

PROJECT ERASMUS+

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### INTRODUCTION

Dear Students,

Welcome to the Faculty of Information Technologies

Our mission is to provide students with contemporary experiential learning through the teaching process, practice, study visits, conferences and many other activities.

For more information about our activities, please check the following links:

### STUDYING TROUGHT PRACTICE

https://sveuciliste.unvi.edu.ba/za-studente/studiranje-kroz-praksu/

### STUDENTS' SKEI CONFERENCE

https://sveuciliste.unvi.edu.ba/skei-2023/

# SKEI-INTERNATIONAL INTERDISCIPLINARY JOURNAL

https://hrcak.srce.hr/en/skei

#### INTERNATIONAL STUDIES

https://international.unvi.edu.ba/

The list of subjects taught in English:

WINTER SEMESTER	SUMMER SEMESTER
-	Computer Networks
-	<ul> <li>Protection of data and computer systems</li> </ul>
<ul><li>Collection of software requirements</li><li>Computer Forensics</li></ul>	<ul><li>Advanced Computer Networks</li><li>Artificial Intelligence</li></ul>

## **SYLLABUS**

NAME OF THE COURSE	COMPUTER NETWORKS								
LEVEL OF STUDY	Undergraduate								
Course code	1.2.1.I021	.2.1.I021 Year of study II							
Course holder(s)	prof. dr. sc. Tihomir Latinović Credit value (ECTS) 8								
Associates	·								
COURSE									
AIM OF THE COURSE	Students will master the basic techniques and practical approach to the design and construction of distributed information systems. It deals with the architecture and organization of distributed systems, computer networks and telecommunications, as well as problems in the design and mplementation of distributed information systems.								
Conditions for enrollment in the course and entry competencies required for the course	Architecture and Organ	Architecture and Organization of Computer Systems							
Expected outcomes Subject-level learning (10 outcomes)	Acquire basic skills in the field of computer networks.  Design, installation, and maintenance of computer networks that use the TCP/IP protocol.								
The content of the course is elaborated in detail according to the teaching schedule:	<ol> <li>Application layer,</li> <li>Web and HTTP profests</li> <li>Sockets and ports, P</li> <li>Conveyor layer, Mu</li> <li>Krosnica Datagram</li> <li>Connection-oriented</li> <li>Network layer, netw</li> </ol>	1. Computer networks and the Internet, 2. Application layer, 3. Web and HTTP protocol, e-mail on the Internet, file transfer and FTP, protocol, DNS 4. Sockets and ports, Programming, 5. Conveyor layer, Multiplexing and demultiplexing conveyor services, 6. Krosnica Datagram Protocol, UDA, 7. Connection-oriented transport protocol, TCP, 8. Network layer, network services, 9. Routers, Internet Protocol, IP							
Types of teaching:	In class / Online	•	Consultations						
The Student's Responsibilities									
	Attending classes	1,6	Research		Practical work				
Monitoring the work of students (enter the share	Experimental work		Paper		Left				
of ECTS credits for each activity so that the total number of ECTS credits corresponds to the credit	Essay		Seminar paper	1,2	Other (enroll)				
value of the course):	Colloquium	2,4	Oral exam	0,4	Other (enroll)				
	Written exam	2,4	Project		Left (enroll)				

Evaluation and evaluation of students' work during and at the final exam	Pre-examination activit 1. Attendance: Attendance at lectures 10 Attendance at the exercise Continuous Work / Inter 2. Seminar Written part 15 points Oral presentation 5 point 3. Colloquium 30 points Exam 4. Written/Oral exam 30 TOTAL  NOTE: For part-time and case study) = 30%, point (attendance at the introdure ferred to in points 1, 2, has not taken the test with point 2.	o points	of FI of t = 0-5	PN, FPE and the seminar power of the study dissatisfied	5 % 15 % 5 % 30 30 % 100 % FIT, point paper) = 0 ent is entity with the gr	t 2 (seminar pa – 5%, and point tled to the remanded with the p	nt 5 is edial oints	s added, exam s earned or
Compulsory reading (available in the library	Title			Number of in the libra	<b>▲</b>	Availability through othe media	er	Left
and through other media)	Computer Networking: A Top Down Approach 6th edition Jim Kurose, Keith Ross Addison-Wesley March 2012.		1		Internet			
Supplementary literature	Starčević D. "Distributed D. Comer and R. Droms					.", 2003, Prenti	се-Н	[all
Other (according to opinion of the proposer)								

NAME OF THE COURSE								
LEVEL OF STUDY	Undergraduate							
Course code	1.2.1.I032	Year of study OR						
Course holder(s)	prof. dr. sc. Jasmin Az	min Azemović Credit value (ECTS) 7						
Associates								
COURSE								
AIM OF THE COURSE	The main goal is for students to master basic knowledge in the field of computer and business systems protection. Students will master the technology and importance of protecting computer and address systems.							
Conditions for enrollment in the course and entry competencies required for the course	/	Totaling computer and address systems.						
Expected outcomes Subject-level learning (10 outcomes)	system for computer an	Students will acquire knowledge that is the basis for establishing an effective security system for computer and business systems.  At the level of clerk for the security of computer and business systems.						
The content of the course is elaborated in detail according to the teaching schedule:	<ol> <li>Classification of atta</li> <li>Models of Insecurity</li> <li>Safeguards</li> </ol>	<ul><li>5. Organization of protection</li><li>6. Software protection</li><li>7. Data protection</li><li>8. Software Security</li></ul>						
Types of teaching:	In class / Online		Consultations	•				
The Student's Responsibilities								
	Attending classes	1.4	Research		Practical work			
Monitoring the work of students (enter the share	Experimental work Paper Left							
of ECTS credits for each activity so that the total number of ECTS credits corresponds to the credit	Essay	Other (enroll)						
value of the course):	Colloquium	2.1	Oral exam		Other (enroll)			
	Written exam	2.1	Project		Other (enroll)			

NAME OF THE COURSE	COLLE	CTION OF	SOFTWARI	E REQU	JIREMEN	TS			
LEVEL OF STUDY	Undergraduate								
Course code	2.2.10.I038	Vear	of study		IV				
Course coue	2.2.10.1030	I car	or study		, , , , , , , , , , , , , , , , , , ,				
Course holder(s)	prof. dr. sc. Tihomir L	atinović Cred	lit value (ECTS)		8				
Associates									
	COURSE								
AIM OF THE COURSE	The primary objective	of the course is		sures and i	nrocedures for	· collecting			
	The primary objective of the course is to master the measures and procedures for collecting software requirements in accordance with the logic of object-oriented thinking and the approach to the development of object-oriented programming style. The secondary objective of the course is to understand and learn the procedures of collecting software requirements in the software development process, from requirements analysis and specification, through software design and project implementation, including its testing, to delivery, maintenance and provision of technical support. The course represents the integration of several disciplines of management skills in the field of computer science.								
Conditions for enrollment in the course and entry competencies required for the course	/ /								
<b>Expected outcomes</b>	Educational outcomes	are acquired kno	wledge about me	asures and	procedures th	nat can be used			
Subject-level learning	in the development of				•				
(10 outcomes)	By mastering this course, the student will be able to independently work (or manage) collecting software requirements for the realization of complex and multidisciplinary software projects. Organizational and managerial paradigms in the collection of software requirements during the design and development of computer programs.								
The content of the	1. Management of Sof	tware Collection	Procedures						
course is elaborated in	Application of standar								
detail according to the	Quality Management S								
teaching schedule:	Requirements manager Techniques and organi								
	schematics and graphic								
	tables/matrices, model	s/simulations.	•		•	1 0,			
	2. Advanced technique				,				
	Advanced concepts in Advanced Software Er			e requirem	ents.				
	3. Software Product M		opus.						
	Fundamentals of proje		*			,			
Types of	validation and verifica	tion; the quality	Î .	t the syste	m and standar	ds.			
Types of teaching:	In class / Online		Consultations						
The Student's									
Responsibilities  Monitoring the work of	Attending	0.7	Degear-l		Dunatical	1 2			
Monitoring the work of students (enter the share	Attending classes	0,7	Research		Practical work	1,3			
of ECTS credits for each									
activity so that the total	Experimental work		Paper		Left				
number of ECTS credits corresponds to the credit									

value of the course):	Essay		Seminar paper	2	Other (enroll)		
	Colloquium	2	Oral exam		Other (enroll)		
	Written exam	2	Project		Left (enroll)		
<b>Evaluation and evaluation</b>	Pre-examination acti	vities					
of students' work during	1. Attendance:						
and at the final exam	Attendance at lectures						
	Attendance at the exer				5 %		
	Continuous Work / Int	eractivity 5 poin	ts	5 %			
	<ol><li>Seminar</li><li>Written part 15 points.</li></ol>			15 %			
	Oral presentation 5 po				•		
	3. Colloquium 30 poin				) %		
	Exam						
	4. Written/Oral exam 3	30 points		30 %			
	TOTAL			100 %			
	<b>NOTE:</b> For part-time and DL students of FPN, FPE and FIT, point 2 (seminar paper or essay, case study) = 30%, point 2 (presentation of the seminar paper) = $0 - 5\%$ , and point 5 is added, (attendance at the introductory lecture) = $0-5\%$ . The student is entitled to the remedial exam referred to in points 1, 2, 3 and 4 if he/she is dissatisfied with the grade with the points earned of has not taken the test within the specified period or has not submitted the paper according to point 2.						
Compulsory reading	Title		Number	of copies	Availability	Left	
(available in the library			in the lil	orary.	through other	er	
and through other	Decil C. Berelon I. I	0 I 1 I /1	000)		media		
media)	Booch, G., Rumbaugh, J The Unified Modeling L Addison-Wesley				Internet		
	IEEE (1987). Software Engineering Standards. The Institute of Electrical and Electronics Engineers, Inc. New York						
Supplementary literature						_	
Other (according to opinion of the proposer)							

Course holder(s) pro  Associates  AIM OF THE COURSE By base  Conditions for enrollment in the course and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)	dergraduate 1.I047		TER FORENS							
Course holder(s)  Associates  AIM OF THE COURSE By bass  Conditions for enrollment in the course and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)  The content of the		Voor of		Indergraduate						
Course holder(s)  Associates  AIM OF THE COURSE  By bass  Conditions for enrollment in the course and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)  The content of the	.1.104/	V 00 14 0 1		TX 7						
Associates  AIM OF THE COURSE  By bass  Conditions for enrollment in the course and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)		Year of	study	IV						
AIM OF THE COURSE bas  Conditions for enrollment in the course and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)  The content of the	f. dr. sc. Jasmin Azemović	Credit v	alue (ECTS)	7						
Conditions for enrollment in the course and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)  The content of the										
Conditions for enrollment in the course and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)  The content of the	COURSE DESCRIPTION									
Conditions for enrollment in the course and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)  The content of the			osics students are to	rained to theoretically adopt the						
enrollment in the course and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)  The content of the	By studying the subject of Computer Forensics, students are trained to theoretically adopt the basics of Computer Forensics									
and entry competencies required for the course  Expected outcomes Subject-level learning (10 outcomes)  The content of the										
required for the course  Expected outcomes Subject-level learning (10 outcomes)  Course  White the course of the course  The content of the										
Expected outcomes Subject-level learning (10 outcomes)  Cu e v k r  The content of the										
Subject-level learning (10 outcomes)  The content of the										
(10 outcomes)  c u e e v k r	Students will acquire knowledge and the application of statistical r			ough the use of research methodology						
The content of the				gral part of taking the exam, primarily						
The content of the	sing the Magnet program, as w			collecting data in the sphere of digita						
The content of the	evidence, which									
The content of the	will enable them to conduct research and use professional and scientific literature. By mastering the baknowledge of Computer Graphics, students will be able to understand the basics of thinking a									
	reasoning, in general and forensic science in particular.									
course is elaborated in	Introduction to Computer Forensics									
detail according to the	2. The History of Compu	ıter Forensi	cs							
detail according to the teaching schedule:	3. Computer crime	: 1	liantian af Statistis	and Mathada and Durandawas in						
teaching senedure.	4. Research Methodologi Computer Forensic Re		offication of Statistic	cal Methods and Procedures in						
	5. The DFRWS model	житен								
	6. The Reith, Carr and G		lel							
	7. The Ciardhuain model									
	8. The Beebe and Clark N									
	<ul><li>9. Kruse and Heiser Mod</li><li>10. America's Department</li></ul>		- DOI model							
	11. Lee's model	or sustree	Dos moder							
	12. Model "Incident Respo	onse"								
	13. Eoghan Casey model									
	14. Carrier and Spafford n									
	<ul><li>15. High-tech crime – com</li><li>16. Computer Crime Legis</li></ul>	_	le .							
	17. Digital forensics of a c		ystem							
	18. Digital Forensics in a									
	19. Digital forensics of mo									
	20. Basics of the MAGNE									
	<ul><li>21. Other Digital Forensic</li><li>22. Free Digital Forensics</li></ul>			rcise						
Types of			11 11 Miles Oli L'ACI							
teaching:										
	Ex Cathedral									
	Discussion		_	g – individual 40%						
The Student's			_	g – individual 40% resentation 10%						
Responsibilities	Discussion		_							

Monitoring the work of students (enter the share of ECTS credits for each	Attending classes	1,5	Research		Practical work	
activity so that the total number of ECTS credits corresponds to the credit value of the course):	Experimental work		Paper		Left	
value of the course).	Essay		Seminar paper	1,5	Other (enroll)	
	Colloquium	2	Oral exam		Other (enroll)	
	Written exam	2	Project		Left (enroll)	
<b>Evaluation and evaluation</b>	Pre-examination activities					·
of students' work during	1. Attendance:					
and at the final exam	Attendance at lectures 10 points			. 10 %		
	Attendance at the exercises 5 po				. 5 %	
	Continuous Work / Interactivity	5 points		5 %		
	2. Seminar					
	Written part 15 points					
	Oral presentation 5 points					
	3. Colloquium 30 points			30	) %	
	Exam			0.07		
	4. Written/Oral exam 30 points.					
	· ·			100.0/		
Compulsors anding	TOTAL				A socilabilites	T C
Compulsory reading	· ·		Number of co		Availability through other	Left
(available in the library	TOTAL				through other	Left
(available in the library and through other	TOTALTitle		Number of co		· ·	Left
(available in the library	TOTAL  Title  1. Dragan Prlja, Mario		Number of co		through other	Left
(available in the library and through other	TOTAL  Title  1. Dragan Prlja, Mario Reljanović, Legal		Number of co		through other	Left
(available in the library and through other	TOTAL  Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of	of Law,	Number of co		through other	Left
(available in the library and through other	TOTAL  Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel	of Law,	Number of co		through other	Left
(available in the library and through other	TOTAL  Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010.	of Law,	Number of co		through other	Left
(available in the library and through other	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010. 2. Vanja Korać, Digital	of Law,	Number of co		through other	Left
(available in the library and through other	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010. 2. Vanja Korać, Digital Forensics as Data	of Law, grade,	Number of co		through other	Left
(available in the library and through other	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010. 2. Vanja Korać, Digital Forensics as Data Archaeology in High-	of Law, grade, Tech	Number of co		through other	Left
(available in the library and through other	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010.  2. Vanja Korać, Digital Forensics as Data Archaeology in High-Crime, Viminacium C	of Law, grade, Tech Center	Number of co		through other	Left
(available in the library and through other	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010.  2. Vanja Korać, Digital Forensics as Data Archaeology in High-Crime, Viminacium C for New Technologies	of Law, grade, Tech Center	Number of co		through other	Left
(available in the library and through other	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010.  2. Vanja Korać, Digital Forensics as Data Archaeology in High-Crime, Viminacium C for New Technologies Archaeological Institu	of Law, grade, Tech Center	Number of co		through other	Left
(available in the library and through other	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010.  2. Vanja Korać, Digital Forensics as Data Archaeology in High-Crime, Viminacium C for New Technologies	of Law, grade, Tech Center	Number of co		through other	Left
(available in the library and through other	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010.  2. Vanja Korać, Digital Forensics as Data Archaeology in High-Crime, Viminacium C for New Technologies Archaeological Institu	of Law, grade, Tech Center	Number of co		through other	Left
(available in the library and through other media)  Supplementary literature	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010.  2. Vanja Korać, Digital Forensics as Data Archaeology in High-Crime, Viminacium C for New Technologies Archaeological Institu	of Law, grade, Tech Center	Number of co		through other	Left
(available in the library and through other media)  Supplementary literature  Other (according to	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010.  2. Vanja Korać, Digital Forensics as Data Archaeology in High-Crime, Viminacium C for New Technologies Archaeological Institu	of Law, grade, Tech Center	Number of co		through other	Left
(available in the library and through other media)  Supplementary literature	Title  1. Dragan Prlja, Mario Reljanović, Legal Informatics, Faculty of Union University, Bel 2010.  2. Vanja Korać, Digital Forensics as Data Archaeology in High-Crime, Viminacium C for New Technologies Archaeological Institu	of Law, grade, Tech Center	Number of co		through other	Left

NAME OF THE COURSE	ADVANO	CED CO	OMPUTER NE	ГWOR	KS		
LEVEL OF STUDY	Undergraduate						
Course code	1.2.1.I054	Year of	study	IV			
Course holder(s)	prof. dr. sc. Tihomir Latinović	Credit	value (ECTS)	8			
Associates							
COURSE DESCRIPTION							
AIM OF THE COURSE	Acquiring the knowledge and		essary to work with a	dvanced o	communi	cation systems	
THE COCKSE	and multimedia networking						
<b>Conditions for</b>	Computer Networks						
enrollment in the course	_						
and entry competencies							
required for the course							
Expected outcomes	Development, installation and ma	intenance of	of advanced network ser	vices base	ed on Inter	net technologies.	
Subject-level learning	Working with computer networks					8-65	
(10 outcomes)							
The content of the	1. LOCAL COMPUTER NETWO	1. LOCAL COMPUTER NETWORKS. MULTIPLE ACCESS PROTOCOLS.					
course is elaborated in	2. ETHERNET.						
detail according to the	3. VIRTUALIZATION OF THE DATA CONNECTION LAYER. ATM. MPLS.						
teaching schedule:	4. WIRELESS TELECOMMUNICATION SYSTEMS. GSM MOBILE TELEPHONY. 3G. GPRS						
	AND EDGE SERVICES. 5. WIRELESS AND MOBILE N	ETWORK	S. CDMA. WI-FI WIR	ELESS LO	OCAL AR	EA	
	NETWORK. BLUETOOTH.						
	6. MULTIMEDIA NETWORK APPLICATIONS.						
	7. STREAMING OF STORED A						
	8. VOICE COMMUNICATION ( 9. PROTOCOLS FOR REAL-TI			ONS			
	10. RTP. RTPC. SIP. H323	VIL II VI LI		0110.			
Types of							
teaching:	Ex Cathedral		Case processing				
	Discussion		Case processing				
	Guest lecturer	. 10%	Discussion – pre	sentation		10%	
The Student's							
Responsibilities							
Monitoring the work of	Attending classes	1,5	Research		ctical		
students (enter the share				wor	k		
of ECTS credits for each	Experimental work		Paper	Left	-		
activity so that the total number of ECTS credits	Experimental work		1 aper	Len	ļ		
corresponds to the credit							
value of the course):							
	Essay		Seminar 1,				
			paper	(enr	oll)		
	Callaguing	2.5	Onelesses	O41-	OM		
	Colloquium	2,5	Oral exam	Oth			
				(enr	VII)		
	Written exam	2,5	Project	Left	t		
				(enr			
	1			(CIII	J11)		

<b>Evaluation and evaluation</b>	Pre-examination activities					
	1. Attendance:					
	attendance at lectures 10 points					
	Attendance at the exercises 5 points		. 5 %			
	Continuous Work / Interactivity 5 points					
	2. Seminar					
	Written part 15 points					
	Oral presentation 5 points	5%				
	3. Colloquium 30 points		%			
	Exam					
	4. Written/Oral exam 30 points					
	TOTAL	100 %				
Compulsory reading	Title	Number of copies in	Availability	Left		
(available in the library						
•		the library.	through other			
and through other		the library.	through other media			
`	1. J. F. Kurose, K. W. Ross	the library.	_			
and through other	· · · · · · · · · · · · · · · · · · ·	the library.	_			
and through other	Computer Networking, CET	the library.	_			
and through other media)	· · · · · · · · · · · · · · · · · · ·	the library.	_			
and through other	Computer Networking, CET	the library.	_			
and through other media)  Supplementary literature	Computer Networking, CET	the library.	_			
and through other media)  Supplementary literature  Other (according to	Computer Networking, CET	the library.	_			
and through other media)  Supplementary literature	Computer Networking, CET	the library.	_			

NAME OF THE COURSE	ART	IFICIAL INTELLIG	ENCE
LEVEL OF STUDY	Undergraduate		
	2.2.10.I050	Year of study	IV
		·	
Course holder(s)	prof. dr. sc. Tihomir Latinović	Credit value (ECTS)	8
Associates			
		URSE	
AIM OF THE COURSE	<b>DESCR</b> Artificial intelligence (AI) is a fi	RIPTION  eld that is dedicated to the stu	idy of a computational model of
	intelligent behavior. Common to devices that have the characteris knowledge, reasoning, learning,	all areas of artificial intellige tics of intelligent behavior; pr perception and interpretation. y of these concepts. During the AI and explore the basic techn asks that are solved during the	once is the creation of agents or oblem solving, presentation of The amount of different material ne course, we will look at the basic iques of this field. The course is e course, using the NetLogo
Conditions for enrollment in the course and entry competencies required for the course			
The content of the course is elaborated in detail according to the teaching schedule:	as different approaches disadvantages of different appropriate to adequately will gain hands-on experproblems, including staprogramming, neural net. After passing this course, the define the basic concepts distinguish between symen apply statespace search at algorithms to simpler process. Apply logic programmine apply automatic inferences compare different approact assess the applicability of summarize the philosophes. An overview of the field Directions of developmes concept of intelligence at 2. Troubleshoot by searching 3. Directional search technic condition. Gaming. The process of different approaches the philosophes are concept of intelligence at 2.	to the field. They will use approaches and identify apply certain methods of crience developing softwar at space search, gaming works, and biologically insue student will be able to: a of artificial intelligence bolic and connectivist approaches go to solve simpler logic proper procedures to simpler logic procedures to displaying obscure findividual AI approaches incal aspects of artificial interproaches of artificial intelligence. Hent and the latest trends. Reland the Turing test.  In the state space. Blind sear ques. Algorithm A*. The priminimax algorithm.  In the graphy of the proving the state of the proving t	oaches to artificial intelligence inspired optimization  oblems.  cical problems knowledge to a given problem elligence istorical development. ations with other areas. The  arch techniques. roblem of satisfying the g theorems. Unification. A rule

Types of teaching:	<ol> <li>Natural language processing.</li> <li>Unreliable knowledge and reasoning. Models based on probability theory.         Bayesian scheme. Fuzzy logic and fuzzy reasoning.</li> <li>An introduction to machine learning. Naïve Bayesian classifier. Decision trees.</li> <li>Enhanced learning.</li> <li>A Connectivist Approach to Artificial Intelligence. Neural networks.</li> <li>The perceptron algorithm. Backward error propagation algorithm.</li> <li>Computer intelligence.</li> <li>Genetic algorithm.</li> <li>Ant colony algorithm</li> <li>Case processing – group</li></ol>						
teaching.	Discussion		Case processing – individual 40%				
	Guest lecturer	10%	Discussion –	n – presentation 10%			
The Student's							
Responsibilities							
Monitoring the work of students (enter the share	Attending classes	1,5	Research		Practical work		
of ECTS credits for each					WOLK		
activity so that the total	Experimental work		Paper		Left		
number of ECTS credits corresponds to the credit							
value of the course):							
,	Essay		Seminar	1,5	Other		
			paper		(enroll)		
	Colloquium	2,5	Oral exam		Other (enroll)		
					(enron)		
	Written exam	2,5	Project		Left		
Evaluation and evaluation	Dra avamination activities				(enroll)		
of students' work during	1. Attendance:						
and at the final exam		ints 10 %					
	Attendance at the exercises 5 points						
	2. Seminar Written part 15 points						
Compulsory reading	Title		Number of cop		Availability	Left	
(available in the library			the library.	105 111	through other	Leit	
and through other					media		
media)	3. Stuart Russell, Peter Norvig.						
	Artificial Intelligence - A Modern Approach. Prenti						
	Hall, 1995.						
	4. George F. Luger. Artificia						
	Intelligence: Structures and						
	Strategies for Complex Problem						

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Supplementary literature		
Other (according to opinion of the proposer)		