unsolv Diofantesian equatio Mutual reduction of Recommended liter 1. BARWISE, J. ed.: 2. KLEENE, S. C.: I 3. MENDELSON, E 4. DAVIS, M.: Hilbe Course language: Notes: Course assessment Total number of asse	n undecidability and comple- vability of some mathematic ons and non-existence of an a problems and the grades of the ature: : Handbook of mathematical introduction to metamathematical introduction to metamathematical c.: Introduction to mathematical existenth problem is unsolvation existent problem is unsolvation of the second second second second second pr. Stanislav Krajči, PhD.	teness. al problems. algorithm for existence of their solutions. unsolvability. logic, North Holland, 1977. atics, Van Nostrand, 1952. cal logic, Van Nostrand, 1963. able, Amer. Math. Monthly, 1973, pp.233-296.

University: P. J. Šaf	ărik University in Košic	2
Faculty: Faculty of	Science	
Course ID: ÚINF/ SALD/15	Course name: Algorit	thms on strings
Course type, scope Course type: Lectu Recommended course Per week: 2 / 0 Pe Course method: p	ure / Practice urse-load (hours): r study period: 28 / 0	
Number of ECTS c	redits: 8	
Recommended sem	ester/trimester of the c	ourse:
Course level: III.		
Prerequisities:		
Conditions for cour	rse completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of ass	essed students: 7	
	Ν	Р
	0.0	100.0
Provides: doc. RND	r. Gabriela Andrejková,	CSc.
Date of last modific	eation: 03.05.2015	
Approved:		

University: P. J. Šafa	nrik University in Košice	
Faculty: Faculty of S	Science	
Course ID: ÚINF/ CZC/15	5	
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	rse-load (hours): ly period: esent	
Number of ECTS ci		
	ester/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes:		
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of asse	essed students: 11	
	abs	n
	100.0	0.0
Provides:		
Date of last modific	ation: 03.05.2015	
Approved:		

University: P. J. Šafa	árik University in Košice		
Faculty: Faculty of S	Science		
Course ID: ÚINF/ CDC/15			
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	irse-load (hours): dy period: esent		
Number of ECTS c			
	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes:			
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 0		
	abs	n	
	0.0	0.0	
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:			

University: P. J. Šafa	árik University in Košice		
Faculty: Faculty of S	Science		
Course ID: ÚINF/ CM/15			
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent		
Number of ECTS c			
	ester/trimester of the cours	se:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 0		
	abs	n	
	0.0	0.0	
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:	_		

University: P. J. Šafa	árik University in Košice		
Faculty: Faculty of S	Science		
Course ID: ÚINF/ SDPR/15			
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	irse-load (hours): dy period: esent		
Number of ECTS c			
	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes:			
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 64		
	abs	n	
	100.0	0.0	
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:			

University: P. J. Šafa	árik University in Košice	
Faculty: Faculty of S	Science	
Course ID: ÚINF/ SMPR/15		
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	urse-load (hours): dy period: resent	
Number of ECTS c		
	ester/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of asse	essed students: 11	
	abs	n
	100.0	0.0
Provides:		
Date of last modific	ation: 03.05.2015	
Approved:		

	COURSE INFORMATION LETTER
University: P. J. Šafa	árik University in Košice
Faculty: Faculty of S	Science
Course ID: ÚINF/ VYMD/15	Course name: Computational complexity and models
Course type, scope a Course type: Lectu Recommended cou Per week: 2 Per stu Course method: pr	ure urse-load (hours): udy period: 28
Number of ECTS ci	redits: 9
Recommended sem	ester/trimester of the course:
Course level: III.	
Prerequisities:	
Conditions for cour Written test combine	se completion: ed with an oral examination.
	ed backgroung in the area of efficient computations, computational complexity indamental time and space complexity classes, hardest complete problems, and
complexity; determ NL, P, NP, PSPAC	models; relations among different models with respect to their computational inistic and nondeterministic computations; basic complexity classes - L, CE, NPSPACE; reducibilities of problems; complete languages in basic nierarchy and translation theorems for time and space; relativization; alternating
computation, Addiso M. Sipser: Introduct	twani, J.D. Ullman: Introduction to automata theory, languages, and

2009.

C. Calude and J. Hromkovič: Complexity: A Language-Theoretic Point of View, in G. Rozenberg and A. Salomaa, Handbook of Formal Languages II, Springer, 1997.

G.Brassard, P.Bradley: Fundamentals of algorithmics, Prentice Hall, 1996.

Ch. H. Papadimitriou: Computational Complexity, Addison-Wesley, 1994.

D.P.Bovet, P.Crescenzi: Introduction to the theory of complexity, Prentice Hall, 1994.

Course language:

Notes:

Course assessment Total number of assessed students: 26	
Ν	Р
0.0	100.0
Provides: prof. RNDr. Viliam Geffert, DrSc.	
Date of last modification: 03.05.2015	
Approved:	

v	árik University in Košice	
Faculty: Faculty of S	Science	
Course ID: ÚINF/ PGOD/15	Course name: Compute	r graphics and image processing
Course type, scope a Course type: Lectu Recommended cou Per week: 2 / 1 Per Course method: pro-	re / Practice Irse-load (hours): r study period: 28 / 14	
Number of ECTS cr	redits: 8	
Recommended seme	ester/trimester of the cou	irse:
Course level: III.		
Prerequisities:		
Conditions for cours	se completion:	
	sic elements of the visual	system, internal and external representations of an applications for surface visual inspection.
Representation of the of digital images. Let	nputer vision. Collecting ne image - the image space ocal operations. Global operations.	g and storing images. Capturing and digitizing. ce. Color models. Multispectral images. Properties perations. Active contours. Segmentation. Texture, sualization. Chaos and fractals.
		processing, Analysis and Machine Vision, 2nd
2. TURCEZAN, M.,	-	ysis. The handbook of pattern recognition and
2. TURCEZAN, M.,	JAIN, A.K.: Texture anal	ysis. The handbook of pattern recognition and
2. TURCEZAN, M., computer vision. Wo	JAIN, A.K.: Texture anal	ysis. The handbook of pattern recognition and
2. TURCEZAN, M., computer vision. Wo Course language:	JAIN, A.K.: Texture anal orld Scientific Pub. Co., 19	ysis. The handbook of pattern recognition and
2. TURCEZAN, M., computer vision. Wo Course language: Notes: Course assessment	JAIN, A.K.: Texture anal orld Scientific Pub. Co., 19	ysis. The handbook of pattern recognition and
2. TURCEZAN, M., computer vision. Wo Course language: Notes: Course assessment	JAIN, A.K.: Texture anal orld Scientific Pub. Co., 19 essed students: 9	ysis. The handbook of pattern recognition and 998.
2. TURCEZAN, M., computer vision. Wo Course language: Notes: Course assessment Total number of asse	JAIN, A.K.: Texture analorld Scientific Pub. Co., 19 essed students: 9 N 0.0	Pysis. The handbook of pattern recognition and pattern
2. TURCEZAN, M., computer vision. Wo Course language: Notes: Course assessment Total number of asse	JAIN, A.K.: Texture anal orld Scientific Pub. Co., 19 essed students: 9 N 0.0 r. Csaba Török, CSc., doc.	P 100.0

University: P. J. Šafár	ik University in Košice			
Faculty: Faculty of Sc	cience			
Course ID: ÚINF/ KRYD/15	ÚINF/ Course name: Cryptology			
Course type, scope an Course type: Lecture Recommended cour Per week: 2 Per stud Course method: pres	e se-load (hours): ły period: 28			
Number of ECTS cre	dits: 9			
Recommended semes	ster/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for course Witten and oral exam.	1			
	hic systems and cryptoanal	hods of computer algebra and know how they can ytic methods. To know current trends of research		
	nputational algebra - ring etic of eliptic curves. Act	s of polynoms, cyclic groups, factorization of ual problems of symmetric and nonsymmetric		
2. STINSON, D. R. : 0 3. MEZENES, A.,. va Press, 1996	ementary Number Theory a Cryptography. Theory and n Oorschot, P., Vanstone, S	nd Its Applications, Addison Wesley, 2000 Practie, CRC Press, 2002 .: Handbook of Applied Cryptography, CRC ic Curves in Cryptography, CUP 1999		
Course language:				
Notes:				
Course assessment Total number of asses	sed students: 6			
	N	Р		
	0.0	100.0		
Provides: prof. RNDr.	. Gabriel Semanišin, PhD.,	doc. RNDr. Jozef Jirásek, PhD.		
Date of last modificat	tion: 03.05.2015			
Approved:				

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
Course ID: ÚINF/ SDSD/15	Course name: Data and signal processing			
Course type, scope a Course type: Lectur Recommended cou Per week: 2 Per stu Course method: pro	re rse-load (hours): Idy period: 28			
Number of ECTS cr	edits: 8			
Recommended seme	ster/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cours	se completion:			
Learning outcomes: Mastering the basics	of data and signal processin	g methods and appropriate software.		
their leveraging is co methods for solution	ntinuously rising. The subje of tasks in signal processing	ata and signal processing methods and the areas of ct acquaints the students with the most significant and the appropriate software. It helps the students d technology and clarify the differences in data		
[2] Zarchan P., Funda[3] Mohinder S.G., K2008[4] CONGDON P., E	Signals and Systems with Mamentals of Kalman Filterin Kalman filtering, Theory and	IATLAB, Orchard Publications, 2008 g, A Practical Approach, AIAA, 2005 Practice Using MATLAB, John Wiley & Sons, g, John Wiley & Sons, 2006 nger, 2009		
Course language:				
Notes:				
Course assessment Total number of asse	ssed students: 8			
	N	Р		
	0.0	100.0		
Provides: doc. RND	: Csaba Török, CSc.			
Date of last modifica	ntion: 03.05.2015			
Approved:				

Faculty: Faculty of Science Course ID: ÚINF/ Course name: Data proces				
Course ID. L'INE/ Course names Data massa				
SIZD/15	Course name: Data processing and information profit			
Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present				
Number of ECTS credits: 5				
Recommended semester/trimester of the course	e:			
Course level: III.				
Prerequisities:				
Conditions for course completion:				
Learning outcomes: Overview of stochastic and numerical methods o obtaining information from them.	f processing data and signals, their modeling and			
data, classification of objects, parametric and not	tical models. Search schema and dependencies in nparametric methods, smoothing data, piecewise Discriminant, cluster, factor, Fourier and wavelet			
Recommended literature: - E.Alpaydin: Introduction To Machine Learning - S.Mallat, A Wavelet Tour of Signal Processing, - J.Anděl: Matematická statistika, SNTL 1985	· · · ·			
Course language:				
Notes:				
Course assessment Total number of assessed students: 1				
Ν	Р			
0.0	100.0			
Provides: doc. RNDr. Csaba Török, CSc.				
Date of last modification: 03.05.2015				
Approved:				

University: P. J. Šaf	árik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚINF/ ODZP/15	Course name: Defence o	f diploma thesis		
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent			
Number of ECTS c				
	ester/trimester of the cour	se:		
Course level: III.				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes	:			
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
Course assessment Total number of ass	essed students: 14			
	N P			
	7.14 92.86			
Provides:		•		
Date of last modific	ation: 03.05.2015			
Approved:				

University: P. J. Šafá	rik University in Košice				
Faculty: Faculty of Science					
Course ID: ÚINF/ PPC/15	Course name: Direct peda	gogical activities			
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pre	rse-load (hours): ly period: esent				
Number of ECTS cr					
	ester/trimester of the cours	e:			
Course level: III.	Course level: III.				
Prerequisities:					
Conditions for course completion:					
Learning outcomes:					
Brief outline of the o	course:				
Recommended litera	Recommended literature:				
Course language:					
Notes:					
Course assessment Total number of asse	ssed students: 178				
	abs n				
	98.88 1.12				
Provides: doc. RND	. Gabriela Andrejková, CSc				
Date of last modifica	ation: 03.05.2015				
Approved:					

University: P. J. Šaf	árik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚINF/ DZS/15	Course name: Dissertati	on examination	
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent		
Number of ECTS c			
	ester/trimester of the cour	rse:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 31		
	N P		
	0.0 100.0		
Provides:			
Date of last modific	ation:		
Approved:		-	

University: P. J. Š	afárik Univers	ity in Košice			
Faculty: Faculty o	of Science				
Course ID: CJP/ AJD1/07	Course name: English Language for PhD Students 1				
Course type, scop Course type: Pra Recommended c Per week: 2 Per Course method:	ctice ourse-load (h study period:	ours):			
Number of ECTS	credits: 2				
Recommended se	mester/trimes	ster of the cours	e: 1.		
Course level: III.					
Prerequisities:					
Conditions for co Written assignmendistance mode of i	nts - profession	nal CV, short aca	demic biography	y (200-350 words)).
Learning outcom	es:				
Brief outline of th	e course:				
Recommended lit	erature:				
Course language:					
Notes:					
Course assessmen Total number of as		ts: 649			
N	Ne	Р	Pr	abs	neabs
0.0	0.0	51.31	0.0	48.69	0.0
Provides: PhDr. H	elena Petruňo	vá, CSc., Mgr. Z	uzana Kolaříkov	vá, PhD.	1
Date of last modif	fication: 11.02	2.2021			
Approved:	,				

	árik University in Košice			
Faculty: Faculty of S	Science			
Course ID: CJP/ AJD2/07				
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: pr	ice irse-load (hours): udy period: 28			
Number of ECTS ci	redits: 3			
Recommended sem	ester/trimester of the course: 2.			
Course level: III.				
Prerequisities:				
	struction. Online consultations. cordance with the exam requirements (https://www.upjs.sk/filozoficka-fakulta			
(selected aspects of pragmatic competend	udents'language skills, improvement of students'linguistic competencie English pronunciation, vocabulary and syntax), development of students' ce (selected aspects of functional grammar) with focus on English for academi ss. B2/C1 level of lanugage competence (according to CEFR.)			
(noun and verb collo language, etc.), select etc.), selected function	course: academic and professional English with focus on vocabulary developmen cations, phrasal verbs, prepositional phrases, word-formation, formal/informa eted aspects of English grammar (prepositions, grammar tenses, passive voice onal grammar (expressing opinion, cause/effect, arguments, examples, etc.). cation. Cross-language interference.			
Academic communi				

Notes:					
Course assessm Total number of	ent f assessed studer	nts: 607			
Ν	Ne	Р	Pr	abs	neabs
0.33	0.0	92.59	1.32	5.77	0.0
Provides: PhDr.	Helena Petruňo	ová, CSc., Mgr. Zu	ızana Kolaříkova	á, PhD.	•
Date of last mo	dification: 10.0	2.2021			
Approved:					

University: P. J. Šaf	ärik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚINF/ FKAD/15	Course name: Formal co	oncept analysis	
Course type, scope Course type: Lectu Recommended cou Per week: 2 / 0 Per Course method: p	ure / Practice urse-load (hours): r study period: 28 / 0		
Number of ECTS c	redits: 8		
Recommended sem	ester/trimester of the cou	rse:	
Course level: III.			
Prerequisities:			
Conditions for cour	rse completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 0		
	Ν	Р	
	0.0 0.0		
Provides: prof. RNI	Dr. Stanislav Krajči, PhD.		
Date of last modific	eation: 03.05.2015		
Approved:			

	COURSE INFORMATION LETTER
University: P. J. Šafán	rik University in Košice
Faculty: Faculty of S	cience
Course ID: ÚINF/ AFJD/15	Course name: Formal languages and finite-state automata
Course type, scope a Course type: Lectur Recommended cour Per week: 2 Per stu Course method: pre	e ·se-load (hours): dy period: 28
Number of ECTS cro	edits: 9
Recommended seme	ster/trimester of the course:
Course level: III.	
Prerequisities:	
Conditions for cours Written test combined	e completion: 1 with an oral examinationi.
	v in the efficient representation of regular languages and finite state automata ection between automata and complexity theory.
nondeterministic, alte Regular expressions between finite state complexity for recog	ourse: languages and grammars. Finite state automata and its variants: deterministic ernating, probabilistic, quantum one-way, two-way, reversal bounded and grammars. Unary regular languages and their properties. Connection automata and complexity theory. Pushdown automata, time and space nition of context-free languages. Closure properties of contex-free, context vely enumerable languages.
of automata. J.E. Hopcroft, R.Motr computation, Addison J. Shallit: A second co 2009. M. Sipser: Introductio D.P.Bovet, P.Crescent J.van Leeuwen (ed.):	cations on the topic, especially those related to the descriptional complexity wani, J.D. Ullman: Introduction to automata theory, languages, and
Course language:	

Course assessment Total number of assessed students: 13			
Ν	Р		
0.0	100.0		
Provides: prof. RNDr. Viliam Geffert, DrSc.			
Date of last modification: 03.05.2015			
Approved:			

University: P. J. Šafa	árik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚINF/ NEM/15	NF/ Course name: Installing of new experimental methods			
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	urse-load (hours): dy period: resent			
Number of ECTS c				
	ester/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cour	Conditions for course completion:			
Learning outcomes:	:			
Brief outline of the	course:			
Recommended liter	Recommended literature:			
Course language:				
Notes:				
Course assessment Total number of asse	essed students: 3			
abs n				
100.0 0.0				
Provides:				
Date of last modific	ation: 03.05.2015			
Approved:				

University: P. J. Šaf	árik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚINF/ MK/15	Course name: Internation	Course name: International conference		
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent			
Number of ECTS c				
Recommended sem	ester/trimester of the cour	se:		
Course level: III.				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes	:			
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
Course assessment Total number of ass	essed students: 72			
abs n				
97.22 2.78				
Provides:				
Date of last modific	ation: 03.05.2015			
Approved:				

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: ÚINF/ ZKC/15	Course name: Internation	onal currented journal	
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent		
Number of ECTS c			
	ester/trimester of the cou	irse:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 20		
abs n			
100.0 0.0			
Provides:		•	
Date of last modific	ation: 03.05.2015		
Approved:			

University: P. J. Šaf	árik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚINF/ ZNC/15	Course name: Internation	Course name: International non-currented journal		
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pi	urse-load (hours): dy period: resent			
Number of ECTS c	redits: 8			
Recommended sem	ester/trimester of the cour	se:		
Course level: III.				
Prerequisities:				
Conditions for cour	rse completion:			
Learning outcomes	:			
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
Course assessment Total number of asse	essed students: 12			
abs n				
100.0 0.0				
Provides:				
Date of last modific	ation: 03.05.2015			
Approved:				

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: ÚINF/ NZ/15	Course name: Internationa	al or local not-reviewed proceedings	
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	irse-load (hours): dy period: resent		
Number of ECTS c	redits: 4		
Recommended sem	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	Learning outcomes:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:	Course language:		
Notes:	Notes:		
Course assessment Total number of assessed students: 20			
abs n			
100.0 0.0			
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:	Approved:		

University: P. J. Šaf	árik University in Košice	2		
Faculty: Faculty of Science				
Course ID: ÚINF/ DK/15	Course name: Local c	Course name: Local conference		
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent			
Number of ECTS c				
	ester/trimester of the co	ourse:		
Course level: III.				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes	:			
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
Course assessment Total number of asse	essed students: 27			
abs n				
100.0 0.0				
Provides:		-		
Date of last modific	ation: 03.05.2015			
Approved:				

University: P. J. Šafárik University in Košice				
Faculty: Faculty of S	Faculty: Faculty of Science			
Course ID: ÚINF/ DKZU/15	Course name: Local confe	erence with international participation		
Course type, scope a Course type: Recommended cou Per week: Per stue Course method: pr	irse-load (hours): dy period: esent			
Number of ECTS c	redits: 4			
Recommended sem	ester/trimester of the cours	e:		
Course level: III.				
Prerequisities:				
Conditions for cour	Conditions for course completion:			
Learning outcomes:	Learning outcomes:			
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:	Notes:			
Course assessment Total number of assessed students: 44				
abs n				
100.0 0.0				
Provides:				
Date of last modific	Date of last modification: 03.05.2015			
Approved:	Approved:			

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: ÚINF/ DKC/15	F/ Course name: Local currented journal		
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent		
Number of ECTS c			
	ester/trimester of the c	ourse:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 1		
abs n			
100.0 0.0			
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:	Approved:		

University: P. J. Šaf	ärik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚINF/ DNC/15	Course name: Local no	Course name: Local non-currented journal		
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent			
Number of ECTS c				
Recommended sem	ester/trimester of the cou	irse:		
Course level: III.				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes	:			
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
Course assessment Total number of ass	essed students: 4			
abs n				
100.0 0.0				
Provides:				
Date of last modific	ation: 03.05.2015			
Approved:				

LOGD/15 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 9 Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Conditions for course completion: Learning outcomes: To understand basic notions of predicate logic (logic language, term, formula, axioms, proof, provability, truth, model, syntax and semantics, soundness, completeness) and to check student's ability to formalize concisely. Brief outline of the course: Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic. Bolean algebras. Syntactic model, completeness of predicate logic. Bolean algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABITEBOUL, S. HULL, R., VIANU, V.: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course alaguage: N P N P 0.0 100.0	University: P. J. Šafá	rik University in Košice		
LOGD/15 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 9 Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Learning outcomes: To understand basic notions of predicate logic (logic language, term, formula, axioms, proof, provability, truth, model, syntax and semantics, soundness, completeness) and to check student's ability to formalize concisely. Brief outline of the course: Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability, Interpretation, truth, model. Correctness of the predicate logic. Boolean algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic in database systems. Recommended literature: I. GOLDSTERN, M., IUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABITEBOUL, S. HULL, R., VIANU, V: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course language: Notes: Course assessment Total number of assessed students: 7 N P O.0 N Provides: prof. RNDF. Stanislav Krajči, PhD.	Faculty: Faculty of Science			
Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 9 Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Learning outcomes: To understand basic notions of predicate logic (logic language, term, formula, axioms, proof, provability, truth, model, syntax and semantics, soundness, completeness) and to check student's ability to formalize concisely. Brief outline of the course: Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic. Boolcan algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic in database systems. Recommended literature: 1. GOLDSTERN, M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABTEBOUL, S. HULL, R., VIANU, V.: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course assessment Total number of assessed students: 7 N P </td <td>Course ID: ÚINF/ LOGD/15</td> <td colspan="3"></td>	Course ID: ÚINF/ LOGD/15			
Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Learning outcomes: To understand basic notions of predicate logic (logic language, term, formula, axioms, proof, provability, truth, model, syntax and semantics, soundness, completeness) and to check student's ability to formalize concisely. Brief outline of the course: Predicate logic - logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the course: Predicate logic - logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic. Boolean algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic in database systems. Recommended literature: I. GOLDSTERN, M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 ABITEBOUL, S. HULL, R., V	Course type: Lectur Recommended cour Per week: 2 Per stu	re rse-load (hours): dy period: 28		
Course level: III. Prerequisities: Conditions for course completion: Learning outcomes: To understand basic notions of predicate logic (logic language, term, formula, axioms, proof, provability, truth, model, syntax and semantics, soundness, completeness) and to check student's ability to formalize concisely. Brief outline of the course: Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic. Boolean algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic in database systems. Recommended literature: 1. GOLDSTERN, M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABITEBOUL, S. HULL, R., VIANU, V.: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course language: Notes: Course assessment O.0 100.0 Provides: prof. RNDr. Stanislav Krajči, PhD.	Number of ECTS cr	edits: 9		
Prerequisities: Conditions for course completion: Learning outcomes: To understand basic notions of predicate logic (logic language, term, formula, axioms, proof, provability, truth, model, syntax and semantics, soundness, completeness) and to check student's ability to formalize concisely. Brief outline of the course: Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic. Boolean algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic in database systems. Recommended literature: 1. GOLDSTERN, M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABITEBOUL, S. HULL, R., VIANU, V.: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course language: Notes: Notes	Recommended seme	ster/trimester of the cour	se:	
Conditions for course completion: Learning outcomes: To understand basic notions of predicate logic (logic language, term, formula, axioms, proof, provability, truth, model, syntax and semantics, soundness, completeness) and to check student's ability to formalize concisely. Brief outline of the course: Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic. Boolean algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic in database systems. Recommended literature: 1. GOLDSTERN, M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABITEBOUL, S. HULL, R., VIANU, V.: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course language: Notes: Course assessment Total number of assessed students: 7 N P 0.0 100.0 Provides: prof. RNDr. Stanislav Krajči, PhD.	Course level: III.			
Learning outcomes: To understand basic notions of predicate logic (logic language, term, formula, axioms, proof, provability, truth, model, syntax and semantics, soundness, completeness) and to check student's ability to formalize concisely. Brief outline of the course: Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic. Boolean algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic in database systems. Recommended literature: 1. GOLDSTERN, M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABITEBOUL, S. HULL, R., VIANU, V.: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course language: N 0.0 100.0 P 0.0 0.0 100.0	Prerequisities:			
To understand basic notions of predicate logic (logic language, term, formula, axioms, proof, provability, truth, model, syntax and semantics, soundness, completeness) and to check student's ability to formalize concisely. Brief outline of the course: Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic. Boolean algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic in database systems. Recommended literature: 1. GOLDSTERN, M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABITEBOUL, S. HULL, R., VIANU, V.: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course language: Notes: Course assessment Total number of assessed students: 7 N P 0.0 Provides: prof. RNDr, Stanislav Krajči, PhD.	Conditions for cours	e completion:		
Predicate logic – logic language, syntax and semantics, term, formula. Axioms, proof, provability. Interpretation, truth, model. Correctness of the predicate logic. Boolean algebras. Syntactic model, completeness of predicate logic. Inductive structures in general. Aplications of logic in database systems. Recommended literature: 1. GOLDSTERN, M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABITEBOUL, S. HULL, R., VIANU, V.: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course language: Notes: Course assessment Total number of assessed students: 7 N P 0.0 100.0 Provides: prof. RNDr. Stanislav Krajči, PhD.	provability, truth, mo	del, syntax and semantics,		
1. GOLDSTERN, M., JUDAH H.: The Incompleteness Phenomenon, A New Course in Mathematical Logic, A K Peters, Wellesley, Massachusetts, 1995 2. ABITEBOUL, S. HULL, R., VIANU, V.: Foundations of databases, Addison-Wesley Publishing Co, 1995 Course language: Notes: Course assessment Total number of assessed students: 7 N P 0.0 100.0 Provides: prof. RNDr. Stanislav Krajči, PhD.	Axioms, proof, prova Interpretation, truth, r Correctness of the pro- Boolean algebras. Syntactic model, com Inductive structures i	bility. model. edicate logic. npleteness of predicate logi n general.		
Notes: Course assessment Total number of assessed students: 7 P 0.0 100.0 Provides: prof. RNDr. Stanislav Krajči, PhD. P	 GOLDSTERN, M. Mathematical Logic, ABITEBOUL, S. I 	, JUDAH H.: The Incompl A K Peters, Wellesley, Ma	ssachusetts, 1995	
Course assessment Total number of assessed students: 7 N P 0.0 100.0 Provides: prof. RNDr. Stanislav Krajči, PhD.	Course language:			
N P 0.0 100.0 Provides: prof. RNDr. Stanislav Krajči, PhD.	Notes:			
0.0 100.0 Provides: prof. RNDr. Stanislav Krajči, PhD.	Course assessment Total number of asses	ssed students: 7		
Provides: prof. RNDr. Stanislav Krajči, PhD.		N P		
		0.0 100.0		
Date of last modification: 03.05.2015	Provides: prof. RNDr. Stanislav Krajči, PhD.			
	Date of last modifica	tion: 03.05.2015	-	

Approved:

University: P. J. Šafa	árik University in Košice		
Faculty: Faculty of Science			
Course ID: ÚINF/ POVK/15	F/ Course name: Membership in a conference organizing committee		
Course type, scope a Course type: Recommended cou Per week: Per stud Course method: pr	irse-load (hours): dy period: esent		
Number of ECTS ci			
Recommended sem	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes:			
Brief outline of the	course:		
Recommended liter	ature:		
Course language:	Course language:		
Notes:			
Course assessment Total number of asse	essed students: 21		
abs n			
100.0 0.0			
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:			

	University: P. J. Šafá	irik University in Košice		
MUID/15 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 9 Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Learning outcomes: To understand methods used to solve problems in the following two areas: 1. 1. Learning from experimental data - examples, samples, measurements, records, and observatio 2. Expert systems - types, analysis, construction. Brief outline of the course: To construct the adaptive mechanisms to be enable or facilitate intelligent behaviour in compl and changing environments. Learning and soft computing - real using, motivation, basic knowledge. Mathematical methods soft computing. Vector machines, neural networks, fuzzy logic systems. Recommended literature: 1. 1. KECMAN, V.: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 3. ENGELBRECHT, A. P. Computational Intelligence. John Willey & Sons, Ltd, 2005 4. de CASTRO, L. N.: Fundamentals of natural computing. Chapman & Hall/CRC, 2006 Course language: N Notes: If necessary, teaching, mid-term and final evaluation will be by distance form (hangouts). <	Faculty: Faculty of S	Science		
Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present Number of ECTS credits: 9 Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Learning outcomes: To learn a design of algorithmic models to solve increasingly complex problems. To understand methods used to solve problems in the following two areas: 1. Learning from experimental data - examples, samples, measurements, records, and observatio Expert systems - types, analysis, construction. Brief outline of the course: To construct the adaptive mechanisms to be enable or facilitate intelligent behaviour in compl and changing environments. Learning and soft computing - real using, motivation, basic knowledge. Mathematical methods soft computing. Vector machines, neural networks, fuzzy logic systems. Recommended literature: I. KECMAN, V: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 S. SMOLENSKY, P., LEGENDRE, G.: The harmonic mind. Vol. 1: Cognitive archit		Course name: Methods o	f computational learning and artificial intelligence	
Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Learning outcomes: To learn a design of algorithmic models to solve increasingly complex problems. To understand methods used to solve problems in the following two areas: 1. Learning from experimental data - examples, samples, measurements, records, and observatio 2. Expert systems - types, analysis, construction. Brief outline of the course: To construct the adaptive mechanisms to be enable or facilitate intelligent behaviour in compl and changing environments. Learning and soft computing, motivation, basic knowledge. Mathematical methods soft computing - real using, motivation, basic knowledge. Mathematical methods soft computing. Vector machines, neural networks, fuzzy logic systems. Recommended literature: 1. KECMAN, V:: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 2. BALDI, P., LEGENDRE, G.: The harmonic mind. Vol. 1: Cognitive architectures. MI Press, 2006 Course language: Notes: If necessary, teaching, mid-term and final evaluation will be by distance form (hangouts). <td>Course type: Lectu Recommended cou Per week: 2 Per stu</td> <th>re rse-load (hours): ıdy period: 28</th> <th></th>	Course type: Lectu Recommended cou Per week: 2 Per stu	re rse-load (hours): ıdy period: 28		
Course level: III. Prerequisities: Conditions for course completion: Learning outcomes: To learn a design of algorithmic models to solve increasingly complex problems. To understand methods used to solve problems in the following two areas: 1. Learning from experimental data - examples, samples, measurements, records, and observatio Expert systems - types, analysis, construction. Brief outline of the course: To construct the adaptive mechanisms to be enable or facilitate intelligent behaviour in compl and changing environments. Learning and soft computing - real using, motivation, basic knowledge. Mathematical methods soft computing. Vector machines, neural networks, fuzzy logic systems. Recommended literature: 1. KECMAN, V.: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 3. ENGELBRECHT, A. P. Computational Intelligence. John Willey & Sons, Ltd, 2005 4. de CASTRO, L. N.: Fundamentals of natural computing. Chapman & Hall/CRC, 2006 5. SMOLENSKY, P., LEGENDRE, G.: The harmonic mind. Vol. 1: Cognitive architectures. MI Press, 2006 Course language: Notes: If necessary, teaching, mid-term and final evaluation will be by dist	Number of ECTS cr	edits: 9		
Prerequisities: Conditions for course completion: Learning outcomes: To learn a design of algorithmic models to solve increasingly complex problems. To understand methods used to solve problems in the following two areas: 1. Learning from experimental data - examples, samples, measurements, records, and observatio 2. Expert systems - types, analysis, construction. Brief outline of the course: To construct the adaptive mechanisms to be enable or facilitate intelligent behaviour in compl and changing environments. Learning and soft computing - real using, motivation, basic knowledge. Mathematical methods soft computing. Vector machines, neural networks, fuzzy logic systems. Recommended literature: 1. KECMAN, V.: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 3. ENGELBRECHT, A. P. Computational Intelligence. John Willey & Sons, Ltd, 2005 4. de CASTRO, L. N.: Fundamentals of natural computing. Chapman & Hall/CRC, 2006 5. SMOLENSKY, P., LEGENDRE, G.: The harmonic mind. Vol. 1: Cognitive architectures. MIP Press, 2006 Course language: Notes: If necessary, teaching, mid-term and final evaluation will be by distance form (hangouts). Course assessment Total number of assessed students: 10 N P	Recommended seme	ester/trimester of the cour	ˈse:	
Conditions for course completion: Learning outcomes: To learn a design of algorithmic models to solve increasingly complex problems. To understand methods used to solve problems in the following two areas: 1. Learning from experimental data - examples, samples, measurements, records, and observatio 2. Expert systems - types, analysis, construction. Brief outline of the course: To construct the adaptive mechanisms to be enable or facilitate intelligent behaviour in compl and changing environments. Learning and soft computing - real using, motivation, basic knowledge. Mathematical methods soft computing. Vector machines, neural networks, fuzzy logic systems. Recommended literature: 1. KECMAN, V:: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 3. ENGELBRECHT, A. P. Computational Intelligence. John Willey & Sons, Ltd, 2005 4. de CASTRO, L. N.: Fundamentals of natural computing. Chapman & Hall/CRC, 2006 SMOLENSKY, P., LEGENDRE, G.: The harmonic mind. Vol. 1: Cognitive architectures. MI Press, 2006 Course language: Notes: If necessary, teaching, mid-term and final evaluation will be by distance form (hangouts). Course assessement <td c<="" td=""><td>Course level: III.</td><th></th><th></th></td>	<td>Course level: III.</td> <th></th> <th></th>	Course level: III.		
Learning outcomes: To learn a design of algorithmic models to solve increasingly complex problems. To understand methods used to solve problems in the following two areas: 1. Learning from experimental data - examples, samples, measurements, records, and observatio 2. Expert systems - types, analysis, construction. Brief outline of the course: To construct the adaptive mechanisms to be enable or facilitate intelligent behaviour in compland changing environments. Learning and soft computing - real using, motivation, basic knowledge. Mathematical methods soft computing. Vector machines, neural networks, fuzzy logic systems. Recommended literature: 1. KECMAN, V.: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 3. ENGELBRECHT, A. P. Computational Intelligence. John Willey & Sons, Ltd, 2005 4. de CASTRO, L. N.: Fundamentals of natural computing. Chapman & Hall/CRC, 2006 5. SMOLENSKY, P., LEGENDRE, G.: The harmonic mind. Vol. 1: Cognitive architectures. MIPress, 2006 Course language: Notes: If necessary, teaching, mid-term and final evaluation will be by distance form (hangouts). Course assessment Total number of assessed students: 10 N P 0.0 100.0	Prerequisities:			
To learn a design of algorithmic models to solve increasingly complex problems. To understand methods used to solve problems in the following two areas: 1. Learning from experimental data - examples, samples, measurements, records, and observatio 2. Expert systems - types, analysis, construction. Brief outline of the course: To construct the adaptive mechanisms to be enable or facilitate intelligent behaviour in compland changing environments. Learning and soft computing - real using, motivation, basic knowledge. Mathematical methods soft computing. Vector machines, neural networks, fuzzy logic systems. Recommended literature: 1. KECMAN, V.: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 3. ENGELBRECHT, A. P. Computational Intelligence. John Willey & Sons, Ltd, 2005 4. dc ASTRO, L. N.: Fundamentals of natural computing. Chapman & Hall/CRC, 2006 5. SMOLENSKY, P., LEGENDRE, G.: The harmonic mind. Vol. 1: Cognitive architectures. MI Press, 2006 Course language: N P 0.0 100.0	Conditions for cour	se completion:		
To construct the adaptive mechanisms to be enable or facilitate intelligent behaviour in compland changing environments. Learning and soft computing - real using, motivation, basic knowledge. Mathematical methods soft computing. Vector machines, neural networks, fuzzy logic systems. Recommended literature: 1. KECMAN, V.: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 3. ENGELBRECHT, A. P. Computational Intelligence. John Willey & Sons, Ltd, 2005 4. de CASTRO, L. N.: Fundamentals of natural computing. Chapman & Hall/CRC, 2006 5. SMOLENSKY, P., LEGENDRE, G.: The harmonic mind. Vol. 1: Cognitive architectures. MIPress, 2006 Course language: Notes: If necessary, teaching, mid-term and final evaluation will be by distance form (hangouts). Course assessment Total number of assessed students: 10 N P 0.0 100.0	To understand metho 1. Learning from exp	ods used to solve problems a perimental data - examples, s	in the following two areas: samples, measurements, records, and observations	
Recommended literature: 1. KECMAN, V.: Learning and Soft Computing, MIT Press, 2001 2. BALDI, P., BRUNAK, S.: Bioinformatics, MIT Press, 2001 3. ENGELBRECHT, A. P. Computational Intelligence. John Willey & Sons, Ltd, 2005 4. de CASTRO, L. N.: Fundamentals of natural computing. Chapman & Hall/CRC, 2006 5. SMOLENSKY, P., LEGENDRE, G.: The harmonic mind. Vol. 1: Cognitive architectures. MI Press, 2006 Course language: Notes: If necessary, teaching, mid-term and final evaluation will be by distance form (hangouts). Course assessment Total number of assessed students: 10 N P 0.0 100.0	To construct the ada and changing environ Learning and soft co	ptive mechanisms to be en nments. mputing - real using, motive	ation, basic knowledge. Mathematical methods for	
Notes: If necessary, teaching, mid-term and final evaluation will be by distance form (hangouts). Course assessment Total number of assessed students: 10 N P 0.0 100.0	Recommended liter 1. KECMAN, V.: Le 2. BALDI, P., BRUN 3. ENGELBRECHT 4. de CASTRO, L. N 5. SMOLENSKY, P.	ature: arning and Soft Computing JAK, S.: Bioinformatics, M , A. P. Computational Intell J.: Fundamentals of natural	g, MIT Press, 2001 IIT Press, 2001 igence. John Willey & Sons, Ltd, 2005 computing. Chapman & Hall/CRC, 2006	
If necessary, teaching, mid-term and final evaluation will be by distance form (hangouts). Course assessment Total number of assessed students: 10 N P 0.0 100.0	Course language:			
N P 0.0 100.0		g, mid-term and final evalu	ation will be by distance form (hangouts).	
0.0 100.0		essed students: 10		
		N	Р	
Provides: doc RNDr Gabriela Andreiková CSc		0.0	100.0	
rovines, doe. Krabi. Gabriela Andrejkova, CSC.	Provides: doc. RND	r Gabriela Andreiková CS	c	

Approved:

		MATION LETTER
University: P. J. Šafá	rik University in Košice	
Faculty: Faculty of S	science	
Course ID: ÚINF/Course name: Modelling and analysis of security protocols/IBPD/15		
Course type, scope a Course type: Lectur Recommended cou Per week: 2 Per stu Course method: pro	re rse-load (hours): Idy period: 28	
Number of ECTS cr	redits: 9	
Recommended seme	ester/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cours Written and oral exam	-	
and standard method formal models and kn	s of attacks to them. To und	graphic authentication and certification schemes lerstand the theoretical background of a design of lise them in practise. To know the actual problems graphic protocols.
of cryptographic pro-	certification schemes, key d tocols and methods for their	listribution and maintenance. Formal description analysis. Algebraic and logic methods for attack s. Datalog for automatic security verification.
Wesley, 2001 2. HUTH, M., RYAN CUP, 1999	CHNEIDER, S.A.: Modellin	ng and Analysis of Security Protocols, Addison cience - Modelling and Reasoning about Systems, ONE, S.: Handbook of Applied Cryptography,
Course language:		
Notes:		
Course assessment Total number of asse	ssed students: 4	
	Ν	Р
	0.0	100.0
Provides: prof. RND	r. Gabriel Semanišin, PhD.,	doc. RNDr. Jozef Jirásek, PhD.
Date of last modifica	ation: 03.05.2015	

Approved:

University: P. J. Šafá	árik University in Koš	lice	
Faculty: Faculty of S			
Course ID: ÚINF/ MNID/15	ourse ID: ÚINF/ Course name: Models of imperfect information		
Course type, scope a Course type: Lectu Recommended cou Per week: 2 Per stu Course method: pr	re irse-load (hours): udy period: 28		
Number of ECTS cr	redits: 9		
Recommended seme	ester/trimester of the	e course:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes: To give the students and write scientific p	basic techniques in s	ystems processing imperfect information to be able read	
artificial intelligence Fuzzy sets, construct	e. tions of fuzzy sets fro	rova belief. Necessity and possibility. Uncertainty in m statistic data. arkov and Bayesian networks, belief updating, belief	
Morgan – Kaufmann 2. JENSEN, F. V.: A 3. DUBOIS, D., Prac	bilistic Reasoning in I n, San Francisco, CA, n Introduction to Bay de, H.: Possibility The	ntelligent Systems: Networks of Plausible Inference, 1988 esian networks, UCL Press, 1996 eory. Plenum Press, N.York, 1988 Companion. Cambridge University Press, 1994	
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 2		
	N	Р	
	0.0	100.0	
Provides: prof. RND	Dr. Stanislav Krajči, Pl	nD.	
Date of last modific	ation: 03.05.2015		

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: ÚINF/ Course name: Neurocognition		
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 credits: 9		
Recommended semester/trimester of the cours	e:	
Course level: III.		
Prerequisities:		
Conditions for course completion: project, exam		
Learning outcomes: Skills in quantitative analysis and modeling of ne	eural data.	
Brief outline of the course:		
Recommended literature: Gazzaniga M. (ed.): The New Cognitive Neurosci Dayan P and LF Abbott: Theoretical Neurosci of Neural Systems. MIT Press, 2001 Stillings et al.: Cognitive Science: An Introduction Hertz J, Krogh A and Palmer RG: Introduction to Wesley 1991 Duda, Hart, and Stork (2001). Pattern Classificat	ce - Computational and Mathematical Modeling on, 2nd ed., MIT Press, 1995 o the theory of neural computation. Addison-	
Course language: English		
Notes:		
Course assessment Total number of assessed students: 3		
Ν	р	
0.0 100.0		
Provides: doc. Ing. Norbert Kopčo, PhD.		
Date of last modification: 03.05.2015		
Approved:		

University: P. J. Šaf	árik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚINF/ IG/15			
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent		
Number of ECTS c			
	ester/trimester of the cou	Irse:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 32		
abs n			
100.0 0.0			
Provides:		· · · · · · · · · · · · · · · · · · ·	
Date of last modific	ation: 03.05.2015		
Approved:			

University: P. J. Šaf	árik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚINF/ PVS/15			
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent		
Number of ECTS c			
	ester/trimester of the cou	irse:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 11		
abs n			
100.0 0.0			
Provides:		•	
Date of last modific	ation: 03.05.2015		
Approved:			

University: P. J. Šafá	arik University in Košice		
Faculty: Faculty of S	Faculty: Faculty of Science		
Course ID: ÚINF/ VYS/15			
Course type, scope a Course type: Recommended cou Per week: Per stuc Course method: pr	rse-load (hours): ly period: esent		
Number of ECTS cr			
Recommended seme	ester/trimester of the cours	se:	
Course level: III.	Course level: III.		
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes:			
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 76		
abs n			
100.0 0.0			
Provides:			
Date of last modific:	ation: 03.05.2015		
Approved:			

Faculty of ScienceCourse ID: ÚINF/ PAHD/15Course name: Probabilistic and appr PaHD/15Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: presentNumber of ECTS credits: 9Recommended semester/trimester of the course: Course level: III.Prerequisities:Conditions for course completion: Written test combined with an oral examination.Learning outcomes: Providing en extended backgroung in the area of probabilis respect to their classification, efficiency, and probability of	
PAHD/15 Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present Number of ECTS credits: 9 Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Written test combined with an oral examination. Learning outcomes: Providing en extended backgroung in the area of probabilis	
Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present Number of ECTS credits: 9 Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Written test combined with an oral examination. Learning outcomes: Providing en extended backgroung in the area of probabilis	
Recommended semester/trimester of the course: Course level: III. Prerequisities: Conditions for course completion: Written test combined with an oral examination. Learning outcomes: Providing en extended backgroung in the area of probabilis	
Course level: III. Prerequisities: Conditions for course completion: Written test combined with an oral examination. Learning outcomes: Providing en extended backgroung in the area of probabilis	
Prerequisities: Conditions for course completion: Written test combined with an oral examination. Learning outcomes: Providing en extended backgroung in the area of probabilis	
Conditions for course completion: Written test combined with an oral examination. Learning outcomes: Providing en extended backgroung in the area of probabilis	
Written test combined with an oral examination. Learning outcomes: Providing en extended backgroung in the area of probabilis	
Providing en extended backgroung in the area of probabilis	
Brief outline of the course: Basic probabilistic computational models, Las Vegas a Probabilistic classes with polynomial time. Foiling the adve	
 Recommended literature: 1. HROMKOVIČ, J.: Design and analysis of ranodmized a ISBN 3-540-23949-9. 2. MOTWANI, R. and RAGHAVAN, P.: Randomized Algo 1995. ISBN 0-521-47465-5 3. MITZEMANCHER, M. and UPFAL, E.: Probability and and Probabilistic Analysis. Cambridge University Press 200 4. HROMKOVIČ, J.: Communication Protocols - An Exen Randomness. In: Handbook on Randomized Computing, P. J.Rolim, Eds., Kluwer Publ., 2001. 	rithms. Cambridge University Press Computing: Randomized Algorithms 05. ISBN 0-521-83540 2 nplary Study of the Power of
Course language:	
Notes:	
Course assessment Total number of assessed students: 10	
N	Р
0.0	100.0
Provides: prof. RNDr. Viliam Geffert, DrSc., prof. RNDr. (
Date of last modification: 03.05.2015	fabriel Semanišin, PhD.

Approved:

University: P. J. Šafárik University in Košice		
Faculty: Faculty of Science		
Course ID: ÚINF/ Course name: Quantum algorithms CVAD/15 Course name: Quantum algorithms		
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 0 Per study period: 28 / 0 Course method: present		
Number of ECTS credits: 8		
Recommended semester/trimester of the co	urse:	
Course level: III.		
Prerequisities:		
Conditions for course completion: oral exam		
Learning outcomes: To learn how quantum algorithms can be use cryptology.	d for solving hard problems, in coding theory and in	
· · · ·	of quantum computing. Fast factorisation. Qunatum hard problems. The class BQNP - an analogy of the raphy.	
Recommended literature: 1. GRUSKA, J. Quantum Computing. McGra 2. HIRVENSALO, M. Quantum Computing, 3. KITAEV, A.Y., SHEN, A.H., VYVALYI, M American Mathematical Society, 2002. 4. NIELSEN, M.A., CHUANG, I.L. Quantur Cambridge University Press, 2000. 5. STEEB, W. H., HARDY, Y. Problems And Information. World Scientific Publishing Cor	Springer, 2004. M.N. Classical and Quantum Computation. n Computation and Quantum Information. Solutions in Quantum Computing And Quantum	
Course language:		
Notes:		
Course assessment Total number of assessed students: 0		
Ν	Р	
0.0	0.0	
Provides: prof. RNDr. Gabriel Semanišin, Ph	D.	
Date of last modification: 03.05.2015		

Approved:

University: P. J. Šaf	árik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚINF/ VPBP/15			
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent		
Number of ECTS c	redits: 2		
Recommended sem	ester/trimester of the cour	·se:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 49		
abs n			
100.0 0.0			
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:			

University: P. J. Šaf	árik University in Košice	
Faculty: Faculty of Science		
Course ID: ÚINF/ RZ/15		
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pi	urse-load (hours): dy period: resent	
Number of ECTS c		
	ester/trimester of the cours	e:
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of asse	essed students: 95	
abs n		
100.0 0.0		
Provides:		
Date of last modific	ation: 03.05.2015	
Approved:		

University: P. J. Šaf	árik University in Košice		
Faculty: Faculty of	Faculty: Faculty of Science		
Course ID: ÚINF/ SCI/15			
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pi	urse-load (hours): dy period: resent		
Number of ECTS c			
	ester/trimester of the co	irse:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 5		
abs n			
100.0 0.0			
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:			

University: P. J. Šafa	irik University in Košice	
Faculty: Faculty of S	Science	
Course ID: ÚINF/ SOS1a/15	Course name: Special bra	nch seminar
Course type, scope a Course type: Practi Recommended cou Per week: 2 Per stu Course method: pr	ce irse-load (hours): idy period: 28	
Number of ECTS ci	redits: 5	
Recommended seme	ester/trimester of the cours	se: 1.
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
poznatkov orientova	e usmernenie študenta k sa	mostatnému a tvorivému získavaniu najnovších znú téme dizertačnej práce, a takisto priebežné xy prezentovať.
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of asse	essed students: 36	
	abs	n
	100.0	0.0
Provides: doc. RND	r. Gabriela Andrejková, CSc	., prof. RNDr. Viliam Geffert, DrSc.
Date of last modific	ation: 03 05 2015	
Date of last mounts	actor: 05.05.2015	

University: P. J. Šaf	árik University in Košice	
Faculty: Faculty of	Science	
Course ID: ÚINF/ SOS1b/15	Course name: Special bras	ich seminar
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice 1rse-load (hours): udy period: 28	
Number of ECTS c	redits: 5	
Recommended sem	ester/trimester of the cours	e: 2.
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes	•	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of ass	essed students: 34	
	abs	n
100.0 0.0		
Provides: doc. RND	r. Gabriela Andrejková, CSc	, prof. RNDr. Viliam Geffert, DrSc.
Date of last modific	ation: 03.05.2015	
Approved:		

University: P. J. Šafa	árik University in Košice	
Faculty: Faculty of	Science	
Course ID: ÚINF/ SOS2a/15	Course name: Special bran	nch seminar
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice ırse-load (hours): udy period: 28	
Number of ECTS c	redits: 5	
Recommended sem	ester/trimester of the cours	e: 3.
Course level: III.		
Prerequisities:		
Conditions for cour	rse completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of asse	essed students: 31	
	abs	n
100.0 0.0		
Provides: doc. RND	r. Gabriela Andrejková, CSc	., prof. RNDr. Viliam Geffert, DrSc.
Date of last modific	ation: 03.05.2015	
Approved:		

University: P. J. Šaf	árik University in Košice	
Faculty: Faculty of	Science	
Course ID: ÚINF/ SOS2b/15	Course name: Special bras	nch seminar
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice 1rse-load (hours): udy period: 28	
Number of ECTS c	redits: 5	
Recommended sem	ester/trimester of the cours	e: 4.
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of ass	essed students: 30	
	abs	n
100.0 0.0		
Provides: doc. RND	r. Gabriela Andrejková, CSc	, prof. RNDr. Viliam Geffert, DrSc.
Date of last modific	ation: 03.05.2015	
Approved:		

University: P. J. Šaf	árik University in Košice	
Faculty: Faculty of	Science	
Course ID: ÚINF/ SOS3a/15	Course name: Special bra	nch seminar
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice 1rse-load (hours): udy period: 28	
Number of ECTS c	redits: 5	
Recommended sem	ester/trimester of the cours	e: 5.
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of ass	essed students: 32	
	abs	n
100.0 0.0		
Provides: doc. RND	r. Gabriela Andrejková, CSc	., prof. RNDr. Viliam Geffert, DrSc.
Date of last modific	ation: 03.05.2015	
Approved:		

University: P. J. Šaf	árik University in Košice	
Faculty: Faculty of	Science	
Course ID: ÚINF/ SOS3b/15	Course name: Special bras	ıch seminar
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice 1rse-load (hours): udy period: 28	
Number of ECTS c	redits: 5	
Recommended sem	ester/trimester of the cours	e: 6.
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	rature:	
Course language:		
Notes:		
Course assessment Total number of asse	essed students: 33	
	abs	n
100.0 0.0		
Provides: doc. RND	r. Gabriela Andrejková, CSc	, prof. RNDr. Viliam Geffert, DrSc.
Date of last modific	ation: 03.05.2015	
Approved:		

University: P. J. Šaf	árik University in Košice	
Faculty: Faculty of	Science	
Course ID: ÚINF/ SOS4a/15	Course name: Special bra	nch seminar
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice 1rse-load (hours): udy period: 28	
Number of ECTS c	redits: 5	
Recommended sem	ester/trimester of the cours	e: 7.
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of ass	essed students: 22	
	abs	n
100.0 0.0		
Provides: doc. RND	r. Gabriela Andrejková, CSc	., prof. RNDr. Viliam Geffert, DrSc.
Date of last modific	ation: 03.05.2015	
Approved:		

University: P. J. Šaf	árik University in Košice	
Faculty: Faculty of	Science	
Course ID: ÚINF/ SOS4b/15	Course name: Special bras	nch seminar
Course type, scope Course type: Pract Recommended cou Per week: 2 Per st Course method: pr	ice 1rse-load (hours): udy period: 28	
Number of ECTS c	redits: 5	
Recommended sem	ester/trimester of the cours	e: 8.
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
Learning outcomes	:	
Brief outline of the	course:	
Recommended liter	ature:	
Course language:		
Notes:		
Course assessment Total number of ass	essed students: 22	
	abs	n
100.0 0.0		
Provides: doc. RND	r. Gabriela Andrejková, CSc	, prof. RNDr. Viliam Geffert, DrSc.
Date of last modific	ation: 03.05.2015	
Approved:		

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: Dek. PF UPJŠ/JSD/14	Course name: Spring Scho	ool for PhD Students	
Course type, scope a Course type: Lectur Recommended cour Per week: Per stud Course method: pre	e rse-load (hours): y period: 4d		
Number of ECTS cr	edits: 2		
Recommended seme	ster/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cours	e completion:		
Learning outcomes:			
Brief outline of the c	ourse:		
Recommended litera	iture:		
Course language:			
Notes:			
Course assessment Total number of asses	ssed students: 154		
	abs	n	
100.0 0.0			
Provides: prof. RND	Provides: prof. RNDr. Katarína Cechlárová, DrSc.		
Date of last modifica	tion: 03.05.2015		
Approved:			

University: P. J. Šaf	árik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚINF/ ZSP/15	Course name: Studies a	at foreign universities	
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent		
Number of ECTS c			
Recommended sem	ester/trimester of the cou	irse:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 19		
	abs	n	
100.0 0.0			
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:			

University: P. J. Šafa	árik University in Košice		
Faculty: Faculty of S	Science		
Course ID: ÚINF/ VPSV/15	Course name: Supervision	n of a students scientific work	
Course type, scope : Course type: Recommended cou Per week: Per stu Course method: pr	urse-load (hours): dy period: resent		
Number of ECTS c			
	ester/trimester of the cours	e:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of asse	essed students: 21		
	abs n		
100.0 0.0			
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:			

University: P. J. Šaf	árik University in Košice		
Faculty: Faculty of	Science		
Course ID: ÚINF/ VBP/15	Course name: Supervision	on of bachelor thesis	
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	ırse-load (hours): dy period:		
Number of ECTS c	redits: 6		
Recommended sem	ester/trimester of the cou	·se:	
Course level: III.			
Prerequisities:			
Conditions for cour	se completion:		
Learning outcomes	:		
Brief outline of the	course:		
Recommended liter	ature:		
Course language:			
Notes:			
Course assessment Total number of ass	essed students: 51		
	abs	n	
100.0 0.0			
Provides:			
Date of last modific	ation: 03.05.2015		
Approved:			

University: r. J. Sala	árik University in Košice	
Faculty: Faculty of S	Science	
Course ID: ÚINF/ TNSD/15	Course name: Theoretica	al aspects of neural networks
Course type, scope a Course type: Lectu Recommended cou Per week: 2 Per stu Course method: pr	rre rrse-load (hours): udy period: 28	
Number of ECTS c	redits: 9	
Recommended sem	ester/trimester of the cour	se:
Course level: III.		
Prerequisities:		
Conditions for cour	se completion:	
		networks and to know their capabilities. To be able some problems.
Computational com capability of neural n machines to neural n	plexity of neural network networks, a transformation on networks. netions using neural netwo	apabilities to solve some problems. ss, probabilistic neural networks, computational of neural networks to Turing machines, and Turing orks, Kolmogorov theorem and its proof, theorems
<i>,</i>	I.: Fundamentals of artificia	l neural networks, The MIT Press, 1995 nsive foundation, Prentice-Hall, second edition
1999 3. HERTZ, J., KROO Addison Wesley, 199	GH, A., PALMER, R.G.: Int 91	troduction to the theory of neural computation, htroduction. Springer - Verlag, 1996
1999 3. HERTZ, J., KROO Addison Wesley, 199	GH, A., PALMER, R.G.: Int 91	troduction to the theory of neural computation,
1999 3. HERTZ, J., KROO Addison Wesley, 199 4. ROJAS, R.: Neura	GH, A., PALMER, R.G.: Int 91	troduction to the theory of neural computation,
1999 3. HERTZ, J., KROO Addison Wesley, 199 4. ROJAS, R.: Neura Course language:	GH, A., PALMER, R.G.: Int 91 al networks. A systematic in	troduction to the theory of neural computation,
1999 3. HERTZ, J., KROO Addison Wesley, 199 4. ROJAS, R.: Neura Course language: Notes: Course assessment	GH, A., PALMER, R.G.: Int 91 al networks. A systematic in	troduction to the theory of neural computation,
1999 3. HERTZ, J., KROO Addison Wesley, 199 4. ROJAS, R.: Neura Course language: Notes: Course assessment	GH, A., PALMER, R.G.: Int 91 al networks. A systematic in essed students: 24	troduction to the theory of neural computation, htroduction. Springer - Verlag, 1996
1999 3. HERTZ, J., KROO Addison Wesley, 199 4. ROJAS, R.: Neura Course language: Notes: Course assessment Total number of asse	GH, A., PALMER, R.G.: Int 91 al networks. A systematic in essed students: 24 N	troduction to the theory of neural computation, htroduction. Springer - Verlag, 1996

Approved:

University: P. J. Šaf	árik University in Košice			
Faculty: Faculty of Science				
Course ID: ÚINF/ PDS/18	Course name: Writing Dissertation Thesis			
Course type, scope Course type: Recommended cou Per week: Per stu Course method: pr	ırse-load (hours): dy period:			
Number of ECTS c	redits: 0			
Recommended semester/trimester of the course:				
Course level: III.				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes	:			
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
Notes:				
Course assessment Total number of ass	essed students: 2			
	Ν	Р		
	0.0	100.0		
Provides:				
Date of last modific	ation: 20.02.2020			
Approved:	_			