

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

STUDY PROGRAMME ACCREDITATION MATERIAL:

SOFTWARE ENGINEERING AND INFORMATION TECHNOLOGIES

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad 2012. Prevod sa srpskog jezika:

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Programme name	Software Engineering and Information Technologies
Independent higher education institution where the programme is being executed	University of Novi Sad
Higher education institution where the programme is being executed	Faculty of Technical Sciences
Educational-scientific/educational-art field	Technical-Technological Science
Scientific, proffesional or art field	Electrical and Computer Engineering - Software Engineering and Information Technologies
Type of studies	Undergraduate Academic Studies
Study scope, expressed in ECTS	240-243
Academic degree, abbreviation	Bachelor with Honours in Software Engineering, B.Soft.Eng.
Study length	4
Programme implementation starting year	
Future course implementation starting year (for new programme)	2013
Number of students attending this programme	0
Planned number of students to be enrolled in this programme	240
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	
Web address containing programme information	http://www.ftn.uns.ac.rs



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UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Standard 00. Introduction

Undergraduate study programme "Software Engineering and Information Technologies" has been recognized as a potential platform for integration of activities of almost all of the departments of Faculty of Technical Sciences, University of Novi Sad. As such it is implemented as a undergraduate study programme to which different departments of the Faculty contribute.

Undergraduate study programme "Software engineering and information technologies", at the Department of Computing and Control, is conceived to cover all important methodological aspects of complex software systems development, most notably software engineering and accompanying software technologies, as well as applications of software engineering in different domains – technical, business and social.

This programme complies with recommendations given in the Software engineering curriculum SE2004, which has emerged as a result of a joint project of two international professional associations - ACM and IEEE.

In accordance with these recommendations, courses in the first three years of study programme provide good basic knowledge and understanding in several areas of general education, such as mathematics, as well as deep insight in technological subjects (primarily software related) and theoretical and methodological knowledge in subjects recognized as professionally relevant in ACM/IEEE curriculum. The fourth year is dedicated to specialized courses, aimed at empowering students for competent and professional software development in certain domain of interests, applying previously adopted theoretical/methodological concepts of software engineering and up-to-date technologies and tools for software development. Throughout the course of a study, individual and independent work of a student is appreciated, and involvement in ongoing technical and development projects is encouraged. Special consideration is given to development of student's problem solving capabilities.

Faculty of Technical Sciences is equipped with a large number of computer laboratories, as well as other specialized laboratories for specific domains (transportation, robotics, telecommunications, electronics, civil engineering, environmental protection, process engineering, mechanics, industrial and business management, architecture, graphical engineering...). Clearly profiled area of software engineering on the one side, and a wide range of possible application on the other side, requires that future software engineers have good knowledge of one, or more, domains. This knowledge ensures good communications with domain experts and better understanding of problems that software is intended to cope with. Such a situation calls for substantial degree of freedom of choice, regarding subjects, on the fourth year of study, while the first three years are comprised of common subjects for the the general profile of software engineering.



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Standard 01. Programme Structure

The name of the study programme of these undergraduate studies is Software Engineering and Information Technologies. By completing the studies, the student obtains the academic degree - Bachelor degree in Software Engineering.

The structure of the programme enables the students to acquire the profound knowledge in the chosen area – software engineering, as well as to gain adequate knowledge of other areas where the software engineering is applied. Requirements for the admission to the study programme are the completion of four years of secondary schooling and the successfully passed entrance examination. The entrance examination in the field of mathematics (worth max 60 points) is considered successfully passed if the candidate has obtained at least 14 points.

At the undergraduate academic studies in Software Engineering, lasting four years, the

programme is organized to cover following areas:

•Software engineering technologies

•Software engineering methodologies

•Chosen domain of application of software engineering

During the course of the first three years, students will master the technologies and methodologies of software engineering. In the third year of studies, students will select one of the domains of application of software engineering. Domain areas are formed by incorporating courses, from other study programmes of the Faculty of Technical Sciences, designated as elective courses on the fourth year of this study programme.

Priority to elect courses, on the basis of their aptitudes and wishes, is awarded to the best students. Management of the study programme may decide to limit the number of students admitted to specific course, in order to rationalize resource usage.

These courses are elected from the pool of designated elective courses. With approval of Head of the study programme, students can, in accordance with their aptitude and wishes, choose to attend to certain courses offered by the Faculty of Technical Sciences, University of Novi Sad, or any other university in the country or abroad. All prescribed preconditions for attendance to such a course must be fulfilled.

Teaching is performed in the form of lectures and practical classes. During the lectures the subject matter is taught using the suitable didactic material with the necessary explanations which contribute to better understanding of the subject matter. At the practice classes which accompany the lectures, particular practical tasks are solved and additional examples are given to further illustrate the topic. Practical classes also provide additional explanation of the topics presented at lecture classes. These classes can be devoted to organized solving of practical engineering problems. Practice can be in the form of auditory, laboratory, computer or calculation classes. Practice classes can partially be conducted in a factory or other institution. The size of the group for practice classes depends on the type of practice. Student obligations at these classes include writing seminar papers, homework assignments, project assignments or semester assignments which are followed and evaluated according to regulations adopted at the Faculty. The number of points earned is expresses according to uniform system and reflects the students' workload.



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Standard 02. Programme Objectives

The purpose of the study programme is the education of students for the profession of software engineering in the field of computing in accordance to the needs of the society and the individual. Software Engineering and Information Technologies study programme is designed to ensure the acquired competences which are justified and useful for the society. The Faculty of Technical Sciences has defined the fundamental tasks and aims in educating highly competent professionals in the field of engineering. The purpose of the Software Engineering and Information Technologies study programme is in accordance with the basic tasks and aims of the Faculty of Technical Sciences. Realization of the thus structured study programme educates software engineering and information technologies engineers competent at the European and international level.



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Standard 03. Programme Goals

The objectives of the study programme can be classified in the following categories:

Theoretical and methodological knowledge: includes skills and knowledge needed for appropriate, scientifically based capability to identify, analyze and solve problems in the field of software engineering, and in the domains of its application. This encompass: thorough knowledge in the field of computing, relevant to the software engineering; good knowledge of mathematics; good skills in the field of oral and written communication in several languages; good knowledge in the fields of elected social sciences, and in particular - comprehensive and thorough knowledge of methodological aspects of software engineering and very good knowledge in the field of, at least one, domain of application.

Practical knowledge: Acquiring the necessary knowledge that, in combination with theoretical and methodological knowledge, allows for correct specification and implementations of projects of complex software system development and development of software components. This knowledge enables students to successfully participate in future team projects, as well as to perform work individually. This includes, among other things, development of critical thinking and creativity for analysis and problem solving. This goal is achieved through student involvement in different projects, whose complexity is similar to the real world problems.

Preparation for further studies: Acquiring the necessary knowledge which will enable the continuation of student's education at graduate, specialization or doctoral level. A specific aim which is related to the objectives of the education at the Faculty of Technical Sciences is developing the students' awareness of the need for life long learning, development of society as a whole and environment protection. Preparation for professional involvement: Acquiring the necessary knowledge and developing awareness of the wide array of problems and obligations related to professional practice: safety, ethics, ecology and economy.

Communicative skills and team work. Acquiring the necessary knowledge and skill in at least one world language with the ability to present one's results to the professional and wider audience as well as developing the team work skills.

HE TAS STUDIO

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Standard 05. Curriculum

The curriculum of undergraduate academic studies in Software Engineering and Information Technologies is designed to fulfil all the defined objectives. The structure of the study programme secures that about 15% of the courses belong to the academic and general education subjects, about 20% are theoretical and methodological courses, about 35% are scientific and professional courses and 30% are professional and applied courses. It has also been ensured that the elective courses represent al least 20% of ECTS credits. In addition to this, the courses on this study programme can be divided into:

- fundamental engineering disciplines group (mathematics, physics, ...)

- software engineering technologies disciplines group (computer technologies and ICT)

- software engineering methodologies group

- applied software engineering in specific domains group – where acquired knowledge has a concrete application

The first three years of study are given to fundamental, general and common knowledge of all the students at this study programme, until at the end of their third year of study the students can choose specific domain of application of software engineering. Furthermore, on the fourth year students can deepen the knowledge of concrete application of software engineering in the specific domain of interest.

In order to help the students in the choice of subjects and to increase the efficiency of studying, the Committee for the Quality of the Study Programme assigns a tutor to each student who will direct them in their further study until they chose the topic for their Bachelor thesis. The elective courses provide an opportunity to direct interest towards the specific domain of application of software engineering, and to join different areas in a way which will suit each individual student. At the higher years of study these elective courses allow students to pursue their personal preferences.

Each course lasts one term and is worth a certain number of ECTS credits where one credit is equivalent to approximately 30 hours of work. The order of courses is defined so as to ensure that the prerequisite knowledge for one course is attained in the previously attended courses. The curriculum defines each course in terms of its name, type of course, year and semester of studies, number of ECTS credits, name of the teacher, objectives of the course and expected outcomes, knowledge and competences, Pre exam assignments for attending the course, content of the course, recommended literature, methods of teaching, types of evaluation and other.

The study programme is in line with European standards regarding admission requirements, duration of studies, enrolling the next year of studies, obtaining a diploma and mode of study. Professional practice and practical work of 45 hours forms a constituent part of the curriculum and is carried out in suitable scientific and research institutions, innovation centres, organizations which provide infrastructure support for innovative activities, industrial and public institutions.

A student's studies are completed with the production of a Bachelor Thesis which consists of theoretical and methodological framework necessary for the in depth understanding of the area in which the Bachelor thesis is done and the production of the thesis itself.

Prior to the defence of the thesis the candidate takes an exam on the theoretical and methodological bases before the thesis supervisor. Bachelor thesis is defended before a committee of at least three professors.



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Course	:						_				
Course	id:	SE0001			Intro	duction to Prog	ramming				
Number	r of ECTS:	7									
Teache	rs:		Ivanović V	V. Dragan, Marko	ović Mila	n, Milosavljević P. Brank	o, Nenadić M. Goran				
Course	status:		Mandator	ry							
Number	r of active teac	hing classe	s (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	3	0)	2		C		1			
Precon	dition courses			None		•	•				
1. Educ	ational goal:										
Underst	tanding the cor	ncepts, eler	nents, and	d structure of con	nputer pro	grams, and basic algorith	ims for data processi	ng.			
2. Educ	ational outcom	ies (acquire	ed knowled	dge):							
Upon s progran and iter elemen	Upon successful completion of this course students gain understanding of main computer program concepts and are able to write programs that interact with users; handle different types of data; use basic structural concepts in programming - sequences, selections, and iterations; use subprograms and decompose complex programs; understand elements of software development process; understand elements of algorithm analysis.										
3. Cour	3. Course content/structure:										
The not form an number functior structur loop; fir progran arrays, comput binary s	The notion of a computer program: the role of hardware and software in a computer system; basics of modern computer operation; the form and function of programming language; features of the Python programming language; elements of a Python program. Handling numbers: the notion of a data type; numerical data types; representing numbers in a computer; accumulator variables; using mathematical functions. Handling strings: the notion of string and its computer representation; operations on strings; string formatting. Decision structures: the notion of decision; single, double, and n-ary decisions; handling exceptions. Loops and logical expressions: the notion of a loop; finite and infinite loops; interactive and sentinel loops; nested loops; Boolean algebra and Boolean expressions. Subprograms: program decomposition; invoking subprograms; transfering parameters and results; subprogram collections; recursion. Data collections: arrays, operations on arrays, multidimensional arrays; dictionaries. Software development process: representing a real system in a computer program; top-down and spiral development, program testing. Algorithm analysis: concepts, the notion of search, linear and binary search. sorting algorithms										
4. Teac	hing methods:										
Lecture practice	s; Computer p and oral exa	practice. Co mination.	onsultation	ns. The examina	tion is ora	al. The final grade is forr	ned on the bases of	success at I	aboratory		
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	tion obligat	ions	Mandatory	Points	Final e	xam	Mandatory	Points		
Project	defence			Yes	50.00	Oral part of the exam		Yes	50.00		
					Liter	ature	i				
Ord.	A	uthor			Title		Publishe	er	Year		
1,	J.M. Zelle		Py Sc	thon Programmir	ng: An Intr n	oduction to Computer	Franklin, Beedle &	Associates	2010		



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Course:					N/I:	athematical Ana	alveie 1							
Course		E212												
Teache		9	Kovačević	M Iliia Mihailo	vić P. Bilia	na Lukić I Tibor Grbić	P Tatiana Kostić Z	Marko						
Course	status:		Mandatory	wi. nija, winiano	VICT . Dilje			Marko						
Number	of active teac	hing classe	s (weekly)											
L	ectures:	Practical	classes:	Other teachi	na types:	Study rese	arch work:	Other cla	asses:					
	4	3	5	0	5 51	0		1						
Precond	lition courses			None										
1. Educ	1. Educational goal:													
Enabling students to think abstract and gain basic knowledge in the field of Mathematical analysis (limiting processes, differential and integral calculus, ordinary differential equations).														
2. Educ	ational outcom	nes (acquire	ed knowledg	je):										
Acquire knowled	d knowledge i Ige from Math	s used in fu ematical Ai	urther educa nalysis 1.	ation and stude	nt designs	and solves mathematic	al models in professio	onal courses	using the					
3. Cours	se content/stru	icture:												
Theoretical lectures: Field of real and complex numbers. Metric space. Series (convergence of series, real and complex sequences, complete metric space). Limits, continuity and uniform continuity of functions. Real functions of a real variable (limit, continuity, uniform continuity, differential calculus and application, indefinite integral; definite integral and application; improper integral). Real functions of several real variables (limits, continuity, uniform continuity, differential calculus and application, indefinite integral; definite integral and application). Ordinary differential equations of first and higher order. Linear differential equations of n-th order. Practice (Exercises): Corresponding examples from theoretical lectures are done in exercises, thus practicing the taught lectures and understanding them better.														
Lectures example and the lectures module calculus	s; Numeric co es in order to b knowledge fro , which prese : limiting proc s of real funct	mputing pra better under om the lect nts one log esses; the ions of sev	actice. Cons rstand the m ures is dee jical whole, second mo reral variabl	sultations. Lect natter taught in pened. Besides can be passed dule: differenti les; the fourth	ures are c lectures. I s lectures I during th ial calculu module: ii	ombined. Theoretical pa n practice, which accom and practice, consultation e teaching process in the s of real functions of a ntegral calculus: the fifth	rt of the lectures is a panies lectures, typica ons are held on a reg e form of the followir real variable, the thin n module: ordinary d	ccompanied al problems a gular basis. F ng 5 modules rd module: d ifferential eq	by typical are solved Part of the s (the first ifferential uations).					
				Knowledge e	evaluation	(maximum 100 points)								
	Pre-examina	ation obligat	tions	Mandatory	Points	Final e	xam	Mandatory	Points					
Exercise	e attendance			Yes	3.00	Final exam - part one		No	50.00					
Homew	ork			Yes	5.00	Final exam - part two		No	50.00					
Test	allenuarice			Yes	2.00	written part of the exam	- tasks and theory	res	70.00					
Test				Yes	10.00									
				•	Litera	ature								
Ord.	Α	uthor			Title		Publishe	er	Year					
1,	I. Kovačević, Ralević,V.Ma vković.S.Meo	N. arić,B.Carić dić	,M.No Mate	ematička analiz esi,	a 1- uvod	ni pojmovi i granični	FTN (Edicija tehničl udžbenici), Novi Sa	ke nauke- d	2012					
2,	I. Kovačević, Novković,B.0 Ralević	V.Marić, M. Carić,S.Mec	lić,N. Mate raču	emarička analiz In, obične difere	a 1 -difere encijalne je	encijalni i integralni ednačine	FTN (Edicija tehničl udžbenici), Novi Sa	ke nauke- d	2012					
3,	M. Novković, Carić, S Medi	B. ić. V.Ćurić	L. Zbirl	ka rešenih zada	ataka iz Ma	atematičke analize 1	FTN (Edicija tehniči udžbenici) Novi Sa	ke nauke- d	2012					
4,	I.Kovačević, V.Ćurić	B.Carić,S.M	ledić, Test	tovi ispita iz M	atematičko	e analize 1	FTN (Edicija tehniči udžbenici), Novi Sa	ke nauke- d	2012					



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Course:														
Course	id:	E213		Disc	rete M	athematics and	Linear Algebra							
Number	of ECTS:	9												
Teache	rs:		Doroslova	ački D. Rade, Mil	hailović P.	Biljana, Lukić J. Tibor, Pa	antović B. Jovanka							
Course	status:		Mandator	у										
Number	of active teac	hing classe	es (weekly)	1										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:					
	4	4	Ļ	0		0		0						
Precond	lition courses		-	None		·								
1. Educ	ational goal:													
Enabling students to think abstractly and gain new knowledge in the field of elementary, general, abstract and linear algebra, as well as in the fundamentals of classic combinatorics.														
2. Educ	2. Educational outcomes (acquired knowledge):													
Acquire courses	Acquired knowledge is used in further education and professional courses. Mathematical models are designed and solved in professional courses using the material from this course.													
3. Course content/structure:														
Lectures (Theoretical lectures). Logic, relations, functions, Boolean algebra, groups, rings, fields, polynomials, complex numbers, finite fields, free vectors, analytical geometry in space (vector!), determinants, systems of linear equations, vector space, matrices, characteristic roots and vectors. Practice lectures In practice classes adequate examples and tests from the theoretical lectures are done in order to exercise lectured theory where exercises contribute to understanding of the theory.														
4. Teaching methods:														
Lectures accomp typical p are also modules geomet and veo problem	Lectures; Computing practice. Consultations. Lectures are dynamic and interactive. In lectures theoretical part of the course is presented accompanied by characteristic and representative examples in order to better understand the matter. In practice, which follows lectures, typical problems are solved and lectured theory is deepened. Besides lectures and practice, regular consultations and group consultations are also held. Part of the course, which is a logical unit, can be passed within the teaching process in the following 2 modules (the first module: relations, functions, Boolean algebra, groups, rings, fields, polynomials, complex numbers, finite fields, free vectors, analytical geometry in space (vector!); the second module: determinants, system of linear equations, vector space, matrices, characteristic roots and vectors. Theoretical part is passed through the test (elimination and basic), Practical part is passed through solving five serious													
				Knowledge e	evaluation	(maximum 100 points)								
	Pre-examina	tion obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points					
Comput	er exercise att	endance		Yes	5.00	Written part of the exam	 tasks and theory 	Yes	30.00					
Lecture	attendance			Yes	5.00	Theoretical part of the ex	am	Yes	40.00					
Test				Yes	10.00									
Test				Yes	10.00									
					Liter	ature								
Ord.	A	uthor			Title		Publishe	er	Year					
1,	Rade Doroslo	ovački	Ele	ementi opšte i lin	earne alge	ebre	ALFA-GRAF NS		2006					
2,	Rade Dorosk	ovački i Ne	aovič Zbi 198	irka ispitnih zada 85-2006	itaka iz dis	skretne matematike	ALFA-GRAF NS		2006					
3,	Rade Doroslo Ljubo	ovački i Ne	dović Tes	stovi iz diskretne	matemat	ike i linearne algebre	ALFA-GRAF NS		2004					
4,	Rade Doroslo	ovački	Pri	ncipi algebre, op	šte, diskre	etne i linearne	ALFA GRAF NOVI	SAD	2008					



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

	-									
Course:				0						
Course id:	E106			S	ociology of Technique					
Number of ECTS:	2									
Teacher:		Radivojević	D. Radoš							
Course status:		Mandatory								
Number of active tead	ching classe	es (weekly)								
Lectures:	Practical	classes:	Other teachi	ng types:	Study research work:	Other cla	isses:			
2	()	0		0	0				
Precondition courses	-		None		•					
1. Educational goal:										
Enabling engineers to understand social importance and role of technical sciences in the society development, positive and negative implications of technical sciences to the development of society and men, as well as self social importance and responsibility in the creation of human society.										
2. Educational outcon	nes (acquir	ed knowledge	e):							
Acquisition of social knowledge about features, sources, social functions and creators of technical knowledge; knowledge about the impact of the nature of social systems on technical development and the impact of technique on the society development; knowledge about impact of technique on globalization process, nature destruction and creation of risky society; knowledge about impact of technique on changes of the work contents and work organization forms; knowledge about the impact of the mass media on people's lives, education, culture and democracy.										
3. Course content/stru	ucture:									
Technical knowledge: features and social functions of technique, sources of technical knowledge, creators of technical knowledge, dissemination of technical knowledge, scientific-technical potential, science and technique relationship. Relationship between technique and society: the impact of society on technical development and the impact of technical sciences on the development of society-industrial and information society. The impact of technical sciences on life, awareness and culture. Technical sciences and globalization: causes and dimensions of globalization, technological gap, brain drain; Technical sciences and work organization: flexible production, network organizations, knowledge economy, electronic economy. Technical sciences and work: reduction of working hours, change of work content, decline of the work importance. Technical sciences and alienation at work: the impact of television on society, media theories, mobile telephony and internet, the impact of internet on society, media imperialism, mass culture, cyber criminal. Technical sciences and education: education and new communication technologies, education and technological gap, virtual media and virtual reality, resistance and alternatives to global media. Technical sciences and ecological crisis: global warming, genetically modified food, technical risks, technical society as risky technical intelligence: social status and impact. engineering ethics.										
4. Teaching methods:										
The problem is pres contribute to the pre	The problem is presented in lectures, and then a discussion is opened in which students may ask questions, give objections and contribute to the presented matter.									
			Knowledge e	evaluation	(maximum 100 points)					
Pre-examina	ation obliga	tions	Mandatory	Points	Final exam	Mandatory	Points			
Lecture attendance			Yes	5.00	Oral part of the exam	Yes	50.00			
Test			Yes	45.00						
				Liter	ature					

	Literature												
Ord.	Author	Title	Publisher	Year									
1,	Radoš Radivojević	Tehnika i društvo	Fakultet tehničkih nauka, Novi Sad	2004									
2,	Entoni Gidens	Sociologija	Ekonomski fakultet, Beograd	2003									
3,	D. Mackenzie, J. Wajeman	The Social Shaping of Technology	Open Univer. Pres.	1985									
4,	Majkl, Haralambos	Sociologija	Školska knjiga, Zagreb	2004									
5,	Radoš Radivojević	Sociologija nauke	Stylos, Novi Sad	1995									
6,	Chris Barker	Television, Globalization and Cultural Identities	Open University Press	1999									
7,	Eugene Loos, Enid Mante- Meijer, Leslie Haddon	The Social Dynamics of Information and Communication Technology	Ashgate	2008									
8,	Wenda K. Bauchspies, Jennifer Croissant, Sal Restivo	Science, Technology and Society: A Sociological Approach	John Wiley & Sons	2005									
9,	Jan L. Harrington	Technology and Society	Jones & Bartlet	2011									
10,	Deborah G. Johnson, Jameson M. Wetmore	Technology and Society: Building our Sociotechnical Future	MIT Press	2009									



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course id: EJ1Z	English Language - Elementary										
Number of ECTS: 3	odanović Ž. Vesna. Gak M. Dragana. Katić M. Marina. Ličen S. Branislava. Mirović Đ. Ivana. Šafrani										
Teachers: Bogda F. Jelis	nović Ž. Vesna, Ga aveta	k M. Drag	ana, Katić M. Marina, Liče	en S. Branislava, Miro	ović Đ. Ivana,	Šafranj					
Course status: Electiv	е										
Number of active teaching classes (week	(ly)										
Lectures: Practical classes	: Other teachi	ng types:	Study resea	arch work:	Other cla	asses:					
3 0	0		0		0						
Precondition courses	None		·								
1. Educational goal:											
Mastering the basics of the English land mastering the basics of English morpho	uage: pronunciation logy and syntax.	on of Engl	ish sounds, acquisition o	f vocabulary related t	to everyday s	situations,					
2. Educational outcomes (acquired know	ledge):										
Students are able to use spoken and written English in simple, everyday situations.											
3. Course content/structure:											
The use of articles, nouns (nouns in Plural), adjectives (types of adjectives, possessive adjectives, comparison of adjectives), pronouns (personal and possessive pronouns), auxiliary verbs (be, do, have), modal verbs. The use and construction of tenses (Present Simple, Present Continuous, Present Perfect, Past Simple, future forms). Question and negative form of the sentence. Vocabulary related to everyday topics: introduction, family, free time, work, food and beverages, naming and description of everyday objects, description of people and places etc.											
4. Teaching methods:											
Communicative method is used, since the emphasis is placed on communication development of all language skills.	ne objectives and c n between stude	ontents of nts and to	the course are aimed at eachers and students a	communication whicl imong themselves,	h is very com as well as l	plex. The balanced					
	Knowledge e	evaluation	(maximum 100 points)		_						
Pre-examination obligations	Mandatory	Points	Final ex	kam	Mandatory	Points					
Test	Yes	10.00	Written part of the exam	- tasks and theory	Yes	70.00					
	Yes	10.00									
	Yes	10.00									
		Liter	ature								
Ord. Author		Title	9	Publishe	er	Year					
1, John and Liz Soars	New Headway Eler	mentary		Oxford University P	ress	2000					
2, Peterson	Oxford Practice Gra	ammar		OUP		2000					
3, grupa autora	Oxford Serbian-En	glish Dictio	onary	OUP		2006					



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course:												
Course	id:	EJ2Z			Englisl	h Language – Ir	ntermediate					
Number	of ECTS:	3										
Teache	'S:		Bogdanovid F. Jelisavet	č Ž. Vesna, Ga a	k M. Drag	ana, Katić M. Marina, Ličo	en S. Branislava, Mir	rović Đ. Ivana,	Šafranj			
Course	status:		Elective									
Number	of active teac	hing classe	es (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
	3	C)	0		0		0				
Precond	lition courses			None								
1. Educ	ational goal:											
Knowle enginee accorda knowleo syntax s	dge about the ring and scie ince with defining ge of the Eng structures chart	e basics of ntific texts nitions, cla lish langua racteristic c	f English fo covering dil ssifications, ge is expan of English fo	r Specific Pur ferent areas c terms and nc ded by includir r specific purpo	poses relations ado notions ado ng new voo	ated to students' future ng and control engineeri pted by contemporary E cabulary, compounds, us s area.	profession. Studer ng in order to learn uropean and intern e of prefixes and su	nts read a se professional ational standa ffixes, gramm	lection of terms in ards. The atical and			
2. Educational outcomes (acquired knowledge):												
Students acquire enough knowledge and skills to use professional English in simple communication with clients, colleagues and employers.												
3. Cours	se content/stru	icture:										
A selec speech	tion of texts f passive.	rom profes	sional engi	neering areas	. Systema	itization of verb tenses,	conditional sentenc	ces, direct an	d indirect			
4. Teac	ning methods:											
Teachin and find there. A and exp discuss	g is done usir new words ir part of the cl ansion of kno ons and pair	ng commun a dictiona ass is devo wledge rela work.	nicative meth ary. This is f oted to learn ated to certa	nod of languag ollowed by a d ing and praction in grammar st	le learning liscussion cing new v tructures.	g. After a short introduction about the topics mention vocabulary through oral a Students are encouraged	on about a topic, the ned in the text and t and written exercise d to communicate in	e students rea he conclusior s as well as to English throu	d the text is offered o revision igh group			
	<u> </u>			Knowledge	evaluation	(maximum 100 points)						
	Pre-examina	tion obligat	tions	Mandatory	Points	Final e	kam	Mandatory	Points			
Test		U		Yes	10.00	Written part of the exam	- tasks and theory	Yes	40.00			
Test				Yes	10.00	Oral part of the exam	,	Yes	30.00			
Test				Yes	10.00							
				-	Liter	ature						
Ord.	A	uthor			Title	;	Publish	er	Year			
1,	Eric H. Gleno McEwan	linning, Joh	n Basi	c English for C	omputing		Oxford University F	Press, Oxford	2003			
2,	Edita Čavić		Engl	ish in Architect	ture		Naučna knjiga, Be	ograd	2001			
3,	John and Liz	Soars	New	Headway Pre	-Intermedi	ate	Oxford University I	Press, Oxford	2003			
4,	N. Coe, M. H Paterson	arrison, K.	Oxfo	ord Practice Gra	ammar - B	Basic	Oxford University F	Press, Oxford	2006			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course:												
Course	id:	SE0006			Objec	ct oriented progr	amming 1					
Number	of ECTS:	8										
Teache	rs:		Obradović	J. Đorđe, Sladio	ć S. Gorar	n, Vidaković P. Milan						
Course	status:		Mandatory	1								
Number	of active tead	hing classe	es (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
	3	0)	2		0		1				
Precond	dition courses	-		None		•	•					
1. Educ	ational goal:											
Make st	udents capabl	le of solving	g problems in object oriented programming area.									
2. Educ	cational outcomes (acquired knowledge):											
Learnin this cou	g methods, te irse.	chnologies	and standa	ards for develop	ment of o	bject oriented applicatior	s. Java programming	g language i	s used for			
3. Cours	se content/stru	ucture:										
Fundan Inherita	nentals. Objec nce. Abstract	cts, classes classes an	, association id interface	ons, methods a es. MEthod over	nd fields. loading.	Encapsulation. Creating Generics. Exceptions.	objects, constructor	s, garbage	collection.			
4. Teac	hing methods:											
Lecture	s. Practical ex	ercises. Co	nsultations.	. Final exam and	l project f	orm the final grade.						
				Knowledge e	valuation	(maximum 100 points)						
	Pre-examina	amination obligations Mandatory Points Final exam Mandatory Points										
Project				Yes	30.00	Oral part of the exam		Yes	50.00			
Term pa	aper			Yes	20.00							
					Liter	ature						
Ord.	A	Author			Title)	Publishe	er	Year			
1,	B. Milosavlje	vić, M. Vida	ković Jav	vić Java i Internet programiranje FTN Izdavaštvo 2010								

Addison-Wesley

Thinking in Java, 4th edition

2, B. Eckel



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course:												
Course	d:	SE0008			Algori	thms and Data	structures					
Number	of ECTS:	8										
Teacher	:		Milanović	N. Nikola								
Course	status:		Mandator	У								
Number	of active teac	hing classe	es (weekly))								
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
	3	C)	2		0		1				
Precond	ition courses			None								
1. Educa	ational goal:											
Introduc	e students to	concepts o	f in-memoi	ry data structures	and their	use in program developr	nent.					
2. Educa	ational outcom	es (acquire	ed knowled	dge):								
Upon su sets, ma search a understa	iccessful cour ips, lists, stack and sort metho ands and use	ssful course completion, student is familiar with abstract data types and capable of handling linear data structures - arrays, lists, stacks, queues; Student is also familiar with basic concepts of program efficiency analysis; Student is capable of using sort methods on data structures; Student understands the concept of recursiond and its use in program development; Student and use hash tables as well as tree structures										
3. Cours	e content/stru	cture:										
Abstrac analysis map, m Algorithi sorted a operatic recursio - concep	t data types: for operation ap implemen m analysis: O rrrays.List, sta ns; queue - c n implemental ot and operatio	concept of s on arrays tation, mu notation, l ack and qu oncept and tion and us on; N-Trees	abstract of s, matrix, c ltidimensio 2thon list eue: linke d operatio age. Hash s; Search t	data type; new t operations on ma onal arrays and t analysis. Searc d lists, use of lin n. Stack and Qu t tables: hash fun trees.	ype defin trices. Se operatior hing and ked lists, eue imple ctions, ha	ition. Arrays: concept of its and maps: concept of its on them. Algorvišedii sorting: lienar and binary operations on linked list ementation; Multiple-linke sh tables - concept and o	an array, operation I data set, set impele menzionalni nizovi i v search, sorting alho s; double linked lists ed lists. Recursion - operations, hash usag	s on arrays, mentation, co operacije na orithms, opera s; stack - con concept and ge. Trees: bin	efficency oncept of ad njima. ations on cept and features. nary trees			
4. Teach	ning methods:											
Lectures exercise	ures, Computer exercises; Consultations. The exam is oral. Assessment and final marks are based on the success of the laboratory cises and an oral exam.											
				Knowledge e	valuation	(maximum 100 points)						
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Project of	defence			Yes	50.00	Theoretical part of the ex	am	Yes	50.00			
					Litera	ature						
Ord.	А	uthor			Title		Publishe	er	Year			

Data Structures and Algorithms Using Python

Wiley

R.D. Necaise

1,



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course	:											
Course	id:	E233				Internet Netwo	orks					
Number	r of ECTS:	4										
Teache	rs:		Konjović D	D. Zora, Markovi	ć Milan,	Okanović Đ. Dušan						
Course	status:		Mandatory	/								
Number	r of active teac	hing classe	es (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:			
	2	C)	2		0		0				
Precon	dition courses	•	•	None								
1. Educ	ational goal:											
Student	s learn about t	the theoreti	cal bases a	and technologies	s of TCP/II	^D networks.						
2. Educ	ational outcom	nes (acquire	ed knowled	ge):								
Underst of local	tanding basic t computer netv	heory abou vorks base	ut TCP/IP n d on TCP/II	etworks. Gainin P model.	g practica	I knowledge necessary fo	or design, implementa	ation and mai	ntenance			
3. Cours	se content/stru	icture:										
Passive data tra dynami Commu protecti signatu satellite	e and active eq nsmission (ba c routing proto inication devic on of network: re. Wireless co based netwo	uipment fo sics of OSI cols, UDP, es: hub, sw SNMP, pa ommunicat rks, mobile	r realization 1 protocol TCP, DNS vitch, router ckage filteri ion and mo	n of computer ne) Ethernet and s), IP new genera r. Network servi ing, cryptograph bbile computing rotocol.	etwork, str serial conr ation. ces (SMT y, firewall : evolutior	uctured cabling. TCP/IP n nections (basics of OSI 1 P). Evolution of campus s, controlled access, nam n, standard compatibility,	networks: ISO referer protocol), IPv4, ICMF networks (VLAN, VPI ning services, etherific specific characterist	nce model an Pv4, routing p N). Monitoring cation protoco cics, wireless	d TCP/IP, principles, g, control, bls, digital LAN and			
4. Teac	hing methods:											
Teachir the cou course assista indeper The con explana laborato	ng methods ind rse is present is covered at nts as well as ident task solv urse lecturer a itions of the mo ory or homewo	clude: Lect ed using th laboratory through h ving or und and assista aterial cove rk tasks, th	ures, labora practice c omework a erstanding ants have c ered at the ne suggestio	atory practice, h ry didactic tools lasses through assignments (o of the solution. consultations wi lecture and praco ons are given of	nomework while stu assignme bligatory The evalu ith the stu ctice class n h	assignments, and consu dent active participation ents which students do i or optional). A student lation is in the form of or udents. During the consu les, and in the case of co	ultations. During the I is encouraged. The J ndependently or with is expected to dem al conversation with f ultations the students nsultations relating to	ectures the opractical asp n the help of onstrate the the teaching s are given a p independen	content of ect of the teaching ability of assistant. additional t work on			
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ation obligation	tions	Mandatory	Points	Final ex	xam	Mandatory	Points			
Homew	ork			Yes	5.00	Theoretical part of the ex	am	Yes	30.00			
Homew	ork		Yes 5.00									
Laborat	ory exercise a	ttendance	Yes 5.00									
Laborat	attendance	elence		Yes	5.00							
Lootaro			Literature									
Ord	Δ	uthor			Title		Publishe	er	Year			
1,	William Stall	ings	Da	ta and Compute	er Commu	nications	Prentice Hall, 2004	, ISBN: 0-	2004			
2,	Milan Kerac		Mre	Mrežno bazirani sistemi 1 - Priručnik za vežbe 13-100681-9 2004								
				izdanje)								



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	SE0009			[Discrete Mather	natics				
Number	of ECTS:	7									
Teache	rs:		Doroslovačk	ki D. Rade, Pe	trović V	ojislav, Teofanov Đ. Ljilja	na				
Course	status:		Mandatory								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:		
	3	:	3	0		()	0			
Precond	lition courses			None		-	·				
1. Educ	ational goal:										
Enablin objects	g students to and graph the	think abstr eory.	actly and gai	n new knowle	dge in the	e field of classical combi	natorial objects, nonc	classical com	binatorial		
2. Educ	2. Educational outcomes (acquired knowledge):										
Acquire courses	ed knowledge is used in further education and professional courses. Mathematical models are designed and solved in professional so using the material from this course.										
3. Cours	se content/stru	nt/structure:									
Lecture without graph th planar g exercise contribu	s (Theoretical repetition), pa leory, connect graphs (the fu es adequate e ite to underst	lectures). Intition sets ion graphs Indamenta examples a anding of	Logic relati s, Stirling num , special class I theorem), E and tests from the theory.	ons, classical nbers, combin ses of graphs, Euler and Har m the theoret	combina atorics or isomorph niltonian ical lectur	torial objects (permutati n words, recurrent formu nism of graphs, matrices paths, Hamiltonian cont res are done in order to	ons, variations and c las, generative function neighborhoods, operation ours. Practice lecture exercise lectured th	combinations ons, basic co ations on grap es (lab): In la eory where e	with and ncepts of hs, trees, aboratory exercises		
4. Teach Lectures accomp typical p are also modules	ning methods: s; Computing anied by char problems are s held. Part of Combinatoric	practice. C acteristic a olved and the course cs. The sec	onsultations. and represent lectured theo e, which is a l cond module:	Lectures are ative example ry is deepene ogical unit, ca Graph theory	dynamic a es in order d. Besides in be pass /.	and interactive. In lecture r to better understand th s lectures and practice, re sed within the teaching p	s theoretical part of the matter. In practice, segular consultations a rocess in the followin	ne course is p which follows nd group cons ng 2 modules.	oresented lectures, sultations The first		
				Knowledge	evaluation	(maximum 100 points)					
	Pre-examina	tion obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Comput	er exercise att	endance		Yes	5.00	Written part of the exam	- tasks and theory	Yes	20.00		
Lecture	attendance			Yes	5.00	Oral part of the exam		Yes	40.00		
Test				Yes	15.00	-					
Test			Yes 15.00								
			Literature								
Ord.	A	uthor			Title	9	Publishe	er	Year		
1,	Doroslovački	R	Kombinatorika na rečima Feljton 2000					2000			
2,	Tošić Ratko	v	Komt	pinatorika			Univezitet u Novom	i Sadu	1999		
3,	Cvetković Dr	agoš	Teori	ja grafova i nje	ene prime	ne	Naučna knjiga Beog	grad	1990		
4,	RODIN J. Wils	ion	Introc	Introduction to Graph Theory Robin Wilson 1996							



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course	:											
Course	id:	EJ2L			Englis	sh La	anguage – Ir	ntermediate				
Number	r of ECTS:	3										
Teache	rs:		Bogdanov F. Jelisave	ić Ž. Vesna, Ga eta	ik M. Drag	gana, K	Katić M. Marina, Lič	en S. Branislava, Miro	ović Đ. Ivana	, Šafranj		
Course	status:		Elective									
Number	r of active tead	ching classe	es (weekly)									
L	ectures:	Practical	classes:	Other teach	ing types:	:	Study rese	arch work:	Other cla	asses:		
	3	()	0			C)	0			
Precond	dition courses	-										
1. Educ	ational goal:			-								
Knowle enginee accorda knowleo syntax	Knowledge about the basics of English for Specific Purposes related to students' future profession. Students read a selection of engineering and scientific texts covering different areas of computing and control engineering in order to learn professional terms in accordance with definitions, classifications, terms and notions adopted by contemporary European and international standards. The knowledge of the English language is expanded by including new vocabulary, compounds, use of prefixes and suffixes, grammatical and syntax structures characteristic of English for specific purposes in this area.											
2. Educ	2. Educational outcomes (acquired knowledge):											
Studen employ	Students acquire enough knowledge and skills to use professional English in simple communication with clients, colleagues and employers.											
3 Cour	se content/stri	ucture:										
A select speech	tion of texts f , passive.	rom profes	sional eng	ineering areas	. Systema	atizatio	on of verb tenses,	conditional sentence	es, direct an	d indirect		
4. Teac	hing methods:											
Teachir and find there. A and exp discuss	ng is done usin d new words in A part of the cl bansion of kno ions and pair	ng commur n a dictiona lass is devo wledge rel work.	nicative met ary. This is oted to lear ated to cert	thod of languag followed by a c ning and practi ain grammar si	ge learning liscussion cing new tructures.	ig. Afte n about vocab . Stude	r a short introduction t the topics mention ulary through oral a nts are encouraged	on about a topic, the ned in the text and th and written exercises d to communicate in	students rea ne conclusior as well as to English throu	d the text ns offered o revision ugh group		
				Knowledge	evaluation	n (maxi	imum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Ì	Final e	xam	Mandatory	Points		
Test				Yes	10.00) Writte	en part of the exam	- tasks and theory	Yes	40.00		
Test				Yes	10.00	Oral p	part of the exam		Yes	30.00		
Test				Yes	10.00)						
					Liter	rature						
Ord.	A	Author			Title	е		Publishe	er	Year		
1,	Eric H. Gleno McEwan	dinning, Jol	n Bas	ic English for C	computing	9		Oxford University P	ress, Oxford	2003		
2,	Edita Čavić		Eng	lish in Architec	ture			Naučna knjiga, Bec	ograd	2001		
3,	John and Liz	Soars	Nev	v Headway Pre	-Intermed	liate		Oxford University P	Press, Oxford	2003		
4,	N. Coe, M. F Paterson	arrison, K.	Oxf	ord Practice Gr	ammar - E	Basic		Oxford University P	Press	2006		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	EJ3L			Engli	sh Language –	Advanced				
Number	of ECTS:	3		<u>× 0</u>			0.0.11		ě c		
Teache	'S:		F. Jelisaveta	Z. Vesna, Ga I	k M. Drag	ana, Katić M. Marina, Lić	en S. Branislava, Miro	ović Đ. Ivana,	Safranj		
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:		
	3	()	0		C)	0			
Precond	lition courses	-	-								
1. Educ	ational goal:			-							
Knowled for unde field of structur	dge about the erstanding fore study. Develo e.	most impo eign langua oping oral a	rtant terms in ge texts. Abil and written c	English for S ity to read an ommunication	pecific Pu d understann related	rposes related to studen and original English texts to these topics using ad	ts' future profession. related to various as equate vocabulary a	Developing s pects and are ind complex	strategies eas in the sentence		
2. Educ	ational outcom	nes (acquire	ed knowledge	e):							
Student professi	s acquire a wi onal topics in	de vocabul English, us	ary related to sing terms and	their field of s	study. The ructures cl	ey can use professional lit haracteristic of their future	erature in this field an e profession.	nd communic	ate about		
3. Cours	3. Course content/structure:										
etc. Mas describi collocat and pas	es for underst stering most fr ng purpose ar ions. Passive sive).	anding ES equent terr id function, constructio	P texts such ns related to describing co ns, participle	as: skimming students' futu omponents, ca constructions	anous asp , scanning re profess ause and s. Reduce	g, comparing sources, us ion. Acquiring language f effect relations, etc. Most d relative clauses (active	sing context, using baunctions such as con frequent prefixes, su and passive), reduce	ackground kr parison, clas ffixes, compo ed time clause	iowledge, sification, unds and es (active		
4. Teac	ning methods:										
Emphas languag other ch the subj	sis is on stude e learning. Ex paracteristic el ect area and p	ents' comm ercises are ements of make comm	nunicating am designed in ESP. Some c ments and ex	nong themsel such a way as of the exercise planations wh	ves and w s to aid ar es are pur hich provio	with the teacher. Teachin ad check text comprehens posefully designed to en de additional language pr	g is done using com sion and to practice s courage students to u actice.	municative n uitable vocab use their know	nethod of ulary and wledge of		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Test				Yes	10.00	Written part of the exam	 tasks and theory 	Yes	40.00		
Test				Yes	10.00	Oral part of the exam		Yes	30.00		
Test				Yes	10.00						
					Liter	ature					
Ord.	A	uthor			Title)	Publishe	er	Year		
1,	Eric Glendini McEwan	ning, John	Oxfor	d English for	Informatio	n Technoglogy	Oxford University P	ress	2006		
2,	Edita Čavić		English in Architecture Naučna knjiga, Beograd 2001								
3,	John Eastwo	od	Oxfor	d Practice Gra	ammar-Int	ermediate	Oxford University P	ress	2000		
4,	grupa autora		Oxfor	d English-Ser	bian Dictio	onary	OUP		2000		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course id:	NJ1L			Germa	an Language - E	Elementary					
Number of ECTS:	3										
Teachers:		Berić B. And	drijana, Jović E	D. Miomira	I						
Course status:		Elective									
Number of active te	aching classe	es (weekly)									
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:			
3	()	0		0		0				
Precondition course	es		None								
1. Educational goal	:										
Mastering the basic mastering the basic	Mastering the basics of the German language: pronunciation, spelling, acquisition of vocabulary related to simple, everyday situations, nastering the basics of German morphology.										
2. Educational outc	omes (acquir	ed knowledge	e):								
Students are able to	o use spoken	and written C	German in sim	ple, every	day situations.						
3. Course content/s	tructure:										
Practical part of the related to everyda description of peop perfect, reflexive very demonstrative pro- denn, deshalb, sor	e course: ma y topics: intr le and places erbs, cases, u nouns, indefin nst and trotzo	stering basic oduction, far s, understand use of definite nite pronound lem.	speech patte mily, free time ding directions and indefinite s, modal verb	erns, pron e, work, fo s, introduc e article, r s, impera	unciation and spelling ru bod and beverages, nan tion to German culture, e negation, interrogative se tive, comparison of adje	les; developing lister ning and description etc. Theoretical part of ntences, statements, ctives, some prepos	ning skills. Vo of everyday of the course possessive p itions, senter	ocabulary / objects, : present, pronouns, nces with			
4. Teaching method	ls:										
Emphasis is on con	nmunicative r	nethod and s	tudents' activit	y in class.	Interaction between stud	lents is encouraged ir	n communica	tion.			
			Knowledge e	evaluation	(maximum 100 points)						
Pre-exam	ination obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Test		Yes 10.00 Written part of the exam - tasks and theory Yes 35.00									
Test			Yes	10.00	Oral part of the exam		Yes	35.00			
rest			Yes	10.00	atura						
Ort	Authors			Liter	ature	Dest 11		N			
1, Aufderstra	Autnor ße, Bock, Ge H Müller	rdes, Them	nen aktuell 1	i itle	3	Hueber Velag	er	rear 2003			
5. Wallet, 1		<u>I</u>									



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course													
Course	id:	SE0011		Int	roducti	on to Software	Engineering	I					
Numbe	r of ECTS:	6											
Teache	rs:		Marković	ć Milan, Perišić F	R. Branko								
Course	status:		Mandato	iry									
Numbe	r of active teac	hing classe	es (weekly	()									
L	ectures:	Practical	classes:	Other teachir	ng types:	Study resea	arch work:	Other cl	asses:				
	3	()	2		0		0					
Precon	dition courses		-	None			-						
1. Educ	ational goal:												
Training	g students to a	pply moder	n method	s, tools and best p	practices in	the software developme	ent process.						
2. Educ	2. Educational outcomes (acquired knowledge):												
Upon s environ collabo underst writes c	Jpon successful completion of the course the student is able to: use modern techniques and tools in software development (integrated environment, editors, compilers, debugers etc.); successfully cooperates in team development of software products using tools for collaboration, control systems versions and systems for tracking requests for changes; writes unit, integration and acceptance tests; understands the benefits of software controlled testing, understands and use basic methdological approaches to software development; writes documentation and uses tools for writing documentation for evolving software.												
3. Cour	se content/stru	icture:											
Theorel agile m editors; and troi softwar Python. monitor elemen demoui Practica prograr driven o managi 4. Teac Lecture	ical part: Proce ethodologies, efficient use of ubleshooting; of e developmer Behavior-Driv ing requests fi ts, technical of htable. Virtual al part: installation, development t ng and install hing methods: es, Computer	esses and iterative m of integrate- debugging. ht (TDD) a ven Develo or changes documenta environm tition, configurations configurations (Lettu ing demou	software of nethodolog d environr Version of s unit tess opment (B s, tracking ation, use ents in P guration, and of ice); Man ntable (se	development meth gies. Overview of ments; navigation control systems (V ting; integration t DD); scriptwriting y tasks, linking the r manual, writing ython. and Eclipse integ client for Subvers aging requests for etuptools, distribut ations. Assigned	project is	the traditional understa d development environ code; defining dynamic t ecture tools; subversion ceptance test, testing f de changes. Writing d d documentation gene onment, setting patterr Subversive. Testing Pyt (Trac). Writing and gene stall, pip). Virtual environ continuously monitore	nding of the software ment, advantages o templates for coding n - use, version cont rameworks in the p nethods and tools fo occumentation, source ration. Tools for main s for coding in Pyth thon programs (PyU merate documentation vironments in Pytho	e developmer ver conventie . Discovery te rol. Testing, t rogramming r project mar se code docu anaging and ton; debuggir Init, doctest). ion (Sphinx). n.	at process, conal code echniques est driven language magement, mentation installing ng Python Behavior Tools for s, project				
manage project examin	ement systems is written. The ation.	s, testing fr e final exar	ameworks n is oral.	s and framework f Assessment mar	or writing d k is based	ocumentation througho on the success of the	u project developme defense project ass	ent. The defe signment and	nse of the final oral				
				Knowledge e	valuation (r	maximum 100 points)							
Drojact	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points				
Fillect				Yes	Literat	viai part of the exam		res	50.00				
Ord		uthor			Titlo	uie	Dublich	or	Voor				
1	Younker I			oundations of acile	Python de	evelopment	Anress		2008				
2	Murphy D		M	anaging Software	Developme	ent with Trac and	PacktPub Limited		2007				
3	Sommerville	1	SI SI	ubversion oftware Engineerir	na (9th Editi	ion)	Addison-Wesley		2011				
,		herville, I. Software Engineering (9th Edition) Addison-wesley 2011											



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course id:	SE1006			Objec	t Oriented Prog	ramming 2					
Number of ECTS:	5										
Teachers:		Pap I. Ištvan	, Popović V. N	/liroslav							
Course status:		Mandatory									
Number of active tead	hing classe	s (weekly)									
Lectures:	Practical	classes:	Other teaching	ng types:	Study resea	arch work:	Other cla	asses:			
2	0)	2		0		0				
Precondition courses			None		-						
1. Educational goal:											
Getting familiar with various programming	advanced o approache	concepts of c es (multi-para	bject orienteo adigm program	d approac mming).	h using C++. Software c	levelopment by simu	iltaneous util	lization of			
2. Educational outcon	nes (acquire	ed knowledge	e):								
After finishing the cou they understand the p and he can recogniz programming approa	After finishing the course the students are familiar with possibilities of C++; they can efficiently utilize the components of standard library; they understand the principles of the object oriented approach; knows the advantages and disadvantages of the programming language, and he can recognize the engagements where it is justified to use C++; he is aware of the language specific support for various programming approaches, and knows the pros and cons for those approaches.										
3. Course content/stru	ucture:										
Introduction: basic ch libraries. Structure of constructors and assi glvalue, prvalue. Par reference. Error hand library: string, contain (set, map, multi-set, m heap operations. Tim	naracteristic a C++ progr gnment ope ameter pas ling: reactio ers, iterator nulti-map). I e measuren	es of the prog ram: global fu erators. Data ssing (function n to error in p rs, algorithms terators: inpunent.	gramming lang unctions, main streams: inpu on parameter orogram, exce a. Containers: ut, output, forw	guage, ev function, ut and out s and retu ptions, ex sequentia vard, bidire	olution of programming I classes, templates (funct put, files, stream custom urn values): by value, b ception handling, excepti I (vector, stack, list, queu ectional, with direct acces	anguage. Program s ions and classes). Au ization. Expressions: y address, by Ivalue on classes in the star ue), associative-sorte s. Algorithms: search	tructure: hea utogenerated rvalue, lvalu e reference, l ndard library. d i associativ ning, modifier	aders and methods: e, xvalue, by rvalue Standard re-hashed s, sorting,			
4. Teaching methods:											
Lectures, Computer L	ab Exercise	es, Consultati	ons.								
	Knowledge evaluation (maximum 100 points)										
Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	xam	Mandatory	Points			
Laboratory exercise d	efence		Yes	70.00	Oral part of the exam		Yes	30.00			
				Litera	ature						
Ord. A	Author			Title		Publishe	er	Year			
1, Bjarne Strou	strup	The C++ Programming Language (4th Edition) Addison-Wesley 2013									



UNIVERSITY OF NOVI SAD

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course:										
Course	id:	SE0013				Data Organiza	tion			
Number	of ECTS:	4								
Teache	rs:	C	Obradović J	. Đorđe, Luko	vić S. Ivan					
Course	status:	Ν	/landatory							
Number	of active teac	hing classes	(weekly)							
L	ectures:	Practical c	lasses:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:	
	2	0		2		0		0		
Precond	lition courses			None						
1. Educ	ational goal:									
Basic st Geting I	tudents' educa knowledge ab	ation in the a out developr	rea of file o nent and us	organization, a se of file syste	as well as ems.	physical data structures	implemented at exte	ernal memory	y devices.	
2. Educ	ational outcom	nes (acquired	l knowledge	e):						
The acc course,	uired knowled students unde	dge is used in erstand princ	in practice and in the Databases course, as well as in future engineering courses. After completing the iciples of file organization and data management systems.							
3. Cours	se content/stru	icture:								
An intro method Sequen	duction to file s. Physical da tial and Index	organizatior ata structure k B-tree file k	n. External i s and file s organizatio	memory devid systems. Met n.	ces and I/0 hods and	O subsystem. Operating approaches to data org	system services and anization. Pile, Sec	l system call quential, Has	s. Access h, Index-	
4. Teac	hing methods:									
Teachin teaching active p earning	g is performed g process, stud articipation in at least 30 pc	d through les dents are cor the whole le pints.	ssons, oral a nstantly mo ecturing pro	and computer tivated to an i cess. The pre	exercises ntensive d erequisite	(in the computer classro iscussion, problem orien to enter final exam is to	oom), as well as cons ted reasoning, indepe complete all the pre-	sultations. Th endent study exam assign	rough the work and ments by	
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ation obligatio	ons	Mandatory	Points	Final e	xam	Mandatory	Points	
Exercise	e attendance			Yes	5.00	Theoretical part of the ex	am	Yes	30.00	
Project	haali			Yes	30.00					
Term na	lask			Yes	20.00					
Termpe			Yes 20.00							
Ord	Δ	uthor			Title		Publishe	er	Year	
1,	A.V. Aho, J.E Hopcroft	D. Ullman, J.E	E. Data	Structures and	d Algorithn	ns	Addison-Wesley		1983	
2,	T.H. Cormen R.L. Rivest, (, C.E. Leiser C. Stein	son, Introd	uction to Algo	orithms		MIT Press		2009	
3,	Mogin Pavle		Strukt	ture podataka	i organiza	icija datoteka, III izdanje	CET Beograd		2008	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course												
Course	id:	SE0014			C	computer organi	sation					
Number	of ECTS:	4										
Teache	rs:		Nenadić	M. Goran, Rakić	S. Predrag	g, Sladić S. Goran						
Course	status:		Mandato	ory								
Number	of active teac	hing classe	s (weekly	y)								
L	ectures:	Practical	classes:	Other teaching	ng types:	Study resea	arch work:	Other cl	asses:			
	2	C)	2		0		0				
Precon	dition courses	-		None								
1. Educ	ational goal:											
Comput	er organisatio	n fundamer	ntals. Arch	ls. Architecture, principals and implementations.								
2. Educ	Educational outcomes (acquired knowledge):											
Introdu Classifi	ction to orgar cation of arcl	nisation of hitectures a	compute and parts	ers, principles and s.	d most in	nportant parts. Evaluation	on of efficiency of c	computing o	perations.			
3. Cour	se content/stru	icture:										
Comput periphe formats	ter organisatio rals); Digital lo , classificatior	on introduct ogic (boole n; Assemble	ion (basic an logic, er langua	c terms, history, e logic circuits, mei ige, memory and	volution); mory, IC, I/O instru	Computer organisation busses); Microarchitectu ctions; Parallel architectu	(processor, memory rre, microinstructions rres.	, input/output s, firmware, i	t systems, nstruction			
4. Teac	hing methods:											
Lecture	s, practical exe	ercises. Fin	al exam a	and practical exerc	cises form	the final grade.						
				Knowledge e	valuation	(maximum 100 points)						
	Pre-examina	ation obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Project	defence			Yes	50.00	Oral part of the exam		Yes	50.00			
					Liter	ature						
Ord.	Α	uthor			Title		Publishe	er	Year			
1,	A. S. Tanenb	aum, T. Au	istin St	Structured Computer Organization, 6th edition Prentice Hall 2012								



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course id: E232 System Modeling and Simulation Number of ECTS: 8 Teachers: Erdeljan M. Aleksandar, Čapko Lj. Darko, Vukmirović M. Srđan Course status: Elective Number of active teaching classes (weekly) Electures: Practical classes: Other teaching types: Study research work: Other classes Other classes	ses:								
Number of ECTS: 8 Teachers: Erdeljan M. Aleksandar, Čapko Lj. Darko, Vukmirović M. Srđan Course status: Elective Number of active teaching classes (weekly) Elective Lectures: Practical classes: Other teaching types: Study research work: Other classes	ises:								
Teachers: Erdeljan M. Aleksandar, Čapko Lj. Darko, Vukmirović M. Srđan Course status: Elective Number of active teaching classes (weekly) Elective Lectures: Practical classes: Other teaching types: Study research work: Other classes	ses:								
Course status: Elective Number of active teaching classes: (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes	ses:								
Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes	ses:								
Lectures: Practical classes: Other teaching types: Study research work: Other class	ses:								
4 0 3 0 1									
Precondition courses									
1. Educational goal:									
Mastering theoretical and practical basics of system modeling and simulation.									
2. Educational outcomes (acquired knowledge):									
Acquired knowledge can be used in solving specific engineering problems, and also present a basis for further understan professional courses	nding of								
3. Course content/structure:									
Place and role of modelling and simulation, practical applications. Theory of modelling and simulation. Mathematical models of time continuous systems. Examples of model forming: mechanical, thermal, hydrodynamic, electrical and electro-mechanical systems. Analogies between size and parameters. Electromechanical analogies. Model linearization. Simulation on analogue / hybrid computer. Simulation languages. Simulation on digital computer (Matlab/Simulink); Mathematical and simulation models of time discrete systems. System identification. Parameters identification. Example artificial neural networks.									
4. Teaching methods:									
Lectures; Numerical – calculation practice. Computer practice. Laboratory practice. consultations. The examination is written and oral. The written part consists of at least four tasks, in order to pass the examination a students must successfully complete at least 50% of each task. The course material can be divided into two colloquia. The oral part of the examination is based on a list of examination questions. The colloquia, tests and examination are written. The written part is eliminating. The final grade									
Knowledge evaluation (maximum 100 points)									
Pre-examination obligations Mandatory Points Final exam Mandatory	Points								
Complex exercises Yes 5.00 Coloquium exam No	20.00								
Complex exercises Yes 5.00 Coloquium exam No	20.00								
Complex exercises Yes 5.00 Oral part of the exam Yes	30.00								
Complex exercises Yes 5.00 Practical part of the exam - tasks Yes	40.00								
Ord Author Title Dublishor									
1. A. Erdelian, D. Čapko Štampani materijal koji pokriva predavanja i vežbe 2	2005								
2, Latinka Ćalasan, Menka MATLAB i dodatni moduliControl System Toolbox i Mikro knjiga, Beograd 1	1995								
3, Duane Hanselman, Bruce Mastering MATLAB 6 - A Comprehensive Tutorial Prantice Hall, ISBN: 0-13- and Reference 019468-9	2001								
4, C.M.Close, D.K.Frederick, J.C.Newell Modeling and Analysis of Dynamic Systems John Wiley & Sons, Inc. 2	2002								



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:		_											
Course	id:	E237]	Optimization Methods									
Number	of ECTS:	8											
Teache	rs:		Jeličić D	. Zoran, Rapaić R	. Milan								
Course	status:		Elective										
Number	of active teac	hing class	es (weekly	()									
L	ectures:	Practica	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:				
	4	:	2	1		0		1					
Precond	dition courses	-		•		•							
1. Educ	ational goal:			2									
Student	s learn about t	theoretical	and pract	ical bases of non-	linear optir	nization of static and dyr	namic systems.						
2. Educ	ational outcom	nes (acquir	ed knowle	edge):									
The acc	uired knowled	lge can be	used in so	olving practical en	gineering	problems and forms a ba	sis for future enginee	ering subjects					
3. Cours	se content/stru	icture:											
variable equality problem Pontrya optimiza	Formulation of optimization problem. Theoretical bases of static optimization. Analytical system determination, functions of one or more variables without constraints. Analytical determination of extremes, functions of one or more variables with constraints on the type of equality and inequality. Linear programming. Numerical solutions of one-dimensional problems. Numerical solutions of multi-dimensional problems with and without constraints. Fundamentals of variational calculus. Direct methods of variational calculus. Optimal control. Pontryagin's maximum principle. Dynamic programming, linear regulators. Numerical methods of dynamic optimization. Modern optimization procedures: genetic algorithm, simulated annealing, PSO. Application of optimization procedures in training artificial neural neural protects and fuzzy logic systems. Examples of protection of practical engineering activities and fuzzy logic systems.												
4. Teac	hing methods:												
Lecture The exa task mu a list of on the b	Lectures, Numerical and calculation practice. Computer practice. Laboratory practice. Consultations. The examination is written and oral. The written part consists of at least four parts, in order to achieve a passing grade min 50 % each task must be completed successfully. The course material can be divided into two colloquia. The oral part of the examination is based on a list of examination questions. The colloquia, tests and examination are written. The written part is eliminating. The final grade is formed on the basis of colloquia homework assignments, written and oral part of the examination												
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examina	ation obliga	itions	Mandatory	Points	Final ex	kam	Mandatory	Points				
Project	Project Yes 30.00 Coloquium exam No							40.00					
Oral part of the exam						Yes	30.00						
						Practical part of the exam	n - tasks	Yes	40.00				
			Literature										
Ord.		Nuthor			I Itle		Publishe	er	Year				
່, ເ	J. Petric, S. Z		Nelinearno programiranje Naučna knjiga, Beogra			n Sadu	1983						
<u>∠,</u> 3	Dimitri P Re	rtsekas		Jonlinear Program	mina		Athena Scientific	n Sauu	2004				
5,	Diritari . De			Autoria Geletiante 2004									



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course												
Course	id:	SEAU01	j N	Nonlinear programming and evolutionary computations								
Number	of ECTS:	8										
Teachers: Čongradac D. Velimir, Jeličić D. Zoran, Kulić J. Filip, Rapaić R. Milan												
Course	status:		Elective									
Number of active teaching classes (weekly)												
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
	4	2	2	1		0		0				
Precon	dition courses	-		None								
1. Educ	ational goal:											
The ma techniq	in objective of ues.	the course	e is to acqu	iire knowledge o	on the type	es of nonlinear optimization	on methods and evol	utionary prog	gramming			
2. Educ	ational outcom	nes (acquir	ed knowled	lge):								
The acc	uired knowled	lge can be	used in sol	ving practical en	gineering	problems and forms a ba	sis for future enginee	ring subjects				
3. Cour	se content/stru	icture:										
Basic p case. O multipli Multidir method optimiz algorith	rinciples of op ne-dimensiona ers method. I nensional cor s of multidim ation. Evoluti ms: ACO (Ar	timization. al search a Multidimer nstrained c ensional c onarz and nt Colony	Optimizati Igorithms. N nsional nur optimization constrained genetic co Optimization	on problem. On Multidimensional merical optimiz n methods. Bas d programming. omputation. Pa on), BFO (Bact	e-dimensi search o ation. Ne sic princip Linear p rticle swa eria Fora	ional optimization. Suffici ptimization without constr wton and quasi-Newtor oles of convex programm orogramming. Quadratic arm optimization. Basic gging Optimization),	ent and necessary co aints. Bounded variat a algorithms. Nealdo ning. Kuhn-Tucker co programming. Basio principles of moder	onditions in t tion method. er-Meade al- conditions. N c principles n global opt	he scalar Lagrange gorithms. lumerical of global imization			
4. Teac	hing methods:											
Lecture	s. Study. Rese	earch										
				Knowledge e	evaluation	(maximum 100 points)			1			
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Homew	ork			Yes	30.00	Written part of the exam	- tasks and theory	Yes	50.00			
1est Yes 10.00												
1651				Yes	10.00							
Ord		uthor					Dublich		Veer			
	Potrić Zlobo		No	linearno progran	i Itle	;	Publishe Naučna Knijga, Bog	arad	1083			
2	D Bertsekas		No	Intermetation programming Intermetation Nonlinear programming Athena Scientific 2				2004				
<u></u> ,	2. 20100kd3				9							



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course id: E242 Software Specification and Modeling Number of ECTS: 8 Course status: Mandet of ECTS: 8 Course status: Mandetory Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other teaching types: 1 Educational goal: Study research work: Other teaching types: 2 Educational goal: Students learn about efficient and effective modeling and specification of software systems. They gain knowledge and skills necessary for analysis and specification of software requirements. They learn the basics of model based design. They learn about UML specifications. 2 Educational outcomes (acquired knowledge): After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system and application of UML formalisms with modeling static and dynamic bachavior of system and software. 3 Course static and dynamic modeling. Basics of Multare design, static and dynamic bachavior of system and software. 3 Course ontent/structure: Basic software system model. Relationship between requirement specification, design specification	Course:													
Number of ECTS: 8 Teachers: Perisi6 R. Branko, Milosavljević R. Gordana Course status: Mandatory Number of active teaching classes: Other teaching types: Study research work: Other classes: 4 0 3 0 1 Precondition courses	Course	id:	E242	Software Specification a			and Modeling							
Teachers: Periski R. Branko, Milosavljević R. Gordana Course status: Mandatory Number of active teaching classes: Other teaching types: Study research work: Other classes: 4 0 3 0 1 Precondition courses Iteducers: Practical classes: Other teaching types: Study research work: Other classes: 1. Educational goal: Students learn about efficient and effective modeling and specification of software systems. They gain knowledge and skills necessary for analysis and specification of software equirements. They learn the basics of model based design. They learn about UML specifications. 2. Educational outcomes (acquired knowledge): After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system and software and application of UML formalisms with modeling static and dynamic behavior of system and software. 3. Course content/structure: Basics of requirement engineeming, process, expression, analysis, design specification, nequirement verification and validation. Beasics of requirement engineeming, process, expression, analysis, design specification and software system implementation diagram, activity diagram, tate diagram. Advanced UML modeling: Interact, and physical architecture modeling. Barks of complex system specification is notware system architecture. 4. Teaching methods: In the therecical part of the course, parallel with the introduction of knowledge and ski	Number	of ECTS:	8											
Course status: Mandatory Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 3 0 1 Precondition courses 1. Educational goal: Students learn about efficient and effective modeling and specification of software systems. They gain knowledge and skills necessary for analysis and Specification of software requirements. They learn the basics of model based design. They learn about UML specifications. 2. Educational outcomes (acquired knowledge): After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system and software and application of UML formalisms with modeling static and dynamic behavior of system and software. 3. Course content/structure: Basics of requirement model. Relationship between requirement specification, design specification, and software system implementation. Development of formal document – requirements use case diagram, class diagrams, object diagrams, cooperation diagram, sequence diagram, activity diagram, state diagram. Advanced UML modeling: Interface, packets and physical architecture modeling. Structure, organization and mela-model. UML diagrams: and working in teams practice what they have learnt on two typical project for som of 3 to 5 members and working in teams practice what they have leant on two typical project for omproject teams of 3 to 5	Teache	rs:		Perišić R.	rišić R. Branko, Milosavljević R. Gordana									
Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 3 0 1 Precondition courses 1. Educational goal: Students learn about efficient and effective modeling and specification of software systems. They learn about UML specifications. 2. Educational goal: Students learn about efficient and effective modeling and specification of software systems. They learn about UML specifications. 2. Educational outcomes (acquired knowledge): After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system and software and application of UML formalisms with modeling static and dynamic behavior of system and software system model. Relationship between requirement specification, design specification, requirement verification and validation. Basics of otware design, static and dynamic modeling. Basics of UML structure, organization and meta-model. UML diagrams: use case diagram, class diagrams, cobject diagrams, cooperation diagram, state and dynamic modeling. Basics of UML structure, organization and meta-model. UML diagram. State and dynamic modeling. Interface, packets and physical architecture modeling. Basics of the system from real. Artenching methods: In the theoretical part of the course, parallel with the introduction of knowledge and skills related to specification and modeling of systems and software, students from project teams of 3 to 5 members and working in teams practice what th	Course	status:		Mandator	/									
Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 3 0 1 Precondition courses 1 Educational goal: Students learn about efficient and effective modeling and specification of software systems. They gain knowledge and skills necessary for analysis and specification of software requirements. They learn the basics of model based design. They learn about UML specifications. 2. Educational outcomes (acquired knowledge): After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system and software and application of UML formalisms with modeling static and dynamic behavior of system and software. 3. Course content/structure: Basic software system model. Relationship between requirement specification, design specification, requirement verification and validation. Basics oftware design, static and dynamic modeling. Basics oftware design agrem, activity diagram, state diagram. Activa diagram, state and dynamic modeling. Basics of tware design gram, activity diagram, state diagram. Activa diagram, state and dynamic modeling. Basics of the curse and dynamic modeling. Basics oftware design patterns and their application in software system and they have learnt on two typical project software design patterns and their application of knowledge and skills related to specification and modeling dissics of tware design. They learn activity diagram, state descond project deals with system which is primarily oriented towards data and manipulation of data is modeling inductin project deals with system which is primarily orie	Number	Number of active teaching classes (weekly)												
4 0 3 0 1 Precondition courses 1. Educational goal: 1. Educational goal: 1. Students learn about efficient and effective modeling and specification of software systems. They learn about UML specification of software requirements. They learn the basics of model based design. They learn about UML specification of requirements according to the system and software and application of UML formalisms with modeling static and dynamic behavior of system and software. 3. Course content/structure: Basics of requirement engineering, process, expression, analysis, design specification, requirement verification and validation. Development of formal document – requirement specification. Basics of software system model. Relationship between requirement specification, and yalidation. Development of formal document – requirement specification and software system indeling. Basics of tograms, cooperation diagrams, colpect diagrams, cooperation diagrams, colpect diagrams, cooperation diagrams, colpect diagrams, cooperation diagrams, colpect diagrams, cooperation diagram, class diagrams, colpect diagram, class diagram, class diagration diagram dis dia graphication diagram,	L	ectures:	Practical	classes:	sses: Other teaching types: Study research work: Other classes:									
Precondition courses 1. Educational goal: Students learn about efficient and effective modeling and specification of software systems. They gain knowledge and skills necessary for analysis and specification of software requirements. They learn the basics of model based design. They learn about UML specifications. 2. Educational outcomes (acquired knowledge): After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system and software and application of UML formalisms with modeling static and dynamic behavior of system and software system model. Relationship between requirement specification, design specification, and software system implementation. Basics of requirement specification, analysis, design specification, requirement verification and validation. Development of formal document – requirement specification. Basics of sagrams, cobase diagrams, cobperation diagrams, cobase diagration diagrams, cobase diagrams, cobase diaskills rela		4	()		3		0		1				
1. Educational goal: Students learn about efficient and effective modeling and specification of software systems. They learn the basics of model based design. They learn about UML specifications. 2. Educational outcomes (acquired knowledge): After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system and software and application of UML formalisms with modeling static and dynamic behavior of system and software. 3. Course content/structure: Basic software system model. Relationship between requirement specification, design specification and software system implementation. Basics of requirement engineering, process, expression, analysis, design specification, and software system implementation. Basics of software design, static and dynamic modeling. Basics of UML, structure, organization and meta-model. UML diagrams: use case diagram, class diagrams, colyantic modeling. Basics of UML, structure, organization and meta-model. UML diagrams: use case diagram, class diagrams, colyantic modeling. Basics of UML, architectural and design patterns and their application in software system architecture. 4. Teaching methods: In the theoretical part of the course, parallel with the introduction of knowledge and skills related to specification and modeling of systems and sorting visitems and working in teams practice what they have learn to not volpical project teams of 3 to 5 members and working in teams practice what they have learn to not volpical project sof oromplex systems from real life. The first project deals with system which is primarily oriented towards data and manipulation of data and anainpulation of data and is modeled in tutor operating model. The second project data w	Precond	Precondition courses												
Students learn about efficient and effective modeling and specification of software systems. They gain knowledge and skills necessary for analysis and specification of software requirements. They learn the basics of model based design. They learn about UML specifications. 2. Educational outcomes (acquired knowledge): After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system model. Relationship between requirement specification, design specification, requirement verification and validation. Development of formal document – requirement specification. Basics of software design, static and dynamic behavior of system software. 3. Course content/structure: Basic software system model. Relationship between requirement specification, design specification and software system implementation. Development of formal document – requirement specification. Basics of software design, static and dynamic modeling. Basics of UML, and therapplication and meta-model. UML diagrams: use case diagram, class diagram, class and physical architecture modeling. Architectural and design patterns and their application in software system architecture. 4. Teaching methods: In the theoretical part of the course, parallel with the introduction of knowledge and skills related to specification and modeling of systems and software, students from project teams of 3 to 5 members and working in teams practice what they have learn to two typical projects of omplex systems from roleci teams of 3 to 5 members and working in teams practice what they have learn to project teams. As part of lecture classes the teams report on their project deals with events driven system and its modeling is given to project teams. As part of lecture classes the te	1. Educ	ational goal:			-									
2. Educational outcomes (acquired knowledge): After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system and software and application of UML formalisms with modeling static and dynamic behavior of system and software. 3. Course content/structure: Basic software system model. Relationship between requirement specification, design specification, requirement verification and validation. Tequirement verification and validation. Basics of requirement specifications according to formal document – requirement specifications consist of software design, static and dynamic modeling. Basics of UML, structure, organization and meta-model. UML diagrams: use case diagram, class diagrams, object diagrams, cooperation diagram, sequence diagram, activity diagram, state diagram. Advanced UML modeling: Interface, packets and physical architecture modeling. Architectural and design patterns and their application in software system which is primarily oriented towards data and manipulation of data and is modeled in tutor operating model. The second project deals with system which is primarily oriented towards data and manipulation of data and is modeled in tutor operating model. The second project deals with events driven system and its modeling is given to project teams of 3 to 5 members and working in teams practice what they have learnt on two typical projects of complex systems from project teams of 3 to 5 members and working in teams practice what they have learnt on two typical projects of complex systems from project teams of 3 to 5 members and working in teams practice what they have learnt on two typical projects of complex systems from project teams of 3 to 5 members and working in teams practice what they have learnt on two typical projects and is modeled in tutor operating model. The second pr	Student analysis	s learn about e and specifica	efficient an tion of soft	d effective ware requi	modeling an ements. The	d specific ey learn th	catior he ba	n of software systems. Th asics of model based des	ney gain knowledge a ign. They learn abou	nd skills nece t UML specifi	essary for cations.			
After successfully finishing the course the students have these abilities: analysis of complex systems, specification of requirements according to the system and software. 3. Course content/structure: Basic software system model. Relationship between requirement specification, design specification, and software system implementation. Basics of requirement requirement specification. Basics of software design, static and dynamic modeling. Basics of UML, structure: Basic software system model. Relationship between requirement specification, design specification, and software system implementation. Development of formal document – requirement specification. Basics of Software design, static and dynamic modeling. Basics of UML, structure, organization and meta-model. UML diagrams: use case diagram, class diagrams, object diagrams, cooperation diagram, sequence diagram, activity diagram, state diagram. Advanced UML modeling: Interface, packets and physical architecture modeling. Architectural and design patterns and their application in software system architecture. 4. Teaching methods: In the theoretical part of the course, parallel with the introduction of knowledge and skills related to specification and modeling of systems and software, systems from project teams of 3 to 5 members and working in teams practice what they have learn to two typical projects of complex systems from project teams of 3 to 5 members and working in teams practice what they have learn to two typical projects of complex systems from project teams of a to 5 members and working in teams practice what they have learn to two typical projects of complex systems from project teams of 3 to 5 members and working in teams practice what they have learn to two typical projects of complex systems from project tasms of the course the students defend their project solutions.	2. Educ	ational outcom	es (acquire	ed knowled	ge):									
3. Course content/structure: Basic software system model. Relationship between requirement specification, design specification and software system implementation. Basics of requirement engineering, process, expression, analysis, design specification, requirement verification and validation. Basics of requirement of formal document – requirement specification. Basics of software design, static and dynamic modeling. Basics of software as diagrams, object diagrams, cooperation diagram, sequence diagram, activity diagram, state diagram. Advanced UML modeling: Interface, packets and physical architecture modeling. Architecture and their application in software system architecture. 4. Teaching methods: In the theoretical part of the course, parallel with the introduction of knowledge and skills related to specification and modeling of systems of complex systems from project teams of 3 to 5 members and working in teams practice what they have learnt on two typical projects of complex systems from project teams of 3 to 5 members and working in teams practice what they have learnt on two typical projects and is modeled in tutor operating model. The second project deals with events driven system and its modeling is given to project teams. As part of lecture classes the teams report on their progress on the project. At the practical part of the course the students defend their project solutions. Pre-examination obligations Mandatory Points Final exam Mandatory Points Computer exercise attendance Yes 5.00	After su accordi softwar	iccessfully fini ng to the syst e.	ishing the em and so	course the oftware and	students h applicatior	ave these of UML	e abi form	ilities: analysis of compl nalisms with modeling st	ex systems, specific tatic and dynamic be	ation of requ havior of sys	irements stem and			
Basic software system model. Relationship between requirement specification, design specification and software system implementation. Basics of requirement engineering, process, expression, analysis, design specification, requirement verification and validation. Development of formal document – requirement specification. Basics of software design, static and dynamic modeling. Basics of UML, structure, organization and meta-model. UML diagrams: use case diagram, class diagrams, object diagrams, cooperation diagram, sequence diagram, activity diagram, state diagram. Advanced UML modeling: Interface, packets and physical architecture modeling. Architectural and design patterns and their application in software system architecture. 4. Teaching methods: In the theoretical part of the course, parallel with the introduction of knowledge and skills related to specification and modeling of systems and software, students from project teams of 3 to 5 members and working in teams practice what they have learnt on two typical projects of complex systems from real life. The first project deals with system which is primarily oriented towards data and manipulation of data and is modeled in tutor operating model. The second project deals with events driven system and its modeling is given to project teams. As part of lecture classes the teams report on their progress on the project. At the practical part of the course the students defend their project solutions. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points So.00 Computer exercise attendance Yes 5.00 Theoretical part of the exam Yes 30.00<	3. Cours	se content/stru	cture:											
4. Teaching methods: In the theoretical part of the course, parallel with the introduction of knowledge and skills related to specification and modeling of systems and software, students from project teams of 3 to 5 members and working in teams practice what they have learnt on two typical projects of complex systems from real life. The first project deals with system which is primarily oriented towards data and manipulation of data and is modeled in tutor operating model. The second project deals with events driven system and its modeling is given to project teams. As part of lecture classes the teams report on their progress on the project. At the practical part of the course the students defend their project solutions. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Computer exercise attendance Yes 5.00 Pre-examination obligations Mandatory Ord. Mandatore Ves 5.00 Pretereamination obligations Mandatory Ves 5.00 Pretereamination obligations Mandatory Ves 5.00 Pretical part of the exam Yes 20.00 Lecture attendance Yes 5.00 Practical part of the exam Yes 30	Basic so Basics Develop structur sequen Architeo	oftware system of requireme oment of forma e, organizatio ce diagram, a ctural and des	n model. Re nt enginee al documen n and met ctivity diag ign patterr	elationship ering, proc nt – require a-model. I ram, state ns and thei	between re ess, expres ment specif JML diagran diagram. <i>A</i> r applicatior	quiremen sion, an ication. E ns: use c dvanced i in softwa	nt spe nalysi Basic case I UMI vare s	ecification, design specific is, design specification is of software design, sta diagram, class diagram L modeling: Interface, pa system architecture.	cation and software s , requirement verific atic and dynamic mod ns, object diagrams, ackets and physical a	ystem implen cation and v deling. Basics cooperation architecture i	nentation. alidation. s of UML, diagram, modeling.			
Knowledge evaluation (maximum 100 points)Pre-examination obligationsMandatoryPointsFinal examMandatoryPointsComputer exercise attendanceYes5.00Theoretical part of the examYes20.00Lecture attendanceYes5.00Practical part of the exam - tasksYes30.00Project taskYes40.00	4. Teac In the th and soft of comp and is n As part project	4. Teaching methods: In the theoretical part of the course, parallel with the introduction of knowledge and skills related to specification and modeling of systems and software, students from project teams of 3 to 5 members and working in teams practice what they have learnt on two typical projects of complex systems from real life. The first project deals with system which is primarily oriented towards data and manipulation of data and is modeled in tutor operating model. The second project deals with events driven system and its modeling is given to project teams. As part of lecture classes the teams report on their progress on the project. At the practical part of the course the students defend their project.												
Pre-examination obligationsMandatoryPointsFinal examMandatoryPointsComputer exercise attendanceYes5.00Theoretical part of the examYes20.00Lecture attendanceYes5.00Practical part of the exam - tasksYes30.00Project taskYes40.00 </td <td></td> <td></td> <td></td> <td></td> <td>Knowled</td> <td>ge evalua</td> <td>ation</td> <td>(maximum 100 points)</td> <td></td> <td>-</td> <td></td>					Knowled	ge evalua	ation	(maximum 100 points)		-				
Computer exercise attendance Yes 5.00 Theoretical part of the exam Yes 20.00 Lecture attendance Yes 5.00 Practical part of the exam - tasks Yes 30.00 Project task Yes 40.00		Pre-examina	ition obliga	tions	Mandat	ory Poi	ints	Final e	xam	Mandatory	Points			
Lecture attendance Yes 5.00 Practical part of the exam - tasks Yes 30.00 Project task Yes 40.00 40.00 30.00 Ord. Author Yes 40.00 Practical part of the exam - tasks Yes 30.00 Literature Ord. Author Title Publisher Year 1, Branko Perišić "Specifikacija i modeliranje softvera" Elektronska verzija-PDF,PPT 2005 2, S.L.Pfleeger, J. M. Atlee Softversko inženjerstvo Teorija i praksa, treće izdanje Prentica Hall, CET-Beograd 2006 3, L. A. Maciaszek "Requirements Analysis and System Design" Developing Information Systems with UML Addisom Wesley 2001 4, OMG OMG web sajt www.omg.org 2007 5, Grady Booch, James Rumbaugh, Ivar Jacobson UML Vodič za korisnika CET , Beograd 2000	Comput	er exercise att	endance		Yes	5	5.00	Theoretical part of the ex	am	Yes	20.00			
Project task Yes 40.00 Literature Literature Ord. Author Title Publisher Year 1, Branko Perišić "Specifikacija i modeliranje softvera" Elektronska verzija-PDF,PPT 2005 2, S.L.Pfleeger, J. M. Atlee Softversko inženjerstvo Teorija i praksa, treće izdanje Prentica Hall, CET-Beograd 2006 3, L. A. Maciaszek "Requirements Analysis and System Design" Developing Information Systems with UML Addisom Wesley 2001 4, OMG OMG web sajt www.omg.org 2007 5, Grady Booch, James Rumbaugh, Ivar Jacobson UML Vodič za korisnika CET , Beograd 2000	Lecture	attendance			Yes	5	5.00	Practical part of the exan	n - tasks	Yes	30.00			
CiteratureOrd.AuthorTitlePublisherYear1,Branko Perišić"Specifikacija i modeliranje softvera"Elektronska verzija-PDF,PPT20052,S.L.Pfleeger, J. M. AtleeSoftversko inženjerstvo Teorija i praksa, treće izdanjePrentica Hall, CET-Beograd20063,L. A. Maciaszek"Requirements Analysis and System Design" Developing Information Systems with UMLAddisom Wesley20014,OMGOMG web sajtwww.omg.org20075,Grady Booch, James Rumbaugh, Ivar JacobsonUML Vodič za korisnikaCET , Beograd2000	Project	lask			Yes	40	J.00	- 4						
Ord.AuthorIntePublisherYear1,Branko Perišić"Specifikacija i modeliranje softvera"Elektronska verzija-PDF,PPT20052,S.L.Pfleeger, J. M. AtleeSoftversko inženjerstvo Teorija i praksa, treće izdanjePrentica Hall, CET-Beograd20063,L. A. Maciaszek"Requirements Analysis and System Design" Developing Information Systems with UMLAddisom Wesley20014,OMGOMG web sajtwww.omg.org20075,Grady Booch, James Rumbaugh, Ivar JacobsonUML Vodič za korisnikaCET , Beograd2000														
1,Branko PensicSpecifikacija i modeliranje solveraElektrofiska verzija-PDF,PP120052,S.L.Pfleeger, J. M. AtleeSoftversko inženjerstvo Teorija i praksa, treće izdanjePrentica Hall, CET-Beograd20063,L. A. Maciaszek"Requirements Analysis and System Design" Developing Information Systems with UMLAddisom Wesley20014,OMGOMG web sajtwww.omg.org20075,Grady Booch, James Rumbaugh, Ivar JacobsonUML Vodič za korisnikaCET , Beograd2000		A Dranka Dariž	utnor	Title Publisher							Year			
2, 0.L.1 neeger, 3. W. Alee Softwersko inzergersko recigar praksa, neeger zoanje i renida nah, 0.L.1-beograd 2000 3, L. A. Maciaszek "Requirements Analysis and System Design" Developing Information Systems with UML Addisom Wesley 2001 4, OMG OMG web sajt www.omg.org 2007 5, Grady Booch, James Rumbaugh, Ivar Jacobson UML Vodič za korisnika CET , Beograd 2000	1, 2	S I Dfloodor			iecilikacija i itvorsko inže	nierstvo 1	IJE SC Teori	ja i praksa treće izdanje	Prentica Hall CET	-PDF,PP1 Beograd	2005			
4, OMG OMG web sajt www.omg.org 2007 5, Rumbaugh, Ivar Jacobson UML Vodič za korisnika CET , Beograd 2000	3,	L. A. Maciasz	zek	"Requirements Analysis and System Design" Addisom Wesley						Deograd	2000			
5, Grady Booch, James Rumbaugh, Ivar Jacobson UML Vodič za korisnika CET , Beograd 2000	4,	OMG		OMG web sait www.omg.org							2007			
	5,	Grady Booch Rumbaugh, I	, James var Jacobs	on UN	IL Vodič za ł	orisnika			CET , Beograd		2000			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Tool and the second

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course	:											
Course	id:	E224A		Probability and Stochastic Processes								
Numbe	r of ECTS:	5										
Teache	rs:		Stojaković I	M. Mila, Mihailo	ović P. Bilj	ana						
Course status: Mandatory												
Numbe	Number of active teaching classes (weekly)											
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:			
	2	1		0		0		1				
Precon	dition courses	-		None		•						
1. Educ	ational goal:											
Enablin	g students to c	levelop abs	tract thinkin	g and acquire I	basic know	wledge in the field of prob	ability and random pr	ocesses.				
2. Educ	ational outcom	nes (acquire	d knowledg	e):								
Ability to field of	o use the acqu probability and	iired knowle I random pro	dge in furth ocesses.	er education in	engineer	ing subjects so as to post	ulate and solve math	ematical mod	lels in the			
3. Cour	se content/stru	icture:										
Basic d functior correlat system	Basic definitions in probability, conditional probability and Bayes' formula. Random variable of continuous and discrete type, distribution function. Two-dimensional random variable. Conditional distribution. Numerical properties – expectation, dispersion, covariance, correlation. Random processes – general terms. Markov chains and processes, the processes of birth and death, mass servicing experiment.											
4. Teac	hing methods:											
Lecture followe knowlee present probabi	Lectures; Numerical calculation practice. Consultations. Lectures are combined. In lectures, theoretical part of the course is taught followed by typical examples for better understanding. In practice, which accompanies lectures, typical problems are solved and knowledge from the lectures is deepened. Besides lectures and practice, consultations are held on a regular basis. Part of the course, presenting a logical whole, can be passed during the teaching process in the form of the following 3 modules (the first module: theory of probability, the second module: random variable, the third module: random processes). Oral part of the examination is optional											
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ation obligati	ons	Mandatory	Points	Final ex	xam	Mandatory	Points			
Exercis	e attendance			Yes	5.00	Coloquium exam		No	20.00			
Homew	ork			Yes	5.00	Coloquium exam		No	20.00			
lest			Yes	10.00	Oral part of the exam		Yes	30.00				
rest				Yes	10.00	Practical part of the exam	n - tasks	Yes	40.00			
	-				Liter	ature						
Ord.	A Mile State	utnor	0*		l itle	2	Publishe	er	Year			
1,			Siuc	ajili procesi ka rešenih zada	ataka sa n	a pismenih ispita iz			2004			
2,	i atjana Grbi	c, Ljubo Neo	ovic verovatnoće FTN 2002						2002			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:													
Course	id:	SE0016	Databases										
Number	of ECTS:	6											
Teacher	'S:		Milosavlje	ilosavljević R. Gordana, Nenadić M. Goran, Milanović N. Nikola, Ristić M. Sonja, Luković S. Ivan									
Course	status:		Mandatory	1									
Number	of active teac	hing classe	es (weekly)										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:				
	2	C)	2		С		2					
Precond	Precondition courses												
1. Educa	ational goal:												
Basic s implem	tudents' edu entation, use	cation in a	databases ntenance	. Students gai of databases.	in fundan	nental knowledge in da	atabases and learn	i basic techr	niques of				
2. Educa	ational outcom	es (acquire	ed knowled	ge):									
The acc Informa	The acquired knowledge is used in practice and in future engineering courses: Databases 2, Software Specification and Modeling, Information System Engineering, Business Informatics, Database Systems.												
3. Cours	se content/stru	cture:											
Databas manage data mo languag	ses and their ro ment system. del. Functiona e SQL. Transa	ole in the d Data mode Il depender action data	evelopmen els. ER data ncy and the processing	t and exploitatic a model; Relatio e relation schem g.	on of inforr onal data n ne key. Fu	nation systems. Basic no nodel. Relational algebra ndamentals of database	tions and concepts in . Types of database design. The databas	n databases, constraints in e manageme	Database relational nt system				
4. Teacl	ning methods:												
Teachin teaching active p earning	g is performed g process, stud articipation in at least 30 pc	through le dents are c the whole ints.	essons, ora onstantly n lecturing p	al and computer notivated to an i rocess. The pre	exercises ntensive c erequisite	i (in the computer classro liscussion, problem orien to enter final exam is to	bom), as well as cons ted reasoning, indep complete all the pre	sultations. Th endent study -exam assign	rough the work and ments by				
				Knowledge	evaluation	(maximum 100 points)			_				
	Pre-examina	tion obligat	tions	Mandatory	Points	Final e	exam Mandato		Points				
Comple	x exercises			Yes	10.00	Oral part of the exam		Yes	30.00				
Comple	x exercises			Yes	10.00								
Comple	x exercises			Yes	10.00								
Project	aek			Yes	15.00								
Project	Project task Van 15.00												
				163	Liter	ature							
Ord.	A	uthor	Title				Publish	er	Year				
1,	Mogin Pavle,	Luković Iv	an Prir	ncipi baza podat	aka		Fakultet tehničkih r	nauka, Novi	1996				
2,	Date C. J.		An	Introduction to [Database	Systems (8th Edition)	Addison Wesley		2004				
3,	Groff, James Paul N Opr	R., Weinbo	erg, SQ	L: The Complete	e Referen	ce, 3rd Edition	McGraw-Hill, Inc.		2009				


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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course:	Course:			Parallel Programming								
Course	id:	SE0032			Р	arallel Program	nming					
Number	of ECTS:	4										
Teacher	-		Popović \	V. Miroslav								
Course	status:		Mandator	ry								
Number	of active teac	hing classe	es (weekly)								
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:			
	2	()	2		0		0				
Precond	lition courses			None								
1. Educational goal:												
Teaching students parallel programming of parallel computer architectures.												
2. Educational outcomes (acquired knowledge):												
Ability to	write parallel	programs	for paralle	I computer archite	ectures by	using parallel programm	ing patterns, models,	and tools.				
3. Cours	se content/stru	icture:										
Introduc Algorith Parallel	tion. Analysis m structure, s programming	of algorith Supporting tools.	nm efficien structures	ncy. Design of pa s, Communicatic	nallel algo	rithms. Parallel program s). Parallel programmir	nming design pattern ng models (Intel Cilk	s (Finding pa , Intel TBB, (arallelism, OpenCL).			
4. Teach	ning methods:											
Lecture: success	s, tutorials, co in laboratory	omputer pr	actice clas	sses, consultatio m theory.	ons. Final e	exam is the test from th	eory. The final grade	e is created	based on			
				Knowledge e	valuation	maximum 100 points)						
	Pre-examination obligations Mandatory Points Final exam Mandatory Points											
Laborate	ory exercise d	efence		Yes	70.00	Oral part of the exam		Yes	30.00			
					Litera	ture						
Ord.	А	uthor			Title		Publishe	er	Year			

Skripta

Paralelno programiranje

M. Popović

1,

2012



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:				System Drearonning 1					
Course	id:	SERT01			Sy	ystem Programi	ming 1		
Number	of ECTS:	6							
Teache	r:		Popović	V. Miroslav					
Course	status:		Mandato	ory					
Number	of active tead	hing classe	es (weekly	y)					
L	ectures:	Practical	classes:	Other teaching	ng types:	Study resea	arch work:	Other cl	asses:
	3	0)	2		0		0	
Precond	lition courses			None					
1. Educational goal:									
Teaching students design and implementation of real-time system software components with focus on software tools for real time systems.									
2. Educational outcomes (acquired knowledge):									
Ability to design and implement real-time system software components, including software tools for real-time systems (assembler, macro assembler, compiler, etc.).									
3. Cours	se content/stru	ucture:							
Introduc Design Design Design	ction. Design of compiler. P of linker. Desig of debugger.	of Assemble rogram load gn of comp	er. Desigr der. Integr actor. Des	n of Macro asseml rated developmen sign of simulator.	bler. Form t environn	al systems as a base for nent. Design of highly opt	compiler design. imizing compilers.		
4. Teac	hing methods:								
Lecture	s, tutorials, co	mputer prac	ctice class	ses, consultations	. During th	ne semester students con	nplete laboratory prac	ctice tasks.	
				Knowledge e	valuation	(maximum 100 points)			
	Pre-examination obligations Mandatory Points Final exam Mandatory Points								
Laboratory exercise defence Yes 70.00 Theoretical part of the exam Yes 30.0						30.00			
					Litera	ature			
Ord.	A	Author			Title		Publishe	er	Year
1,	V. Kovačević	i M. Popov	/ić Si	istemska program	ska podrš	ka u realnom vremenu	FTN Izdavaštvo, No	ovi Sad	2002



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:			Operating Systems								
Course id:					Operating Systems						
Number of ECTS:	4										
Teachers:		Nenadić M. (Goran, Rakić	S. Predra]						
Course status:		Mandatory									
Number of active tead	ching classe	es (weekly)									
Lectures:	Practical	classes:	Other teachi	ng types:	Study research work:	Other cla	isses:				
2	()	2		0	0					
Precondition courses	•		None								
1. Educational goal:											
Introduce students to the concept of an operating system, its basic parts and structure, principles of operation, as well as ways for its implementation.											
2. Educational outcomes (acquired knowledge):											
Upon course completion students are familiar with the main parts of the operating system, its working principle and structure. They have appropriate understanding and knowledge of the different types of operating systems and their properties, understanding the meaning of the basic parameters of the operating system, and are able of practical application of the knowledge acquired											
3. Course content/str	ucture:										
Introduction (basic terms, a brief history and evolution, the structure of the operating system); Processes (a process model, interprocess communication, classical problems, scheduling, primers); Input / Output (Principles of I/O hardware and software, block devices, disk drives, terminals, network) memory management (principles of memory management, virtual memory, paging, segmentation), file systems (files and directories, their implementation, security, protection mechanisms, examples), types of operating systems, with examples, examining the design operating systems with specific details implementation, implementation of some parts of the operating system. the introduction to the administration											
4. Teaching methods	:										
Lectures, Computer exercises; Consultations. The exam is oral. Final mark is based on the success of the laboratory exercises and an oral exam.											
			Knowledge e	evaluation	(maximum 100 points)						
Pre-examination	ation obliga	tions	Mandatory	Points	Final exam	Mandatory	Points				
Project defence			Yes	50.00	Oral part of the exam	Yes	50.00				

Literature											
Ord.	Author		Publisher	Year							
1,	A. S. Tanenbaum, A. S. Woodhull	Operating Systems edition	: Design a	and Implementation,3rd	Prentice Hall	2008					



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:									
Course	id:	SES40		S	oftwar	re patterns and	components		
Numbe	r of ECTS:	7							
Teache	rs:		Dejanovid	ć R. Igor, Nenadi	ć M. Gora	n, Perišić R. Branko			
Course	status:		Mandator	ry					
Numbe	r of active teac	hing classe	es (weekly)					
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:
	3	C)	2		0		1	
Precon	dition courses			None					
1. Educ	ational goal:								
Learning basic theoretical knowledge, techniques, tools and recommended practices in the field of software patterns (Software Patterns) and software development based on components (Component-Based Development - CBD) . Students learn to detect patterns in the context of the development of complex software products as well as defining the system architecture based on software components.									
2. Educ	ational outcom	nes (acquire	ed knowled	dge):					
Upon c develop compor interfac	Upon completion of the course students are able to recognize patterns and to understand their advantages and disadvantages in the development of complex software applications. They are also capable, for the task at hand, to select and apply the most appropriate component-based development platform, define system architecture through the decomposition into software components, define their interfaces and do the system implementation.								
3. Course content/structure:									
Theore pattern Pattern existing compor Practica modern	Theoretical lectures: Basic definitions and history of the development of software patterns. Categories of software patterns, design patterns, architectural patterns. Overview of popular patterns. Advantages and disadvantages. Catalogs of software patterns. Anti-Patterns; basic features, overview of typical anti-patterns. The component-based development, basic definitions; history. Review of existing component models. Advantages and disadvantages. Modeling applications architecture based on components. Software components markets. Practical lectures: training in the use of modern tools for Component-Based Development. Implementation of the project task using modern tools for component with emphasis on the proper patterns.								
4. Teac	hing methods:								
Lecture end of defense	s, Computer e he semester, e of project ass	exercises; (public pres signment is	Consultations sentations oral. The	on. Design and i of the most suc final exam is ora	mplement cessful te al. Final g	ation of project assignment ams are organized with t rade is based on the sco	ent by working within the discussion of the re from the final exa	n project tean e obtained res m and project	ns. At the sults. The t defense.
				Knowledge e	evaluation	(maximum 100 points)			1
	Pre-examina	ation obligat	tions	Mandatory	Points	Final e	xam	Mandatory	Points
Project	defence			Yes	50.00	Theoretical part of the ex	am	Yes	50.00
					Liter	ature			
Ord.	A F Gamma R	uthor Helm	De	sian Patterns Fl	l Itle	Reusable Object-	Publish	er	Year
1,	R.johnson, J.	Vlaisides	Or	iented Software			Addison-Wesley		2005
2,	Szyperski, C		Co Pro	omponent Softwa ogramming	re: Beyon	d Object-Oriented	Addison-Wesley Lo Publishing Co., Inc	ongman :	2002
3,	Grand, M.		Pa Pa	atterns in Java: A atterns Illustrated	Catalog c with UML	of Reusable Design	John Wiley & Sons	s, Inc.	2002
4,	McAffer, J.; L Aniszczyk, C	emieux, J.	-M. & Ec	lipse Rich Client	Platform		Addison-Wesley P	rofessional	2010
5,	Scarpino, M. S. & Mihalko	; Holder, S. vic, L.	; Ng, SV Ac	VT/JFace in Action series)	on: GUI D	esign with Eclipse 3.0 (In	Manning Publicatio	ons Co.	2004
6,	Rubel, D.; Cl Wren, J.	ayberg, E.	& Th	e Eclipse Graphi	cal Editing	g Framework (GEF)	Addison Wesley Pr	rofessional	2011



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:			Web programming									
Course	id:	SE239A		Web programming								
Number	of ECTS:	7										
Teache	rs:	Ma	arković N	lilan, Nenadio	ć M. Gorai	n, Obradović J. Đorđe, Oł	kanović Đ. Dušan, Vic	laković P. Mi	lan			
Course	status:	Ma	andatory									
Number	of active teac	hing classes (weekly)									
L	ectures:	Practical cla	sses:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:			
	3	0		2		0	1					
Precond	dition courses			None								
1. Educ	1. Educational goal:											
Studen technol	ts learn to sol ogy as well A	lve problems s organizatio	in the fiel n and arc	d of Web prohitecture of	ogrammir web appli	ng, which covers knowle cations.	edge of HTTP protoc	cols, Server	and JSP			
2. Educ	2. Educational outcomes (acquired knowledge):											
The acquired knowledge forms the basis for the future engineering courses.												
3. Course content/structure:												
Fundamentals of HTML. Fundamentals of JAVA programming language. Input/output subsystem. Concurrent programming. Network programming. Client – server architecture. HTTP protocol fundamentals. Fundamentals of servlet technology. Session management. POST method and file upload. JSP basics. JSP expressions. JSP scriptlets. JSP declarations. JSP directives. JavaBeans. Component visibility.												
4. Teac	hing methods:											
Lecture the com	s. Computer p puter laborato	ractice. Consu	Iltations. T	heoretical pa	rt of the co	ourse if examined orally.	Practical part of the e	examination is	s taken in			
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	tion obligation	S	Mandatory	Points	Final ex	kam	Mandatory	Points			
Project				Yes	30.00	Oral part of the exam		Yes	50.00			
Term pa	aper			Yes	20.00							
					Liter	ature						
Ord.	A	luthor			Title	9	Publishe	er	Year			
1,	B. Milosavljev	vić, M. Vidako	vić Java i	Internet prog	ramiranje		tehnologije, Novi Sa	ad	2002			
2,	B. Eckel		Misliti na Javi Mikro knjiga, Be				Mikro knjiga, Beogr	ad	2002			
3,	C. Horstman	n, G. Cornell	Core .	lava 2V			Sun Microsystems l Santa Clara	-ress,	2005			
4,	Danilo Obrad	lović	Osnov	vi računarstva			Stylos		2003			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:	Numerical Algerithms and Numerical Software								
Course id: E231	Numer	ical Alg	orithms and NU	umerical Sofi	ware				
Number of ECTS: 4									
Teacher: Kon	ović D. Zora								
Course status: Mar	datory								
Number of active teaching classes (w	eekly)		1						
Lectures: Practical class	ses: Other teachi	ng types:	Study resea	arch work:	Other cla	isses:			
2 0	1		0		1				
Precondition courses									
1. Educational goal:									
Students gain basic knowledge about selected standard numerical software	t numerical analysis, e tools.	methodolog	gy of applying numerica	I models in enginee	ring discipline	es, use of			
2. Educational outcomes (acquired kn	owledge):								
Understanding basic numerical model	s and ability to apply t	hem for solv	ving simple engineering	tasks using numeric	al software to	ols.			
3. Course content/structure:									
Introduction. Mathematical models and numerical models; methodology of solving engineering problems by applying numerical models; fields of application of numerical models in engineering. Basic numerical methods: numerical solutions of a system of linear algebra equations (direct and iterative procedures); numerical solutions of non-linear equations and systems; function approximation (interpolation and best approximation); differentiation and integration (maximum precision formula, maximum possible precision formula); common differential equations – initial condition (single-step and multi-step formulas, predictor-corrector procedures), boundary condition (shooting method, collocation formulas); function transformation (Fourier transform, wavelet transform); Numerical software tools: demands and functions, architecture, ways of use, available tools. Selected numerical software tools: architecture and ways of use, accompanying programming languages and programming.									
4. Teaching methods:									
Teaching methods include: Lectures, course is presented using the necess is covered at computer practice class well as through homework assignment solving or understanding of the solution	computer practice, ho ary didactic tools while es through assignmen nts (obligatory or opt ion.	mework ass e student ac nts which st ional). A st	ignments, and consulta tive participation is enco udents do independentl udent is expected to de	tions. During the lect buraged. The practic y or with the help of emonstrate the abili	tures the cont al aspect of the teaching assist ty of independent	ent of the ne course stants as dent task			
	Knowledge e	evaluation (r	maximum 100 points)						
Pre-examination obligations	Mandatory	Points	Final ex	am	Mandatory	Points			
Computer exercise attendance	Yes	5.00 v	Vritten part of the exam	- tasks and theory	Yes	30.00			
Homework	Yes	5.00							
Homework	Yes	5.00							
Homework	Yes	5.00							
Laboratory exercise defence	Yes	40.00							
Lecture attendance	Yes	5.00							
		Literat	ure						
Ord. Author		Title		Publish	er	Year			
1, Michael Heath	SCIENTIFIC COM	PUTING An	Introductory Survey	McGraw-Hill		1997			
2, Zora Konjović	Numerički algoritmi	i numerički	softver	autorski rukopis		2005			
3, Đorđe Obradović, Zora	Numerički algoritmi i numerički softver - računarski praktikum				autorski				
Anos Gilat Uvod u MATLAB 7 Wiley 2005									



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:				SCADA Software									
Course	id:	SEAU02				SCADA Softw	are						
Number	of ECTS:	5											
Teache	rs:		Čapko Lj. D	arko, Erdeljan	M. Aleksa	andar, Vukmirović M. Srđa	an						
Course	status:		Mandatory										
Number	of active teac	hing classe	es (weekly)										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:				
	3	()	2		0		1					
Precond	lition courses		-	None		•							
1. Educ	ational goal:												
The goa	al of this course	e is to acqu	uire the nece	ssary knowled	ge about t	he SCADA software.							
2. Educ	ational outcom	nes (acquir	ed knowledg	e):									
Outcom enginee	Outcomes are the knowledge, skills and abilities necessary for understanding the complexity of SCADA software and solve practical engineering problems.												
3. Course content/structure:													
Introduction to Supervisory Control and Data Acquisition (SCADA) systems. Examples of SCADA applications; Architecture of SCADA systems; Protocols and software components for data collection from industrial systems; Real-time data bases; Software components for alarms and events collection and processing; Historical data in SCADA systems; User interface solutions; Software subsystem for batch control, reporting, simulations and optimizations; Components for integration with external systems; Mobile SCADA applications; Reliability and availability of the system: Security of SCADA systems.													
4. Teac	hing methods:												
Teachir practice	g is conducted	d through l	ectures and	computer exer	cises. Du	ring the exercises the stu	dent is required to ap	ply their kno	wledge in				
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points				
Project				Yes	30.00	Oral part of the exam		Yes	30.00				
Test				Yes	10.00								
Test				Yes	10.00								
Test	Test Yes 10.00												
Test				Yes	10.00								
					Liter	ature							
Ord.	A	uthor			Title	9	Publishe	er	Year				
1,	Davi Baliey	nonhaum	Prac	tical SCADA fo	or Industry	1	Newnes		2003				
2,	Maarten Van	nenbaum, Distributed Systems, Principles and Paradigms Pearson Education, inc. 2007											



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course id: SERT02 Number of ECTS: 5 Teacher: Teslić D. Nikola Course status: Mandatory Number of active teaching classes (weekly) Mandatory Lectures: Practical classes: Other teaching types: Study research work: Other class 3 0 2 0 1 Precondition courses None 1 1 1. Educational goal: Basics of digital system design 2 2 1 2. Educational outcomes (acquired knowledge): Eactory Eactory Eactory Eactory	ses:									
Number of ECTS:5Teacher:Teslić Ð. NikolaCourse status:MandatorNumber of active teaching classes:MandatorNumber of active teaching classes:Other teaching types:Lectures:Practical classes:Other teaching types:3020None1. Educational goal:Basics of digital system design2. Educational outcomes (acquired knowledge):	isis for									
Teacher: Teslić Đ. Nikola Course status: Mandatur Number of active teaching classes: Other teaching types: Study research work: Other class Lectures: Practical classes: Other teaching types: Study research work: Other class 3 0 2 0 1 Precondition courses None Vone Vone 1. Educational goal: Basics of digital system Knowledein Vone 2. Educational outcowerst (acquire knowledge): Knowledge Knowledge Knowledge	isis for									
Course status: Mandatory Number of active teaching classes: (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other class 3 0 2 0 1 Precondition courses None 1. Educational goal: Basics of digital system design	isis for									
Number of active teaching types: Study research work: Other classes Lectures: Practical classes: Other teaching types: Study research work: Other classes 3 0 2 0 1 Precondition courses None Image: Classes Study research work: S	isis for									
Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 0 2 0 1 Precondition courses None Image: Classes Image: Classes	ses:									
3 0 2 0 1 None 1. Educational goal: Basics of digital system design 2. Educational outcomes (acquired knowledge):	isis for									
Precondition courses None 1. Educational goal: Basics of digital system design 2. Educational outcomes (acquired knowledge):	isis for									
Educational goal: Basics of digital system design Educational outcomes (acquired knowledge):	isis for									
Basics of digital system design 2. Educational outcomes (acquired knowledge):	isis for									
2. Educational outcomes (acquired knowledge):	isis for									
2. Educational outcomes (acquired knowledge):										
Knowledge about the basic techniques for designing and testing digital systems. The acquired knowledge provides the basis for understanding engineering courses which will follow.										
3. Course content/structure:										
Switching functions (analytical methods of representation, Functionally complete system and minimization). Finite automata (methods, time behaviour of synchronous sequential systems and minimum number of states). sequential system design. Combinational networks (standard modules and programmable combinational networks). Standard sequential networks (memory elements and registers). The notion of complex digital systems (AHPL, RTL and basic VHDL). Programmable combinational and sequent ional networks (PAL, PLD, CPLD, FPGA). Design of arithmetic logic unit. Logic design of processor control unit. Micro program control unit (description and realization with VHDL).										
4. Teaching methods:										
Lectures, Tutorials. Computer practice. Consultations. Students attend lectures, auditory practice and laboratory practice classes laboratory practice is graded. There are three colloquia taken at laboratory practice classes. A colloquium consists of a test which students' theoretical knowledge and practical tasks at the computer.	3. Each checks									
Knowledge evaluation (maximum 100 points)										
Pre-examination obligations Mandatory Points Final exam Mandatory	Points									
Homework Yes 5.00 Coloquium exam No	20.00									
Homework Yes 5.00 Coloquium exam No	20.00									
Homework Yes 5.00 Theoretical part of the exam Yes	40.00									
Homework Yes 5.00 Practical part of the exam - tasks Yes	40.00									
Literature										
Ord. Author Title Publisher										
1, V. Kovačević Logičko projektovanje računarskih sistema Univerzitet Novi Sad 2	Year									
2, M. Katona, N. Teslić, Zbirka rešenih zadataka iz projektovanja digitalnih Univerzitet Novi Sad 2 V.Kovačević	Year 009									



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course	Course:										
Course	id:	SE0024		S	oftwai	re Construction	and Testing				
Number	r of ECTS:	6									
Teache	rs:		Nenadić I	M. Goran, Markov	vić Milar	n, Okanović Đ. Dušan, S	adić S. Goran				
Course	status:		Mandator	ry							
Number	r of active tead	ching classe	es (weekly	<u>'</u>)		1					
L	ectures:	Practical	classes:	Other teachin	ng types:	Study rese	arch work:	Other cla	isses:		
	3	()	2		()	0			
Precond	dition courses			None							
1. Educ	ational goal:										
Student	s learn how to	apply reco	mmended	l practices, metho	ds, techn	iques and tools in the are	ea of software design	and testing.			
2. Educ	ational outcon	nes (acquir	ed knowled	dge):							
Knowle design be able	dge of the prir of software. The to perform the	nciples, tec hey are abl e analysis a	hniques ar e to perfor and selecti	nd tools for softwa rm the automation ion of tools for tes	are constr n of the te sting, to c	uction and testing. Stude esting process, to test the reate test cases and to i	ents are competent to e entire software or se mplement effective so	perform plar elected units. oftware testing	ning and They will g.		
3. Cour	se content/stru	ucture:									
Managi Constru languag errors (I goals. 1 Team to testing interface Practica tools. C the "wh	Theoretical Studies: Software construction. Minimizing construction complexity. Anticipation of changes. Constructing for verification. Managing construction. Construction models. Construction planning process. Construction measurement. Practical considerations. Construction design. Construction languages used in the software construction process. Choosing implementation platforms and languages. Reuse of software units. Unit integration. Construction quality. The role of the software testing. Software analysis. Software errors (bugs). Methods and levels of testing. System testing. Integration testing. Unit testing. Top-to-bottom and bottom-up testing. Testing goals. Testing management. Testing planning and implementation. Improving the testing process. Performance testing. Security testing. Team testing. Testing of functional and non-functional requirements. Testing automation. Defining user requirements, managing and testing in relation to them. Doubting the test (the tool, the test data, the environment, the specification requirements). Testing user interfaces, web applications and databases. Practical lessons: Practical aspects of the process of software construction. Planning the construction process. Testing tools. Types of tools. Comparison of tools. Debugger and profiler. Team testing. Test plan creation. Test case creation. Testing the "black box". Testing the "black box". Testing the "black box". Testing the process.										
4. Teac	hing methods:										
Lecture present success	s, computer e ations of proje s of the defend	exercises, c ect tasks ar ce of projec	onsultation e organize t task and	ns. Students are ed, where students the final oral exa	required s discuss mination.	to work within project te obtained results. The fina	ams. In latter weeks al exam is oral. Exam	of the semes score is base	ter public ed on the		
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Project	defence			Yes	50.00	Oral part of the exam		Yes	50.00		
					Liter	ature	1				
Ord.	A	Author	Title Publisher				er	Year			
1,	Bourque, P., Abran, A., M	Dupuis; R. oore, J. W.	., Guide to the Software Engineering Body of Knowledge 2005					2005			
2,	Patton, R.		So	oftware Testing					2005		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	SEI41			Intern	et Software Arc	chitectures				
Number	of ECTS:	4									
Teache	r:		Milosavlje	ević P. Branko							
Course	status:		Mandator	У							
Number	of active teac	hing classe	s (weekly))							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	2	0		2		C		1			
Precond	lition courses										
1. Educational goal:											
Students gain knowledge about the design and construction of multilevel client/server systems based on distributed object technology.											
2. Educational outcomes (acquired knowledge):											
Knowledge about technologies and standards for construction of multilevel client/server systems. Students are competent to design multilevel, distributed software systems based on distributed object technology.											
3. Cours	3. Course content/structure:										
Archited object i environ environ	cture of multile dentification. ment. Transa ment.	vel client/se Technologi actional wo	erver syste ies of dist orkflow. D	ems. Access to d tributed objects. istributed trans	atabases Lifecycle actions. (from server environment of distributed objects. (Dbject-relational mappi	; connection control. Control of shared re ng. Design patterns	Directory ser sources in d in distribute	vices and istributed ed object		
4. Teac	hing methods:										
Lecture practice	s; Computer p and oral exa	practice. Co mination.	onsultatior	ns. The examina	tion is ora	II. The final grade is forr	ned on the bases of	success at I	aboratory		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obligat	ions	Mandatory	Points	Final e	kam	Mandatory	Points		
Project	defence			Yes	50.00	Oral part of the exam		Yes	50.00		
					Litera	ature					
Ord.	Α	Nuthor	Title Publisher						Year		
1,	B. Milosavlje	vić, M. Vida	ković Jav	va i Internet prog	ramiranje		GInT, Novi Sad		2002		
2,	G. Brose	x. i [.] . onnya	Maine Sil, Ma	astering Enterpri	se JavaBe	ans, 3rd edition	Wiley and Sons		2005		
3,	Floyd Marine	escu	E	JB Design Patter	ns		Wiley and Sons		2003		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	E243			Hum	ian Computer Ir	iteraction				
Number	of ECTS:	4									
Teachei	rs:		Ivetić V. Dra	agan, Mihajlovi	ć R. Drag	an, Hajduković P. Mirosla	V				
Course	status:		Mandatory								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:		
	2	()	1		0		1			
Precond	lition courses		-								
1. Educa	ational goal:										
Student	s learn to desi	gn and imp	ement basio	c forms of hum	an compu	ter interaction.					
2. Educ	ational outcom	nes (acquire	ed knowledg	e):							
The acq	The acquired knowledge and skills are the basis for developing software of high utility capacity in the future courses and professional life.										
3. Course content/structure:											
HCI development and problems. User-centered and participated design. Essential knowledge in cognitive psychology, heuristics and MVC/MVP/MVVM architectures. Requirements gathering, interpretation and analysis. Understanding users, tasks and context of use. HCI notations. HCI prototypes and their evolution. UI Development Tools. HCI design spaces: GUI, web, mobile, embedded, ubiquitous. Representation and visualization. Interaction devices. Usability and evaluation.											
4. Teach Lectures the court Practice written.	4. Teaching methods: Lectures, computer practice, consultations. The course material is divided into two parts and is tested in two tests during the duration of the course. During the practice classes interfaces of different complexity and minimal functionality are implemented. The quality of the Practice work is evaluated. Successfully completed practice tasks are a prerequisite for taking final examination. The final examination is										
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Comple	x exercises	_		Yes	50.00	Theoretical part of the ex	am	Yes	30.00		
Test				Yes	10.00						
Test				Yes	10.00						
					Liter	ature		r			
Ord.	A	uthor			Title	•	Publishe	er	Year		
1,	D. Ivetić,		Inter	akcija čovek ra	icunar	- Strategies for Effective	-		2012		
2,	Ben Shneide	rman	Hum	an-Computer I	nteraction	, 3rd Ed.			1998		
3,	Alan Dix, Jar Gregory Abo	iet Finlay, wd	Hum	an-Computer I	, 2nd Ed			1998			
4,	Jenny Preeco Rogers, Hele Benyon	e, Yvonne en Sharp,	Hum	an-Computer I			1995				
5,	M. van Harm	elen (Ed.)	Obje	ect Modeling an	d User Int	terface Design	Addison-Wesley		1997		
6,	Marry B. Ros Carroll	son, John	M. Usat of He	bility Engineerir	ng – Scen	ario-Based Development			2002		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course										
Course	id:	SE0034				Compilers				
Number	r of ECTS:	4								
Teache	r:	S	Suvajdžin Ra	akić B. Zorica						
Course	status:	N	Mandatory							
Number	r of active teac	hing classes	(weekly)							
L	ectures:	Practical cl	lasses:	Other teachi	ng types:	Study rese	arch work:	Other cl	asses:	
	2	0		2		C		0		
Precon	dition courses	-		None						
1. Educ	ational goal:									
Introdu product	ce students to ion and mean	the principle s of impleme	es of compi entation. Ma	ler, translatin astering the c	g concep compiler n	ts (from one programmir naking at the beginner le	ng language to anot evel.	her), the tool	s for their	
2. Educ	ational outcom	nes (acquired	knowledge):						
Upon successful completion of the course students are familiar with the principles of compiler; thez have knowledge of compiling phases, use techniques to translate from one language to another; they are capable of using tools for compiler-generated and real scanners, parsers and simple compilers.										
3. Cour	se content/stru	icture:								
The tas up com analysis impleme analysis Genera	k of the compi ipilers, Forma s, theory parsis entation of the s of the seman ting code; optil	ler: compile l languages: ng, parser ge symbol table tics of progra mization (am	phase, type : grammar, enerator , er e, the range amming code tong) the code	s of program BNF, and au ror handling, of visibility; T e, types and r de: the basic	ming langu utomats, l memory u ypes: eng representa types of a	uages ??and compilers: Lexical analysis: scanne management and table o jine types and types of ch ations međukoda: syntax nalysis and optimization;	compilers LL and LR er generator, regula f symbols: the orgar necks; Semantic ana tree, postfix notation interpreter and interp	, top down a r expression ization of me lysis: a descr , a three-add pretation med	nd bottom is, syntax mory, the iption and ress code; đukoda.	
4. Teac	hing methods:									
Lecture oral exa	s, Computer e ams.	exercises; Co	onsultations	. The exam is	s oral. Ass	sessment mark is based	on the success of co	omputer exer	cises and	
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ation obligatio	ons	Mandatory	Points	Final e	xam	Mandatory	Points	
Project	Project defence Yes 50.00 Oral part of the exam Yes				Yes	50.00				
		Literature								
Ord.	A	uthor	Title Publisher Ye				Year			
1,	Alfred V. Aho Lam, Ravi Se	o, Monica S. ethi, Jeffrey	Comp	ilers: Principle	es, Techni book)	iques, and Tools (2nd	Addison-Wesley, R	leading,	2006	

Compilers: Principles, Techniques, and Tools (2nd Edition), (Dragon's book)

Ullman

Massachusetts



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:										
Course id:	SE0017		So	ftware	Development Metrodologies					
Number of ECTS:	6									
Teachers:		Milosavlje	vić R. Gordana,	Marković	Milan, Marković D. Vidan, Perišić R. Branko,	Sladić S. Go	oran			
Course status:		Mandator	y							
Number of active teac	hing classe	es (weekly)								
Lectures:	Practical	classes:	Other teachi	ng types:	Study research work:	Other cla	sses:			
2	C)	2		0	1				
Precondition courses	-		None							
1. Educational goal:			-							
Introducing students to the software products lifecycle and to methodologies, standards and tools that support software product throught the whole of its lifecycle or in any of its phases										
2. Educational outcom	2. Educational outcomes (acquired knowledge):									
Upon successful con standards and tools to particular software pu	npletion of that suppo roject, as v	the cours rt them. Th vell as to e	e the student is ne student is als explain this choi	familiar so able to ice.	with various methodologies for software devised and actively implement optimal method	elopment, as odology and	s well as tools for			
3. Course content/stru	ucture:									
Software product life development method spiral model, models Dynamic Systems De modern tools for plan	cycle, lifec lologies, so based on evelopment uning, desig	ycle stage oftware dev prototypes Method - gn, constru	s, the importan elopment mode ; agile methodo DSDM, Crystal, ction and docur	ce of app els, model ologies (S Adaptive nentation	ication of methodologies for software develo s based on the waterfall, iterative and increm crum, Extreme programming, Feature Driven software Development - ASD), automated so tools supporting teamwork and tracking proje	pment, the h lental models Developmen oftware deve ect progress	nistory of s; Bem`s nt - FDD, elopment,			
4. Teaching methods:										
Lectures, computer ex methodology and tool	Lectures, computer exercises and consultations. The practical part of the project is a team effort, and the project illustrates the use of the methodology and tools. The exam is oral. Assessment exam is based on the success of the project and an oral exam.									
			Knowledge e	evaluation	(maximum 100 points)					
Pre-examina	ation obliga	tions	Mandatory	Points	Final exam	Mandatory	Points			
Project defence			Yes	50.00	Oral part of the exam	Yes	50.00			
	Literature									

		Elicitatio		
Ord.	Author	Title	Publisher	Year
1,	B. Boehm, R. Turner	Balancing Agility And Discipline	Pearson Education, Inc.	2009
2,	Kassem A. Saleh	Software Engineering	J. Ross Publishing	2009



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	E236A		Com	putatio	onal Intelligence	e Fundamenta	als			
Number	of ECTS:	8									
Teache	rs:		Konjović D	. Zora, Obrado	vić J. Đorđ	e					
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
	4	C)	3		0		1			
Precond	lition courses			None							
1. Educ	ational goal:										
Student	s learn about t	he basic pi	rinciples and	d techniques of	"classical"	artificial intelligence and	soft computing.				
2. Educ	ational outcom	es (acquire	ed knowledg	je):							
Identific	ation, structure	e and techr	niques of so	lving problems	which requ	uire intelligence.					
3. Cours	se content/stru	cture:									
Concep program approac based s	Concepts, aims, approaches, environment and areas of AI application. Logical programming: propositional and first order logic; Prolog programming language. Search: blind and heuristic search, genetic algorithms. Problem solving in uncertainty conditions: probabilistic approach, fuzzy approach. Fundamentals of machine learning, types of algorithms, approaches, artificial neural networks. Knowledge based systems. Intelligent software agents: definition, types, architecture, technologies. Applications of AI.										
4. Teac	ning methods:										
Lectures Practica nonoblig exam – at least Course examin	s, Computer pr al part of the gatory laborato colloquium (2- 30% of the poi grade is forn ations and fin	ractice. Con course is ory tasks. ⁻ 4). Partial int at the p ned on the nal examin	nsultations. examined i The task are exam is a p revious one e basis of l ation.	n the compute e marked. Part art of the exam . Partial examir ecture attenda	er laborato of the cou ination. A nations are ince, mark	bry where students solv arse which forms a logica student can take the nex taken in written form. Th ks on the obligatory and	e obligatory tasks. al whole can be take t partial examination ne final examination is d nonobligatory tasl	Students car n in the form if he/she has s oral. ks, success	n also do of partial achieved at partial		
				Knowledge	evaluation	(maximum 100 points)					
	Pre-examina	ition obligat	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Comput	er exercise att	endance		Yes	5.00	Theoretical part of the ex	am	Yes	30.00		
Homew	ork			Yes	2.00						
Lecture	attendance			Yes	3.00						
Project	ack			Yes	25.00						
Term pa	aper			Yes	20.00						
Ord.	Author Title Publisher Year										
1,	Stuart Russe	I, Peter No	orwig Artificial Intelligence: A Modern Approach Prentice Hall, 2003, ISBN: 0- 13-790395-2					, ISBN: 0-	2003		
2,	David Poole, Mackworth, F	Alan Randy Goe	Computational Intelligence A Logical Approach Oxford University Press, 1998, ISBN 0-19-510270-3 19						1998		
3,	Đorđe Obrad Konjović	ović, Zora	Rač	unarska intelige	encija - Pri	ručnik za vežbe	FTN, 2004, (elektro izdanje)	onsko	2004		
4,	M. Wooldrid	ge	An Introduction to Multiagent Systems John Wiley and Sons 2002								



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course i	d:	SEAU03			Rea	Il-time control al	gorithms				
Number	of ECTS:	8									
Teacher	s:		Bojanić M	. Dubravka, Čor	gradac D	. Velimir, Jeličić D. Zoran	, Kulić J. Filip, Rapaić	R. Milan			
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:		
	4	C)	3		C)	1			
Precond	ition courses			None		•					
1. Educa	ational goal:			-							
Masterir	ig theoretical a	and practic	al principle	s of real-time co	ntrol syste	ems					
2. Educa	ational outcom	nes (acquire	ed knowled	lge):							
The stud will be a control a design.	The students will learn the basics of design and implementation of real-time control systems. Using the obtained knowledge, the students will be able to access the relative difficulty of practical control problems, to access resources needed for the implementation, to design control algorithm, to find critical points and implement the design solution. The students will also be able to test and verify the obtained design.										
3. Cours	e content/stru	icture:									
Basics of systems estimation	of real-time con . Programmir on. Real-time	ntrol. Basic ng languag simulation	s of digital es for real· (HIL, Har	control systems -time systems. F dware in the Lo	. Z/transfo Real-time op simula	orm. Hardware architectur control algorithms. Imple tion). Application of optir	re of real-time system ementation of digital n nization methods in r	s. Real-time regulators. P real-time con	operating arameter trol.		
4. Teach	ning methods:										
Lectures (2 tests	s. Computation in total), and t	nal assignn he laborato	nents. Labo ory assignn	oratory assignments.	ents. Con	sultations. The final mark	is obtained on the ba	isis of theore	tical tests		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	tion obligation	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Laborato	ory exercise d	efence		Yes	30.00	Oral part of the exam		Yes	50.00		
Test Yes 10.00											
Ord	Δ	Author				Dublishe		Veer			
Ura.	A Milan R. Ran	aić Zoran	In D. Skripta iz primene upravljačkih algoritama u realnom				۱۱ ا	rear			
1,	Jeličić, Boris	B. Jakovlje	ljević vremenu				2012				
2,	National-Inst	ruments	LabVIEW user manual National Instruments 2012						2012		
3,	Ovaska	nante , Sep	the	Real-Time Systems Design and Analysis: Tools for 2011 the Practitioner 2011							



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course	:	_								
Course	id:	SERT03				Emb	bedded system	design 1		
Number	r of ECTS:	8								
Teache	r:		Pap I. Iš	stvan						
Course	status:		Elective							
Number	r of active teac	hing classe	es (weekl	y)						
L	ectures:	Practical	classes:	0	ther teachin	ng types:	Study rese	arch work:	Other cl	asses:
	4	()		3		(1	
Precon	dition courses	•		-	None					
1. Educ	ational goal:				-					
Getting	Setting familiar with basic concepts of embedded system design and engineering.									
2. Educ	2. Educational outcomes (acquired knowledge):									
After the capable	e course the st to design suc	tudents are h a system	familiar , as well	with the as to ur	e concepts, nderstand t	standard: he constr	s and technologies used aints of embedded syste	in embedded system ms design.	engineering	. They are
3. Cour	se content/stru	icture:								
Theore tools us	tical basis of e sed in embedd	embedded led system	systems. enginee	. Archite ering.	ecture of e	mbedded	systems. Technologies	used in embedded s	systems. Me	thods and
4. Teac	hing methods:									
Lecture	s. Tutorials. Ex	kercises. C	onsultatic	ons. Lab	b work.					
				Kr	nowledge e	valuation	(maximum 100 points)			
	Pre-examination obligations Mandatory Points Final exam Mandatory Points							Points		
Laborat	ory exercise d	efence	nce Yes 70.00 Theoretical part of the exam Yes						30.00	
						Liter	ature			
Ord.	A	wthor	Title Publisher Year					Year		
1,	B. Atlagić		P	rojektov	vanje name	enskih rač	unarskih struktura	Skripta		2007



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course											
Course	id:	E23SP			Profe	ssional Practice	e – Project				
Number	of ECTS:	3									
Teache	rs:										
Course	status:		Mandatory								
Number	of active teac	hing classe	s (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	0	0		0		C		3			
Precon	dition courses		-	None		-					
1. Educ	ational goal:										
Student	Students expand their practical knowledge in the field of computing and control engineering										
2. Educ	2. Educational outcomes (acquired knowledge):										
The acc	uired knowled	ge can be ı	used in solvi	ng practical en	gineering	problems.					
3. Cour	se content/stru	cture:									
Solving	concrete engi	neering pro	blems in pra	ctice.							
4. Teac	hing methods:										
Teachir	ig is performed	l in industri	al or scientifi	c and educatio	nal institu	tions, in the form of indivi	dual work.				
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	ition obligat	ions	Mandatory	Points	Final e	xam	Mandatory	Points		
Homew	ork	K Yes 70.00 Theoretical part of the exam Yes						30.00			
			Literature								
Ord.	A	uthor	Title Publisher Y				Year				
1,	grupa autora		Odgo konk	ovarajući mater retnih problema	rijal neoph a.	odan za rešavanje			nema		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course id: E2K40A Soft Computing Number of ECTS: 7 Teachers: Nenadić M. Goran, Obradović J. Đorđe Course status: Elective Elective Number of active teaching classes (weekly) Elective Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 3 0 0 Precondition courses None I. Educational goal: Study research work: Other classes: 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practial part of the course is examined in the course which forms a logical whole can be taken in the form of partial examination as taken in written form of partial examination is oral. Course grade is formed on the basis of lecture attendance,	Course:											
Number of ECTS: 7 Teachers: Nenadić M. Goran, Obradović J. Đorđe Course status: Elective Number of active teaching classes (weekly) Electives: Practical classes: Other teaching types: Study research work: Other classes: 4 0 3 0 0 Precondition courses None 1. Educational goal: Students will learn about concepts, techniques and selected examples of application of soft computing. 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures is formed on the basis of lecture attendance, marks on the obligatory tasks. Students can also do nonobligatory tasks. Students can also do nonobligatory tasks. Students can also do nonobligatory tasks, success at partial examination. Precoabilistic relative mais a part of the examination as retaken in written form. The final examination if he/she has achieved at least 30% of the points at the previous one. Pa	Course id:					Soft Computi	ng					
Teachers: Nenadić M. Goran, Obradović J. Đorđe Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 3 0 0 Precondition courses None 1. Educational goal: Students will learn about concepts, techniques and selected examples of application of soft computing. 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teacting methods: Lectures: Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory task	Number of ECTS:	7	1									
Course status: Elective Number of active teaching classes (weekly) Elective Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 3 0 0 Precondition courses None 0 0 1. Educational goal: Students will learn about concepts, techniques and selected examples of application of soft computing. 2 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Protabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examination. A student can take the next partial examination is oral. Course grade is formed on the basis of lecture attendance. marked. Part of the course which forms a logical whole can be taken in the form of partial examination. Student can take the next partial examination is oral. Course grad	Teachers:		Nenadić M	I. Goran, Obrad	ović J. Đo	rđe						
Number of active teaching classes (weekly) Other teaching types: Study research work: Other classes: 4 0 3 0 0 Precondition courses None 1 Educational goal: Students will learn about concepts, techniques and selected examples of application of soft computing. 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory tasks. The task are marked. Part of the ecurse which forms a logical whole can be taken in the form of partial examination is real. Course grade is formed on the basis of lecture attendance, marks on the obligatory tasks, success at partial examinations are laken in written form. The final examination is real. Course grade is formed on the basis of lecture attendance, marks on the obligatory tasks, success at partial examination. Prevexamination obligations Mandatory Points Corputer exercise attenda	Course status:		Elective									
Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 3 0 0 Precondition courses None 1. Educational goal: Students will learn about concepts, techniques and selected examples of application of soft computing. 2 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial examination at the previse dawaminations are taken in witten form. The final examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory tasks, success at partial examination. 30.00 Precexamination obligations Mandatory <td>Number of active tea</td> <td>ching class</td> <td>es (weekly)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Number of active tea	ching class	es (weekly)									
4 0 3 0 0 Precondition courses None 1. Educational goal: Students will learn about concepts, techniques and selected examples of application of soft computing. 2. 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. 0 0 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory laboratory tasks are marked. Part of the course which forms a logical whole can be taken in the form of partial examination. Veractical part of the course is examined in the computer laboratory where students solve obligatory tasks, success at partial examination. A student can take the next partial examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examination. Final exam Mandatory Points Computer exercise attendance	Lectures:	Practica	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:			
Precondition courses None 1. Educational goal: Students will learn about concepts, techniques and selected examples of application of soft computing. 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory laboratory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial examination so are taken in written form. The final examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examination. Pre-examination obligations Mandatory Project Yes Project task Yes Project task Yes Project task Yes Project task Yes	4		0	3		0		0				
1. Educational goal: Students will learn about concepts, techniques and selected examples of application of soft computing. 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory laboratory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial examinations is a part of the examination. A student can take the next partial examination if he/she has achieved at least 30% of the points at the previous one. Partial examinations are taken in written form. The final examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examinations. Pre-examination obligations Mandatory Points Final exam Mandatory Points Computer exercise attendance Yes 5.00 Theoretical part of the exam Yes 30.	Precondition courses	;		None		•						
Students will learn about concepts, techniques and selected examples of application of soft computing. 2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory tasks are marked. Part of the course which forms a logical whole can be taken in the form of partial examination. A student can take the next partial examination is nort. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examination. Vere-examination obligations Mandatory Pre-examination obligations Mandatory Veres 5.00 Pre-examination obligations Mandatory Veres 5.00 Pre-examination obligations Mandatory Preite tastendance Yes	1. Educational goal:											
2. Educational outcomes (acquired knowledge): The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory laboratory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial exam – colloquium (2-4). Partial examination are taken in written form. The final examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examination and final examination. Fre-examination obligations Mandatory Points Final exam Mandatory Points Computer exercise attendance Yes 5.00 Project Yes 25.00 Pro	Students will learn al	oout concep	ıts, techniqu	les and selected	example	s of application of soft cor	nputing.					
The acquired knowledge is the basis for solving complex problems which require intelligence and cannot be solved using conventional mathematical approach. 3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial exam - colloquium (2-4). Partial exam is a part of the examination. A student can take the next partial examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examination and final examination. The examination obligations Mandatory Points Computer exercise attendance Yes 5.00 Project Yes 25.00 Project task Yes 15.00 Project task Yes 15.00 Project task Yes 25.00 Project task Yes 15.00 Project task Yes 20.00 Project Solve Yes 20	2. Educational outco	mes (acquir	ed knowled	ge):								
3. Course content/structure: Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory laboratory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial exam – colloquium (2-4). Partial exam is a part of the examination. A student can take the next partial examination if he/she has achieved at least 30% of the points at the previous one. Partial examinations are taken in written form. The final examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examinations and final examination. <u>Ves</u> 5.00 <u>Project</u> <u>Yes</u> 5.00 <u>Project</u> <u>Yes</u> 25.00 <u>Project task</u> <u>Yes</u> 15.00 <u>Theoretical part of the exam</u> <u>Yes</u> 30.00 <u>Lecture attendance</u> <u>Yes</u> 5.00 <u>Theoretical part of the exam</u> <u>Yes</u> 30.00 <u>Lecture attendance</u> <u>Yes</u> 5.00 <u>Theoretical part of the exam</u> <u>Yes</u> 30.00 <u>Lecture attendance</u> <u>Yes</u> 15.00 <u>Theoretical part of the exam</u> <u>Yes</u> 30.00 <u>Lecture attendance</u> <u>Yes</u> 5.00 <u>Theoretical part of the exam</u> <u>Yes</u> 30.00 <u>Lecture attendance</u> <u>Yes</u> 15.00 <u>Theoretical part of the exam</u> <u>Yes</u> 30.00 <u>Lecture attendance</u> <u>Yes</u> 25.00 <u>Yes</u> 20.00	The acquired knowle mathematical approx	edge is the ach.	basis for so	olving complex p	oroblems	which require intelligence	e and cannot be solv	ed using con	ventional			
Evolutionary computing: genetic algorithms, genetic programming, multiple intelligence, evolutionary strategies. Neural computing: neural networks. Machine learning: supervised learning, unsupervised learning, reinforcement learning. Fuzzy systems: fuzzy sets, fuzzy logic. Probabilistic reasoning: belief propagation, chaos theory. 4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial exam - colloquium (2-4). Partial exam is a part of the examination. A student can take the next partial examination if he/she has achieved at least 30% of the points at the previous one. Partial examinations are taken in written form. The final examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examinations and final examination. Mandatory Points Knowledge evaluation (maximum 100 points) Nere-examination obligations Mandatory Points Final exam Mandatory Points Computer exercise attendance Yes 5.00 Project Yes 25.00 Project Yes 25.00 Project task Yes 15.00 Term paper Yes 20.00 Cut Literature Ord. Author Title Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001	3. Course content/structure:											
4. Teaching methods: Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory laboratory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial exam – colloquium (2-4). Partial exam is a part of the examination. A student can take the next partial examination if he/she has achieved at least 30% of the points at the previous one. Partial examinations are taken in written form. The final examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examinations and final examination. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Final exam Yes 30.00 Lecture attendance Yes 5.00 Theoretical part of the exam Yes 30.00 Lecture attendance Yes 15.00 Theoretical part of the exam Yes 30.00 Project Yes 20.00 Iterature Ves 20.00 20.00 Yes 30.00 Internation Soft Computing – Integrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001 2001 2001 <	Evolutionary comput networks. Machine l Probabilistic reasoni	ing: genetic earning: sup ng: belief pi	algorithms, pervised lea ropagation,	, genetic prograr arning, unsuperv chaos theory.	mming, m vised learr	ultiple intelligence, evolut ning, reinforcement learni	ionary strategies. Ne ng. Fuzzy systems:	ural computir fuzzy sets, fu	ng: neural zzy logic.			
Lectures. Computer practice Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory laboratory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial exam – colloquium (2-4). Partial exam is a part of the examination. A student can take the next partial examination if he/she has achieved at least 30% of the points at the previous one. Partial examinations are taken in written form. The final examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examinations and final examination. <u>Knowledge evaluation (maximum 100 points)</u> <u>Pre-examination obligations</u> <u>Mandatory</u> Points <u>Computer exercise attendance</u> <u>Yes</u> 5.00 <u>Project</u> <u>Yes</u> 25.00 <u>Project task</u> <u>Yes</u> 15.00 <u>Project task</u> <u>Yes</u> 20.00 <u>Literature</u> <u>Ord.</u> <u>Author</u> <u>1.</u> <u>Tettamanzi</u> , Tomassini <u>Soft Computing – Intergrating Evolutionary, Neural</u> <u>Soft Computing – Intergrating Evolutionary, Neural</u> <u>Soft Computing – Intergrating Evolutionary, Neural</u> <u>Springer-Verlag, 2001, ISBN</u> : 2001	4. Teaching methods	:										
Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Computer exercise attendance Yes 5.00 Theoretical part of the exam Yes 30.00 Lecture attendance Yes 5.00 Theoretical part of the exam Yes 30.00 Project Yes 25.00 Project task Yes 15.00 Term paper Yes 20.00 Ves 20.00 Literature Ord. Author Title Publisher Year 1. Tettamanzi, Tomassini Soft Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001	Lectures. Computer Practical part of the nonobligatory labora exam – colloquium (at least 30% of the p Course grade is for examinations and f	practice Con course is tory tasks. 2-4). Partial oints at the med on the inal examin	nsultations. examined I The task ar exam is a p previous on e basis of I nation.	in the compute re marked. Part part of the exami ne. Partial exami lecture attenda	r laborato of the cou ination. A inations au nce, mar	ory where students solv urse which forms a logica student can take the nex re taken in written form. T ks on the obligatory and	e obligatory tasks. al whole can be take partial examination he final examination d nonobligatory task	Students car n in the form if he/she has is oral. ks, success	n also do of partial achieved at partial			
Pre-examination obligations Mandatory Points Final exam Mandatory Points Computer exercise attendance Yes 5.00 Theoretical part of the exam Yes 30.00 Lecture attendance Yes 5.00 Project Yes 25.00 Project task Yes 15.00 Project task Yes 20.00 Term paper Yes 20.00 Project Yes Yes Ord. Author Exercise Title Publisher Year 1. Tettamanzi, Tomassini Soft Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001 2001				Knowledge e	evaluation	(maximum 100 points)						
Computer exercise attendance Yes 5.00 Theoretical part of the exam Yes 30.00 Lecture attendance Yes 5.00 Froject Yes 25.00 Froject task Yes 15.00 Project task Yes 15.00 Froject task Yes 20.00 Froject task Yes 20.00 Literature Ord. Author Title Publisher Year 1. Tettamanzi, Tomassini Soft Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001	Pre-examir	ation obliga	itions	Mandatory	Points	Final ex	am	Mandatory	Points			
Lecture attendance Yes 5.00 Project Yes 25.00 Project task Yes 15.00 Term paper Yes 20.00 Literature Ord. Author Title Publisher Year 1. Tettamanzi, Tomassini Soft Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001	Computer exercise a	ttendance		Yes	5.00	Theoretical part of the ex	am	Yes	30.00			
Project Yes 25.00 Project task Yes 15.00 Term paper Yes 20.00 Literature Ord. Author Title Publisher Year 1. Tettamanzi, Tomassini Soft Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001	Lecture attendance Yes 5.00											
Project task Yes 15.00 Term paper Yes 20.00 Literature Ves 20.00 Ord. Author Title Publisher Year 1. Tettamanzi, Tomassini Soft Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001	Project		Yes	25.00								
Ves 20.00 Literature Ord. Author Title Publisher Year 1. Tettamanzi, Tomassini	Term paper			Yes 15.00								
Ord. Author Title Publisher Year 1. Tettamanzi, Tomassini Soft Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001				res	Litor	aturo						
1. Tettamanzi. Tomassini Soft Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001	Ord	Author	Title Publicher				or I	Year				
and Euzzy Systems 1 35/0/220/8	1, Tettamanz	, Tomassini	Soft Computing – Intergrating Evolutionary, Neural Springer-Verlag, 2001, ISBN: 2001									



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course											
Course	id: F	RI45				Software Des	ıgn				
Number	of ECTS: 7	7									
Teache	r:		Perišić R.	Branko							
Course	status:		Elective								
Number	of active teach	ning classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	4	1		2		C)	0			
Precon	dition courses					•					
1. Educ	ational goal:			-							
Student and tes for tracl	s learn about e ting of complex king software fa	efficient ar software aults. Doci	nd effective systems. S umentation	e software desig Standardization for complex so	n. They a of implem ftware pro	cquire knowledge and sk lentation, testing, verifica oducts. Software characte	tills for architecture d tion and validation o eristics presentation.	lesign, impler f software. Us	mentation sing tools		
2. Educ	ational outcom	es (acquire	ed knowled	ge):							
A the er testing, they are	nd of the cours verification and also capable of	e the stud d validatior of making	ents are at n of softwar high quality	ble to design con re and use of av y documentation	mplex soft ailable too and pres	tware systems based on ols for tracking software of entations related to chara	standardized proces configuration and soft acteristics of complex	ses of implen ware faults. In software pro	nentation, n addition oducts.		
3. Course content/structure:											
Model b software prograr method softwar Fundar	Model based software construction. Aspects of software system design: conceptual and technical design, decomposition and modularity, software architecture, styles and strategies. Aspects of software system construction: organization and structure of software, elements of program solution, construction standards and functionality implementation. User interface design. Software construction procedure: methods and techniques of construction, team work and team software development, X-treem programming, code standard and quality, software testing, software inspection, software integration, verification and validation. Fundamentals of software quality control. Fundamentals of fault tracking and software configuration.										
4. Teac	hing methods:										
On the in team during validati	basis of specifi s, students wor the lectures, s on. At the end	cation of e rk on pract tudents le l of the co	event contro tical impler earn about ourse the s	olled system, de nentation of the methods and t students give a	eveloped v knowledg technique class pre	within the course: Softwa ge about software constru- s of presenting softwar esentation and defense	re Specification and l uction. Relying on tw e solutions, their tes of their project.	Modeling, and o software in sting, verifica	d working spections ation and		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examinat	tion obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Laborat	ory exercise at	tendance		Yes	5.00	Theoretical part of the ex	kam	Yes	40.00		
Lecture	attendance			Yes	5.00						
Project				Yes	50.00	-					
Ord	Δ.	uthor			Title		Dublish		Veer		
010.	Rranko Periši		I Itie Publisner						2007		
1, 0			"Software engineering Theory and Practice", third					2007			
2,	S.L.Fileeyei,	J. IVI. Allet	edition Elektronsko 200 SWEROK meterijal u elektronsko 200						2000		
3, ۸	Matthew Robi	inson, Pav	rel Sw		tion		izdanje(www.swebo	ok.org)	2007		
4,	Vorobiev		Sw	ing, Second Edi					2003		
5,	JONN ZUKOWS	кі	Ma	jstor za javu, Jav	va J2SE 1	.4	rompjuterska biblic	Dieka Cacak	2002		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course											
Course	id:	SES201			Adva	anced Web Tec	hnologies				
Number	of ECTS:	6									
Teache	r:		Milanović	ć N. Nikola							
Course	status:		Elective								
Number	of active tead	hing classe	es (weekly	')							
L	ectures:	Practical	classes:	Other teachi	ing types:	Study rese	arch work:	Other cla	asses:		
	3	()	2		(0	0			
Precon	dition courses			None							
1. Educ	ational goal:										
This co availabl on impr	This course is intended to expand knowledge already adopted through the Web Programming course. The course covers concepts, available technologies, and development approaches for delivering Rich Internet Applications to different target platforms, concentrating on improving user experience.										
2. Educ	2. Educational outcomes (acquired knowledge):										
Upon co Studen devices	Upon completion, students are familiar with advanced concepts and modern technologies used for Rich Internet Application development. Students will also be capable of selecting appropriate technologies for development of web application targeted on different output devices (desktop and mobile) using available technologies to enhance user experience.										
3. Cour	se content/stru	ucture:									
Basic d DOM; F feedbac control web ap libraries applicat concept	evelopment c Principles of c ck during oper to the user, lo plications – c and framewo ions (XSS, CS of responsive	oncepts fo developme ration exect owering use lient and s orks for RIA SRF, SQL I e design vs.	r UI layer nt of Rich eution, finit er's cognit erver bas developr njection); . concept o	of web applicati a Internet Applica- te time for opera- tive load); Applica- ted event handlin ment - jQuery, jQ Using Web servi- of separate applica-	ons (func ations (R tion proce ation of C ng, async ueryUI, E ices in RIA cation dev	tionality, reliability, avail (A) – improving user ex essing, error prevention/ SS2 and CSS3 standard hronous communicatior xtJS; Altenative data rep A development; Customiz elopment for mobiles; Int	ability, standardizatio perience (consistence correction, easy actio is for visualization of n (REST, AJAX); App presentations - XML, a zing web applications production to Content	on) – XHTML cy, universal on recall, relii content; Inter blication of J JSON; Secur for mobile pl Management	., HTML5, usability, nquishing activity in avaScript ity in web atforms – Systems.		
4. Teac	hing methods:										
Lecture	s, Computer L	ab Exercise	es, Consu	Itations.							
				Knowledge	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	exam	Mandatory	Points		
Project	defence			Yes	50.00	Oral part of the exam		Yes	50.00		
					Liter	ature					
Ord.	A	Author	Title Publisher				Year				
1,	Matthew Day	/id	Applications (Visualizing the Web) Focal Press				2012				
2,	Yvonne Rog	ers, Helen v Preece	Interaction Design: Beyond Human Computer Wiley 2				2011				
3,	Jesse James	s Garrett		ne Elements of U	ser Experi	ence: User-Centered	New Riders		2010		
	Design for the Web and Beyond (2nd Edition)										



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course	:													
Course	id:	SES202		Mo	odel D	riven Software	Development							
Numbe	r of ECTS:	7												
Teache	rs:		Dejanović	č R. Igor, Milosav	ljević R. C	Gordana								
Course	status:		Elective											
Numbe	r of active tead	ching classe	es (weekly))										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:					
	3	()	2		0		0						
Precon	dition courses	-		None										
1. Educ	ational goal:													
Intrduci order to	ng students to master the n	o the different	ent approac chniques, s	ches in the field standards and to	of model ools that c	driven software develop an improve efficiency ar	ment (Model Driven I d quality of software	Engineering - developmer	- MDE) in ıt.					
2. Educ	ational outcon	nes (acquire	ed knowled	lge):										
Upon s approad solution improve	Upon successful completion of the course students are able to: (1) identify the advantages and disadvantages of various MDE approaches, (2) identify existing MDE resources (standards, library, languages, tools) that may serve as a basis for developing their own solutions MDE, (3) design and implement MDE solution for any specific purpose, (4) apply acquired knowledge in real situations, (5) improve knowledge in the field, based on the fundaments learned here on this subject.													
3. Cour	se content/stru	ucture:												
Introduo (Object implem	ction to MDE (Constraint La entation of sol	Model Driven nguage). Tr utions for M	en Enginee ransformati IDE choser	ering). Introductic ion. Domain-spe n domain.	on to MDA cific mode	(Model Driven Architect ling. Implementation of E	ure). UML 2 as the ba SL solutions. Execut	asis for the N able UML. D	IDA. OCL esign and					
4. Teac	hing methods	:												
Lecture particip student	es, computer ation of stude is additional e	exercises a nts. In the xplanations	and consultations. Lectures are used to present the contents of the field through stimulating active practical part of the curriculum, students attend computer exercises. Consultation are used to give the s of the content presented in the lectures and other forms of instruction.											
				Knowledge e	valuation	(maximum 100 points)			T					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points					
Project	Oject defence Yes 50.00 Oral part of the exam Yes						Yes	50.00						
Ord.	A Kloppo J	Author	Title Publisher					Year						
1,	Bast	. wanner, v	v. ML Pra	actice and Promis	se	Driven Architecture:	Addison-Wesley		2009					
2,	Kelly, S. and	l Tolvanen,	JP. Do Ge	main-Specific Mo neration	odeling: E	nabling Full Code	Wiley	P. Domain-Specific Modeling: Enabling Full Code Wiley 2008						



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Computer Graphics Computer Graphics Number of ECTS: 6 Teachers: Ivetić V. Dragan, Mihajlović R. Dragan, Hajduković P. Miroslav Course status: Elective Number of active teaching classes (weekly) O Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 0 2 0 0 Precondition courses None Itelactive 1. Educational goal: Students learn about development and manipulation of elements of computer graphics in 3D space. 2 2. Educational outcomes (acquired knowledge): The acquired knowledge and skills are used for specific visualization information software using DirectX and/or Open GL, digitalization and processing of graphic materials - Photoshop, CoreIDraw and Matlab. 3. Course content/structure: Introduction. Hardware and software architecture (IOpenGL, DirectX, X3D) of graphic computer systems. Overview of 3D graphics puppline. 3D modeling techniques. Model/view transformations. Local illumination and shading Clipping. Projection. Rasterisation. Hidden surface removal. Texture mapping and effects. Global Illumination. Graphics user interface and devices. 4. Teaching methods: Lectures. Computer practice Consultations. Course material is divided into two parts and is examined in the form of two tests during the course	Course:											
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	4,	Akenine-Möl and Hoffman	ler T., Hein N	es E. REA	AL-TIME REND	ERING, 3	rd Ed.			2008		



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UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course										
Course	id:	SES203				Machine Learn	ning			
Number	r of ECTS:	7								
Teache	r:		Kovačev	ić D. Aleksandar						
Course	status:		Elective							
Number	r of active teac	hing classe	es (weekly	()						
L	ectures:	Practical	classes:	Other teaching	ng types:	Study rese	arch work:	Other cla	asses:	
	3	C)	2		0		0		
Precon	dition courses	-		None						
1. Educ	ational goal:									
Introduc	ce students to	the basic co	oncepts, e	elements and tech	niques of	machine learning.				
2. Educ	ational outcom	nes (acquire	ed knowle	edge):						
Upon successful completion of the course the student is familiar with the concepts and techniques of machine learning. The student is capable of successfully applying learning techniques to real problems.										
3. Cours	se content/stru	icture:								
Introduc exampl limitatic classific network represe vector r Mixed r logistic samplir models	ction: basic co es of the use ons of linear r cation models, (, fault propag intation, kerne nachines. Gra nodels: K-Mea regression va ig, hybrid Mon : Bayesian Av	ncepts and of machine nodels. Lir Laplace ap lation, regu structures phical Mod ins, segmen riaciona, p ite Carlo al eraging Mo	d motivati e learning hear mod proximati ularization s, network els: Baye ntation an ropagatio gorithm. s odels, Boo	ons for the devel g techniques. Line els for classificat ion. Bayes logistic n of artificial neur ks based on radia s network, conditi nd image compres on expectations. S Sequential data: losting models ba	opment au ear regressio regressio al network al function onal depe ssion. App Sampling: Markov m sed on the	nd use of machine learn ssion models: linear bas sification functions, prol n. Neural networks: the a ks. Bayes neural netwo s. Support vector mach endence, Markov random roximate reasoning: vari Basic algorithms for sau odels, hidden Markov m e trees.	ing techniques, a re- sis functions, Bayes pabilistic generative activation function, th- rks. Core methods (I nes (SVM): maximu processes, reasonir ance reasoning, varia mpling, Markov chair odels, linear dynami	view of repres linear regres models. pro e training of t kernel metho m margins, s g in graphica ance linear re h, Monte Car c systems. (sentative ssion, the babilistic the neural ods): dual significant al models. gression, lo, Gibbs Combined	
4. Teac	hing methods:									
Lecture exercise	s, Computer e es and an oral	xercises; C exam.	Consultatio	ons. The exam is	oral. Asse	essment and final marks	are based on the suc	cess of the I	aboratory	
				Knowledge e	valuation	(maximum 100 points)				
	Pre-examina	ation obligat	ion obligations Mandatory Points Final exam Mandatory F						Points	
Project	defence		Yes 50.00 Oral part of the exam Yes				Yes	50.00		
			Literature							
Ord.	A	uthor		Title Publisher			Year			
1,	C.M. Bishop		Pa	attern Recognition	and Mac	hine Learning	Springer		2006	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:						17.1			
Course	id:	SES301				II Law			
Number	of ECTS:	5							
Teache	rs:		Ivanović V	/. Dragan, Konjo	vić D. Zora	a			
Course	status:		Elective						
Number	of active teac	hing classe	s (weekly)	1					
L	ectures:	Practical	classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	asses:
	2	0		2		0		0	
Precond	lition courses			None		•	•		
1. Educ	ational goal:								
Basic u	nderstanding o	f legal aspe	ects of usa	ige and developn	nent of so	ftware and information sy	stems.		
2. Educ	ational outcom	es (acquire	ed knowled	lge):					
After su informa	successfully completing the course the student has basic understands of legal aspects of usage and development of software and nation systems.								
3. Cours	se content/stru	cture:							
(1) over tradema electror to public and digi digital d	view of IT law arks, commerc ic time stamp) c information, tal multimedia ivide)	(elements of ial and FLC , (4) electro (7) cyber la forensics),	of law, eme DSS softwa onic payme w and dig (8) case la	ergence of IT law are licenses), (3) ent systems, (5) ital forensics (typ aw examples, (9)	y, internati electronic electronic bes of cyb) internet (onal character of IT law), c document management communications, (6) priv- er offenses, prosecution governance and the futur	(2) intellectual prope (electronic documen racy, surveillance, se of cyber offenses, d e of IT law (net neutr	erty (copyrigh ht, electronic ecrecy and fre ata, network ality, softwar	t, patents, signature, ee access software e patents,
4. Teac	hing methods:								
Teachir present coverec course explana	ng methods in ed using the r l at computer p lecturer and te tions of the m	clude: lect necessary practice cla aching ass aterial cove	ures, com didactic to sses throu istants ha ered at the	puter practice c pols while stude ugh assignments ve consultations e lecture and prac	lasses ar nt active which stu with the s ctice class	nd consultations. During participation is encouraged dents do independently students. During the cons ses.	the lectures the col ged. The practical as or with the help of tea sultations the studen	ntent of the spect of the aching assist ts are given	course is course is ants. The additional
				Knowledge e	valuation	(maximum 100 points)			
Pre-examination obligations Mandatory Points Final exam Mandatory Point							Points		
Project defence			Yes	50.00	Oral part of the exam		Yes	50.00	
		Literature							
Ord.	A	uthor	Title Publishe		er	Year			
1,	Stevan Lilić		Pra	avna informatika			∠avod za udźbenike sredstva	e i nastavna	2006
2,	Edward A. Ca Morin	avazos, Ga	vino Cyl	ber-Space and th	ne Law		MIT Press		1996



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:										
Course id:	SES302			High	Technology Man	agement				
Number of ECTS:	7									
Teacher:		Milanović N.	Nikola							
Course status:		Elective								
Number of active teac	hing classe	es (weekly)								
Lectures:	Practical	classes:	Other teachi	ng types:	Study resear	ch work:	Other cla	isses:		
3	C)	2		0		0			
Precondition courses			None		•					
1. Educational goal:										
The aim of the course	The aim of the course is to provide students with necessary skills to run the high-tech companies.									
2. Educational outcom	nes (acquire	ed knowledge):							
Upon successful cours	se of comp	letion, studen	ts are trained	to form bu	usiness plans for high-tech	start-up companies				
3. Course content/stru	icture:									
Introduction and motiv Art of the Start. Forma business model, idea, capital: venture capita	vation. Teal ation prese , product d al, credit, re	mwork. Formi entation (pitch) escription, ma esearch projec	ng teams. De): elevator, sa arket, marketi cts and partne	velopmen Iles, inves ng, sales, erships. L	t of ideas - written idea or v tment. Discussing ideas. B SWOT analysis, financial eadership in entrepreneurs	writing commercials susiness Plan - Chie projections. Busine ship. Legal basics c	for the comp of Executive s ss strategy. I of entreprene	any. The summary, Providing urship.		
4. Teaching methods:										
Lectures; Auditory exercises; Consultations. Assigned project task is developed through team effort. In the last few weeks of the semester public presentations is organized for the most successful project solutions. Discussion of results achieved. The defense of the project is written. The final exam is oral. Assessment mark is based on the success of the defense project assignment and final oral examination.										
	Knowledge evaluation (maximum 100 points)									
Pre-examina	tion obliga	tions	Mandatory	Points	Final exa	im	Mandatory	Points		
Term paper			Yes	70.00	Oral part of the exam		Yes	30.00		
	Literature									

Ord.	Author	Title	Publisher	Year
1,	Guy Kawasaki	The Art of the Start	Portfolio	2006



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:												
Course	id:	P1410			Vir	tual Product De	signing					
Number	of ECTS:	6										
Teache	rs:		Tabakovid	ć N. Slobodan, Z	eljković V	. Milan						
Course	status:		Elective									
Number	of active teac	hing classe	es (weekly)	1								
L	ectures:	Practical	classes:	Other teach	ng types:	Study resea	arch work:	Other cla	isses:			
	3	()	3		0		0				
Precond	dition courses		•	None		-						
1. Educ	ational goal:											
Acquirir	ig knowledge i	n the field	of product	designing in virt	ual reality.							
2. Educ	ational outcom	nes (acquire	ed knowled	lge):								
Acquirir	ng knowledge o	on product	simulation	of mamaging pr	ogrammes	s for product creation on N	NU machines in virtua	al reality.				
3. Course content/structure:												
Subject incomin behavio	Subject introduction. Virtual reality and extended virtual reality. Interaction in real time, simulation i real time, direct interaction with incoming and outgoing devices. Computer equipment for virtual reality. Designing parts and assembleys in virtual reality. Product behaviour simulation in virtual reality. Controling programme simulation for parts creation on NU machine tools in virtual reality.											
4. Teac	hing methods:											
Lecture theoreti appropi practica consulta formed	s are realized cal part is pre- riate projects al classes stu ations are held on the basis o	in the form sented with and semin dents are for the pur f class atte	n of lecture n appropria ar papers taouth to rpose of cla ndance, pa	s, auditory and ate practical exa . In order to ex use infromation arification of sub artial examinatio	computer mples. Du band prac technolo ject conter n resutls, j	practical classes, consult iring auditory practical cla tical knowledge, various ogies in the field of the nt and help elaboration of project and seminar pape	ations and company asses excercises are companies are visi subject content. Apa projects and semina r.	visits. During performed a ted. During o art from that r papers. Fina) lectures is well as computer regular al mark is			
				Knowledge	evaluation	(maximum 100 points)						
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Comput	er exercise att	tendance		Yes	5.00	Written part of the exam	 tasks and theory 	Yes	30.00			
Graphic	paper			Yes	20.00	Oral part of the exam		Yes	40.00			
Lecture	attendance			Yes	5.00							
Literature												
Ord.	Ord. Author				Title		Publishe	er	Year			
1,	Zeljković, M.	i dr.	Virtuelno projektovanje proizvoda, skripta (u pripremi) Sad			auka, Novi	2008					
2,	Grosman, K.		Die Realitat im Virtuellen Technische Universitat Dresden				1998					
3,	Sherman, W	.,R., Craig,	A.,B. Understading Virtual Reality, interface, application Morgan Kaufmann Publishers 24						2003			
4,	Dongmin, K.,	, Salim, H.	Vir	Virtual Computing: Concept, Design, and Evaluation Springer 200								



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Study Programme Accreditation
UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:												
Course	id:	RT44		Ľ	ISP Ar	chitecture and /	Algorithms 1					
Number	of ECTS:	7										
Teache	r:		Kovačević V	/. Jelena								
Course	status:		Elective									
Number	of active teac	hing classe	es (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
	4	1		2		0		0				
Precond	lition courses	-				•	•					
1. Educ	ational goal:			-								
Student process	s are able to sing and their	design arc programm	hitecture for ing.	digital signal	processi	ng, with accent on the a	rchitecture of proces	ssors for digi	tal signal			
2. Educ	ational outcom	nes (acquire	ed knowledge	e):								
Studen knowle	Students have mastered basic techniques of design and testing of architecture for digital signal processing (DSP). The acquired knowledge is the basis for the future professional courses.											
3. Cours	se content/stru	icture:										
Introduc process process basic o program	ction. Architec sing, pipelinin ing). VLSI tecl perations ADI nming (real tiu	ture of pro g, DSP rea hnology for D, MUL an me operati	cessors for o courses: ALI DSP. Arithm d MAC, spe on, program	digital signal p U, memory, c letic's of proce cific operation ming languag	processing ledicated essors for ns: compl ges C and	g (Von Neuman and Har DSPs, DSPs for audio digital signal processing (ex arithmetic's, cordic, or I assembler, tools: comp	vard architecture, RI signal processing, E data format, ways of convolution and vect biler, simulator and o	SC and DSF DSPs for vide representing tor arithmetic debugger, te	P, parallel eo signal numbers, c's). DSP sting).			
4. Teac	hing methods:											
Lecture The tea attend o	s. Tutorials. Au ching is divide computer prac	uditory prac ed into two tice classe	tice. Comput blocks. In th s. During the	ter practice. C e first block s e second blocl	onsultation tudents af k students	ns. Itend theoretical classes work on their examinati	during the mornings. on papers.	. In the afterr	noon they			
				Knowledge	evaluation	(maximum 100 points)						
	Pre-examina	ation obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Project Yes 30.00 Coloquium exam No 4							40.00					
						Theoretical part of the ex	am	Yes	30.00			
						Practical part of the exan	n - tasks	Yes	40.00			
					Liter	ature						
Ord.			rinae Publisher Year									
1,	M. Popović, I	N. Teslić	Arhite	ekture i algorit	mi DSP-a	I	FTN		2004			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:												
Course	id:	RT50		Televi	sion a	nd Image Proce	ssing Softwa	re 1				
Number	of ECTS:	7										
Teache	r:		Teslić Đ. N	Nikola								
Course	status:		Elective									
Number	of active teac	hing classe	es (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
	4	C)	3		0		0				
Precond	lition courses					•						
1. Educ	ational goal:											
Student	s learn about o	designing a	rchitecture	for receiving tel	evision sig	gnals, physical architectu	e and appropriate so	ftware suppo	rt.			
2. Educ	ational outcom	nes (acquire	ed knowled	ge):								
Student basis fo	Students have learnt about basic design techniques, testing architecture and TV signal receivers. The acquired knowledge forms the basis for the future professional courses.											
3. Cours	se content/stru	icture:										
Introduc input ele image r of TV sy sound c process	Introduction (fundamentals of image transmission). Elements of physical architecture of TV set/ receiver- basic elements, realization of input element of TV set (tuner, demodulator), digitalization block, block for digital image processing (SRC, NR, ZOOM, scaling), block for image representation (CRT, LCD, Plasma), realization of the central control unit, with section for data handling (VBI, CC, TTX). Elements of TV system software (OS, HAL, MICTOS), elements of software for handling TV set input (tuner, demodulator), output, realization of sound control software (MSP), teletext software, user interface (remote control and menu system). Realization of algorithms for digital processing of the sequential networks (OCP 10, OCP 20, 3DComb)											
4. Teac	hing methods:											
Lecture The tea attend o	s. Tutorials. Au ching is divide computer prac	uditory prac ed into two tice classe	tice. Comp blocks. In t s. During th	uter practice. Co the first block so he second block	onsultation tudents at c students	ns. ttend theoretical classes s work on their examinati	during the mornings. on papers.	In the afterr	noon they			
				Knowledge e	evaluation	(maximum 100 points)		_				
	Pre-examina	tion obligation	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Homew	ork			Yes	5.00	Coloquium exam		No	20.00			
Homew	ork			Yes	5.00	Coloquium exam		No	20.00			
Homew	ork			Yes	5.00	Theoretical part of the ex	am	Yes	30.00			
Homework			Yes	5.00	Practical part of the exan	n - tasks	Yes	40.00				
Test			Yes	10.00								
					Liter	ature						
Ord.	A	uthor			Title	;	Publishe	er	Year			
1,	V. Kovačević Mihić	, N. Teslić,	V. Pro	Programska podška u televiziji i obradi slike 1, Skripte 2005								



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:												
Course	id:	SE0033			Gener	ric and Meta P	rogramming					
Number	of ECTS:	7										
Teache	-		Rakić S.	Predrag								
Course	status:		Elective									
Number	of active teac	hing classe	es (weekly	()								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study re	search work:	Other cla	asses:			
	3	(C	2			0	0				
Precond	lition courses			None								
1. Educ	ational goal:											
Introduc progran	Introducing students to the basic concepts and mechanisms of generic and meta-progremming, and reasons for their introduction as a programming paradigm.											
2. Educ	ational outcom	ies (acquir	ed knowle	dge):								
Student static ar implem approac	Students who successfully complete the course is familiar with the concept of generic and meta-programming; are able to differetiate the static and dynamic polymorphism and are aware of the advantages and disadvantages of both. Also students know how to develop and implement parameterized data structures and algorithms, and are capable to combine generic and meta-programming with other approaches (paradigms).											
3. Cours	se content/stru	cture:										
The cor overloa weakne during t template name (o touple, i code op	cept of generi ding generic f sses, and com he translation e with variable overload resol initializer_list), timization, po	ic program unctions, t bining with , advantage number c ution). Poi determini licy based	ming: para emplate con the dyna ges and di of paramet nt adjustn ng and co design. W	ameterized data classes, template amic. Template m isadvantages, re ters). The mecha nent (point of cus ntrolling the type Vhen using the ge	structures class spe eta-progra cursion ar nism of se stomizatio s, calculat eneric and	and algorithms. Gene ecialization (partial an- amming: history, function of branching, advance election of the best altern n) in the generic algorition ion and determination / or meta-programmin	ric programming in C d complete). Static po phal programming, par ed features (templated rinative among severa ithm. Application: The of values available at ng, and when not.	+ +: template lymorphism: : tial algorithm d template pa l functions of standard libu the time of tr	functions, strengths, execution rameters, the same rary (STL, ranslation,			
4. Teac	ning methods:											
Lecture	s, Computer e es and an oral	xercises; (exam.	Consultatio	ons. The exam is	oral. Asse	essment and final mark	s are based on the su	Iccess of the I	aboratory			
				Knowledge e	evaluation	(maximum 100 points)		-				
	Pre-examina	ition obliga	tions	Mandatory	Points	Final	exam	Mandatory	Points			
Project	defence			Yes	50.00	Oral part of the exam		Yes	50.00			
					Litera	ature						
Ord.	A	uthor	N4	adam CLL Dasia	Title	Drogromming and	Publish	er	Year			
1,	Andrei Alexa	ndrescu	Design Patterns Applied Addison-Wesley Professional 200					2001				
2,	David Abraha	ams, Aleks	ksey C++ Template Metaprogramming: Concepts, Tools, and Techniques from Boost and Beyond 2004					2004				
3,	Herb Sutter,	Andrei	C·	++ Coding Standa	ards: 101 F	Rules, Guidelines, and	Addison Wesley		2004			
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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	SEAU05		DS	SP Ap	olications in Cor	ntrol Systems	i			
Number	of ECTS:	7									
Teache	rs:		Bojanić M. I	Dubravka, Jorę	govanović	Ð. Nikola					
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:		
	4	()	3		0		0			
Precond	lition courses			None		•	•				
1. Educ	ational goal:										
Student	s acquire the b	oasic know	ledge of proc	cessors and al	gorithms fo	or digital signal processing	g.				
2. Educ	ational outcom	ies (acquire	ed knowledg	e):							
The acc	uired knowled	ge forms th	ne basis for t	he future educ	ation and	professional courses.					
3. Course content/structure:											
Fourier signals systems DSP in protocol	Periodic signals. Aperiodic signals. Frequency spectrum and frequency analysis of signals, an introduction to Fourier analysis. The Fourier Series. The Fourier Transform (FT). Introduction to digital signal processing. Signal discretization, sampling theorem. Discrete signals and systems. Fourier transform of discrete signals, discrete FT. Fast Fourier transform (FFT). Infinite Impulse Response (IIR) systems. Finite Impulse Response (FIR) systems. Application of DFT and FFT algorithms and digital filters in control. The importance of DSP in control systems. The architecture of DSP TMS320C2000 platform. Application of IrDA protocol in control. Application of Bluetooth protocol in control.										
4. Teacl	hing methods:	nnuter nra	ctice Consul	tations							
	5, practice, cor										
				Knowledge	evaluation	(maximum 100 points)					
Comput	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Test	er excersise u	elence		Yes	10.00	Coloquium exam		NO No	20.00		
Test				Ves	10.00			Ves	20.00		
				103		Practical part of the exam	n - tasks	Yes	40.00		
					Liter	ature		1	I		
Ord.	A	uthor			Title	;	Publishe	er	Year		
1,	Lj. Milić, Z. D	obrosavljev	vić Uvoc	l u digitalnu ob	oradu signa	ala	Elektrotehnički faku Univerziteta u Beog	ltet Iradu	1999		
2,	M. V. Popovi	ć	Digita	alna obrada si	gnala		Akademska misao,	Beograd	2003		
3,	M. Popović, A	A. Mojsilovi	ić Digita simu	Digitalna obrada signala - Računarske vežbe i Nauka, Beograd					1996		
4,	A. Cohen		Bion Dom	Biomedical signal processing: Time and Frequency Domain Analysis Boca Raton, Fla, CRC Press					1986		
5,	A. Cohen		Bion Auto	Biomedical signal processing: Compression and Automatic Recognition Boca Raton, Fla, CRC Press 1986							



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:				Oliver also and available							
Course	id:	SEAU07				Signals and sys	tems				
Number	of ECTS:	7									
Teache	1		Bojanić M.	Dubravka							
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
	3	()	2		0		0			
Precond	lition courses	-		None		•					
1. Educ	ational goal:			-							
Student	s acquire basi	c knowledg	e of signals	and systems.							
2. Educ	ational outcom	Itcomes (acquired knowledge):									
Student	s learn the bas	sic concept	s of systems	s and examine	signals, a	nd the way that signals in	teract with physical s	ystems.			
3. Course content/structure:											
Introduc systems convolu Frequer transfor Frequer	tion to signals s. Linear Time tion. Discrete ncy representa m. Fourier and ncy domain and	and system Invariant systems, tion of sign alysis of dis alysis of LT	ms theory. E (LTI) syste LTI discrete als. Fourier screte-time s I systems. I	Basic characteri ms. Differentia e systems. Dif analysis of cor signals. Laplace transfo	istics of si al equatio ference e itinous-tim rm, transf	gnals and systems. Conti ns and their application: quations and their appli le signals. Periodic signal er function. Z transform, d	nuous-time signals, (s. Signal sampling. cations. ls, Fourier series. Ap liscrete-time transfer	convolution. (Discrete-tim eriodic signal function.	Continous e signals, s, Fourier		
4. Teac	ning methods:										
Lecture	s. Practice. Co	onsultations	i.								
				Knowledge e	valuation	(maximum 100 points)		_			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Comput	er excersise d	efence		Yes	10.00	Coloquium exam		No	20.00		
Test				Yes	10.00	Coloquium exam		No	20.00		
Test				Yes	10.00	Oral part of the exam		Yes	30.00		
						Practical part of the exan	n - tasks	Yes	40.00		
Ord.	A	uthor	Title Publisher Year					Year			
1,	Milić Stojić		Siste	emi automatsko	og upravlja	anja	Elektronski fakultet	, Niš	2004		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course id: SES204 Advanced Programming Tecnics Number of ECTS: 5 Dejanović R. Igor, Milosavljević R. Gordana Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes Other teaching types: Study research work: Other classes: 2 0 2 0 0 0 Precondition courses None None None None None 1. Educational goal: Introducing students with advanced programming techniques and mastering the basic theoretical knowledge and techniques. Training students for analysis and application of proper programming methodologies, terminology in this field, analyze and apply appropriate methodologies. 2 Educational outcomes (acquired knowledge): Upon completion of the course, students are able to understand the different programming methodologies. They are also trained in the practical use of certain techniques and tools in the field of advanced programming instructure: 3. Course content/structure: Theory. methodologies. Study research context, students are able to application of acquired knowledge in the assign projeration methodologies. Scheme, Ciore, Haski, Erang). Asset or forestorgramming: the lange advanced programming. Multi-paradigm programming in abject-oriented, imperative, declarative, process oriented, functional, competitive, retorvisin, storgeramming, sectoretent. Scour	Course:											
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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course											
Course	id:	RT41	Inte	rcompute	r Com	munications an	d Computer I	Network	s 1		
Number	r of ECTS:	6									
Teache	r:		Bašičević V	/. Ilija							
Course	status:		Elective								
Number	r of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
	3	()	2		0		0			
Precon	dition courses										
1. Educ	ational goal:										
Student	s are able to d	esign, real	ize and test	communicatior	protocols	and learn about the basi	cs of TCP/IP Internet	technologies	3.		
2. Educ	ational outcom	nes (acquir	ed knowledg	e):							
Students are able to design, realize and test communication protocols and know about the basics of TCP/IP Internet technologies.											
3. Cour	se content/stru	icture:									
Method LAPB a elemen TCP). 1 applicat (e-mail,	Introduction. Protocol design (the notion of protocol, languages for formal specification of protocols - SDL, MSC, TTCN, UML). Methodology of protocol realization (core, design pattern, class library for realization of protocols). Examples of protocol realization: OSI LAPB and X.25 network level. The Internet (Structure of the Internet, component of the Internet physical architecture, Commutation elements). TCP/IP Internet (Internet services, history). Internet concepts (Internet address, ARP, RARP, Internet protocol IP, ICMP, UDP, TCP). Transparent protocol converters, subnetwork addressing and supranetwork addressing. Domain name system. Protocols and applications of remote interactive operation (telnet). Database transmission (TFTP and FTP). Electronic mail protocols and applications (a meil SMTP and POP2)										
4. Teac	hing methods:										
Lecture The tea attend o	s. Tutorials. Co iching is divide computer prac	omputer pr ed into two tice classe	actice. Cons blocks. In these second	ultations. he first block s e second blocl	tudents at < students	tend theoretical classes work on their examinati	during the mornings. on papers.	. In the afterr	noon they		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Laborat	ory exercise a	ttendance		Yes	5.00	Theoretical part of the ex	am	Yes	30.00		
Lecture	attendance			Yes	5.00						
Project				Yes	50.00						
			Yes	10.00							
	-				Liter	ature					
Ord.	A	uthor			Title	I Itle Publisher		Year			
1,	D. Komer		FCF Mođ	-/IP Internet	munikacii	nikacije i račuparske mreže l			2005		
2,	M. Popović		skrip	te.					2005		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course:										
Course	id:	RT49A	Real Time Software 2							
Number	Number of ECTS: 5									
Teache	-		Atlagić S. Branislav							
Course	status:		Elective							
Number of active teaching classes (weekly)										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other classes:		
	2	()	2		0		0	0	
Precond	lition courses	-		None						
1. Educ	ational goal:			-						
Students gain fundamental knowledge about real time operating systems and are able to design adequate software support.										
2. Educ	ational outcom	nes (acquir	ed knowle	edge):						
Knowledge about basic notions, standards and technologies in the field of real time software and the ability to design and realize simple programs of this type.										
3. Cours	3. Course content/structure:									
Monitor-control station software (data interchange protocols with process controller; communication protocols for computer components within NUS station, graphic operator subsystem). OPS connection (client connection on process highway, server connection with applications for technological leadership and decision support). Examples and practical work in laboratory.										
4. Teaching methods:										
Lectures: Tutorials. Computer practice. Consultations. Students attend lectures and practice classes. Students work during the semester in computer practice classes on developing their examination paper.										
	Knowledge evaluation (maximum 100 points)									
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points		
Project Yes							30.00			
Coloquium exam							No	40.00		
				Theoretical part of the		Theoretical part of the ex	am	Yes	30.00	
Practical part of the exam - tasks Yes								40.00		
	Literature									
Ord.	Α	luthor			Title	9	Publish	er	Year	
1,	Branislav Atl	agić	Programska podrška u realnom vremenu				2005			

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:										
Course id:	SEAU06		Software of Process Computers							
Number of ECTS: 5		1								
Teacher:	Čongradac D. Velimir									
Course status:		Elective								
Number of active tead	hing classe	es (weekly)								
Lectures:	classes:	Other teachi	ng types:	Study resea	arch work:	Other classes:				
2	()	2		0	0				
Precondition courses	-	-	None							
1. Educational goal:										
Students gain knowledge of theoretical and practical bases of computer control systems.										
2. Educational outcom	nes (acquire	ed knowledge	e):							
The acquired knowledge can be used in solving concrete engineering problems.										
3. Course content/stru	icture:									
Embedded systems. System software of process computers. Design and testing of system software on embedded systems. Present standards for process computer software (analysis, programming languages, function blocks,) IEC61131. Motion control by present standard. Present standards for programming numerically controlled machine tools (structure of CNC controller, axle control, interpolation, operator connection) Examples and practical work in laboratory.										
4. Teaching methods:										
Lectures, computer practice classes, laboratory practice, consultations. The exam is written and oral. The course load can be divided into three colloquia. The grades from the colloquia and tests are limited to two exam periods. The colloquia and exam are written with the written part being the prerequisite for the oral. The final grade is formed on the bases of the colloquia, homework assignments and the written and oral part of the exam.										
Knowledge evaluation (maximum 100 points)										
Pre-examina	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Project		Yes 30.00 Oral part of the exam			Yes	30.00				
Practical part of the exam - tasks Yes 40.0										
		I Itle				31 	rear			
1, S. Odrí, Hajo	ukovic	međunarodni standard IEC 61131-3 Univerzitet u Novom Sadu				n Sadu	1999			
2, Velimir Čong	radac	Stampani materijal koji pokriva pojedina izlaganja i vežbe					2011			
3, Velimir Čong	radac	Skripta za računarske i labaratorijske vežbe 20					2011			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	SEAU04	Software of BMS								
Number	of ECTS:	6									
Teache	Teacher: Čo		Čongrada	Śongradac D. Velimir							
Course	status:		Elective								
Number	Number of active teaching classes (weekly)										
L	ectures:	Practical	al classes: Other teaching types: Study research work: Other clas						asses:		
	3	C)	2		0		0			
Precond	lition courses		None								
1. Educ	ational goal:										
Students gain theoretical and practical knowledge about automation of office-residential buildings.											
2. Educational outcomes (acquired knowledge):											
The acquired knowledge can be used in solving base engineering problems and practical applications in building automation field.											
3. Course content/structure:											
The history of use of modern automation solutions in the automation of office and residential buildings. Standards in the field of office / residential buildings automation. DCS architecture in building automation systems. Communication protocols (LON, KNX, X10). Control of HVAC systems in office and residential buildings.											
4. Teac	hing methods:										
Lectures, computer and laboratory practice, consultations. The theoretical part of the course is evaluated through oral exam where students answer problem questions. The oral part of the exam is worth up to 30 points and based on a set of exam questions. The practical part of the exam is taken in computer laboratory (colloquium and exam) and through homework assignments. The final grade is formed on the bases of the quality of homework assignments and computer assignments and the oral part of the exam.											
Knowledge evaluation (maximum 100 points)											
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points			
Project				Yes 30.00 Oral part of the exam			Yes	30.00			
Practical part of the exam - tasks Yes 40.00											
Ord.	A	uthor	Title Publisher			er	Year				
1,	Profesor		vežbe				2010				
2,	Roger W. Ha Hittle	ines Dougl	las C. Systems for heating, ventilating and air conditioning Springer					2008			


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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:			Coffuero Engineering Economy						
Course id:	SES101			Softw	are Engineering Economy				
Number of ECTS:	6								
Teacher:		Marković D.	. Vidan						
Course status:		Elective							
Number of active teac	hing classe	es (weekly)							
Lectures:	Practical	classes:	Other teachi	ng types:	Study research work:	Other cla	sses:		
2	()	2 0 0						
Precondition courses			None						
1. Educational goal:									
ntroducing students to the theory of the economics of software development and training them for the cost-estimation and managing software projects from the perspective of development economics.									
2. Educational outcomes (acquired knowledge):									
Upon course completi costs of software proje	on student ects and so	s are familian oftware proje	r with software ct managemer	developm t from the	nent economics in theory, and are capable of p development economics standpoint.	properly estim	ating the		
3. Course content/stru	icture:								
Introduction: motivatio modes and distributio Analysis of cost effec future costs and revel goals. Handling unce management. Estima	n and cont n activities tiveness. S nues. Obje ertainty and ation of the	ext. Software a. Intermedia Selection of ectives as co d risk. Statis e cost of soft	e lifecycle - qua te COCOMO i alternatives - nstraints. Ana stical decision tware mainter	antitative r model: es decision r lysis and theory. S nance. Pla	nodels, phases and activities. Basic COCOMC timation of the level of the product, estimatior naking criteria, multicriteria analysis. Margin optimization of systems with constraints. Han software cost estimation - methods and proc anning and project management.) model - deve n of compone analysis. Cui dling non-qua edures, and	elopment nts level. rrent and antitative lifecycle		
4. Teaching methods:									
Lectures, Computer e exercises and an oral	_ectures, Computer exercises; Consultations. The exam is oral. Assessment and final marks are based on the success of the laboratory exercises and an oral exam.								
			Knowledge	evaluation	(maximum 100 points)				
Pre-examina	tion obliga	tions	Mandatory	Points	Final exam	Mandatory	Points		
Term paper			Yes	60.00	Oral part of the exam	Yes	40.00		

i cim p	арсі	fes	00.00			163	40.00
			Litera	ature			
Ord.	Author		er	Year			
1,	Barry Boehm	Software Engineering Economics Prentice-Hall			Prentice-Hall		1981



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	SES102				NOSQL Data Ba	ases				
Number	of ECTS:	6									
Teache	r:		Milanović	N. Nikola							
Course	status:		Elective								
Number	of active tead	hing classe	es (weekly))							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	2	()	2 0 0							
Precond	None None										
1. Educ	1. Educational goal:										
Introduc	Introduce students to the basic principles, elements and operational modes of modern non-relational databases.										
2. Educ	2. Educational outcomes (acquired knowledge):										
After su databas	accessfull cor ses.	mpletion of	f the cours	se, students are	e capable	of developing systems	that make use of n	nodern non-	relational		
3. Cours	se content/stru	icture:									
Large d databas and dat	ata warehous es. Graph-orie a integrity mar	e problems ented datab nagement.	s and scala bases. Proo NoSQL dat	ability. Key/value cessing of the da tabases and clou	in data w ta. Databa d computi	varehousing. Column-ori ase queries. Database ev ing. Map/Reduce. NoSQI	ented data warehous olution. Indexing. Tra . database performac	e. Documen Insaction mar e measures.	t oriented nagement		
4. Teac	hing methods:										
Lecture exercise	s, Computer e es and an oral	exercises; C exam.	Consultatio	ns. The exam is	oral. Asse	essment and final marks	are based on the suc	ccess of the I	aboratory		
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Project	defence			Yes	50.00	Oral part of the exam		Yes	50.00		
					Litera	ature					
Ord.	A	uthor			Title	!	Publishe	er	Year		

Olu.	Aution	Tille	Publisher	rear
1,	Shashank Tiwari	Professional NoSQL	Wiley	2011



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:										
Course id:	RT49			F	Real Time Softw	are 1				
Number of ECT	S: 6									
Teacher:		Atlagić S. B	ranislav							
Course status:		Elective								
Number of activ	e teaching classe	es (weekly)								
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
2	()	2		0		0			
Precondition co	urses	-	None							
1. Educational g	oal:									
Students gain fu	Students gain fundamental knowledge about real time operating systems and are able to design adequate software support.									
2. Educational o	utcomes (acquir	ed knowledge	e):							
Knowledge abo programs of this	Knowledge about basic notions, standards and technologies in the field of real time software and the ability to design and realize simple programs of this type.									
3. Course conte	3. Course content/structure:									
Introduction. Ta systems, progra Process contro sensors/execut secondary proc	sks of real time m implementatio ol software (rea on elements, ha essing of proce	software, the on of control a al time mult andlers of co ss data).	e notion of pro algorithm. Arc iprocessor p omponents for	gram com hitecture rogram e physical	ponent in distributed sys and components of GAUS nvironment, implement acquisition of process d	tems. Control softwa S system. Program r ation of standards lata, standard proce	are of comput nodel of contr for connec edures of prir	ter based rol object. tion with mary and		
4. Teaching met	hods:									
Lectures: Tutoria Students attend examination pa	als. Computer pr I lectures and p per.	actice. Consu ractice class	ultations. es. Students	work duri	ng the semester in comp	outer practice classe	es on develop	oing their		
			Knowledge e	evaluation	(maximum 100 points)					
Pre-ex	amination obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points		
Project			Yes	30.00	Coloquium exam		No	40.00		
					Theoretical part of the ex	am	Yes	30.00		
					Practical part of the exam	1 - tasks	Yes	40.00		
0-1	Λ. بال ه			Liter	ature	Dublin		Vere		
1, Branisl	av Atlagić	PRO VRE	GRAMSKA PO MENU, skripta	DRŠKA I	J REALNOM	Publishe	51	2005		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:				Detabages 2							
Course	id:	RI43B				Databases	2				
Number	of ECTS:	6									
Teache	rs:		Luković S. I	van, Mihajlovio	ć R. Draga	an					
Course	status:		Elective								
Number	of active tead	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	2	()	2		()	0			
Precond	lition courses	-				·					
1. Educ	ational goal:										
Adoptin databas	g the techniq ses.	ues and n	nethods of d	atabase desi	gn and ac	lvanced techniques of i	mplementation, use	and mainter	nance of		
2. Educ	ational outcom	nes (acquire	ed knowledge	e):							
The acc Informa	quired knowle tics, Databas	edge is use e Systems	ed in practic 3.	e and in futu	re engine	ering courses: Informat	ion Systems and Ma	anagement,	Business		
3. Cours	se content/stru	icture:									
Function design of schema design.	Functional dependencies and algorithms for generating relation scheme keys. Multivalued and join dependencies. Normal forms and design criteria for structuring relational database schema. Decomposition method. Synthesis method. Transformations of ER database schemas into relational data model. Methodological approaches to database schema design process. CASE tools for database schema design.										
4. Teac	hing methods:										
Teachin teaching active p earning	g is performe g process, stu- articipation in at least 30 po	d through le dents are o the whole pints.	essons, oral constantly mo lecturing pro	and computer otivated to an i ocess. The pre	exercises ntensive d erequisite	s (in the computer classro liscussion, problem orien to enter final exam is to	bom), as well as cons ted reasoning, indepe complete all the pre-	sultations. Th endent study exam assign	rough the work and ments by		
				Knowledge	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Comple	x exercises			Yes	10.00	Oral part of the exam		Yes	30.00		
Comple	x exercises			Yes	10.00						
Comple	x exercises			Yes	10.00						
Exercise	e attendance			Yes	5.00						
Project				Yes	20.00						
Project	task			Yes	15.00						
			<u> </u>		Liter	ature	-				
Ord.	A	uthor			Title)	Publishe	er	Year		
1,	Mogin Pavle Govedarica I	, Luković Iv Miro	an, Princ	ipi projektovar	nja baza p	odataka, II izdanje	Fakultet tehničkih n Sad	auka, Novi	2004		
2,	Mogin P, Luk	ković I.	Princ	ipi baza podat	aka		Fakultet tehničkih n Stylos, Novi Sad	auka i MP	1996		
3,	Date C. J.		An Ir	ntroduction to [Database	Systems (8th Edition)	Addison Wesley		2004		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course									
Course	id:	GI406A	Fui	ndamenta	ls of R	emote Sensing	and Image F	Processi	ng
Number	of ECTS:	6							
Teache	rs:		Govedaric	a J. Miro, Boriso	ov A. Mirko	, Benka P. Pavel			
Course	status:		Elective						
Number	of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:
	3	(D	2		0		1	
Precond	dition courses			None		·			
1. Educ	ational goal:								
To acquin the finance in the finance	To acquire basic and applied knowledge in the field of geodesy, geomatics and geoinformatics. To acquire basic and applied knowledge in the field of remote sensing and computer image processing.								
2. Educ	2. Educational outcomes (acquired knowledge):								
Acquire	d knowledge is	s used in p	rofessional	courses, as wel	l as in the i	ecognition and in solving	g the engineering pro	blems.	
3. Cours	3. Course content/structure:								
Introduc transfor interpre Classifi Registra tools fo	ntroduction to remote sensing. Technological bases. Sensor platforms. Interpretation of sensor records. Image pre-processing. Image ransformations. Filtering. Interpretation methods in remote researching. Subjective interpretation, properties and limitations. Interactive nterpretation with partially automated functions. Image modification. Highlighting, ranking and reducing the amount of marks. Classification. Segmentation. Algorithms for classification and segmentation. Automated classification. Supervised classification. Registration and geocoding. Image merging. Standard patterns and algorithms. Quality control and accuracy assessment. Programme ools for remote detection.								
4. Teac	hing methods:								
Teachir	ng forms: lectu al elaboration	res, compu	uter practice	e, consultations, and 4 tests and	, individual final exam	elaboration of obligator ination – oral form.	y tasks. Knowledge e	evaluation: g	uided and
		<u> </u>		Knowledge e	evaluation	maximum 100 points)			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points
Comput	er excersise d	efence		Yes	15.00	Oral part of the exam		Yes	30.00
Comput	er excersise d	efence		Yes	15.00				<u></u>
Test				Yes	10.00				
Test				Yes	10.00				
Test				Yes	10.00				
Test				Yes	10.00				
					Litera	ture			
Ord.	A	uthor			Title		Publishe	er	Year
1,	P. Mather		Cor Intro	nputer Processi oduction	ng of Rem	otly-Sensed Images: An	John Wiley&Sons, I	Ltd	2004
2,	Keith R. McC	loy	Res Ser	source Manager	nent Inforn /lodelling	nation System:Remote	Taylor&Francis		2006
3,	M. Dražić		Foto	ogrametrija 2			Građevinska knjiga	, Beograd	1965
4,	Dušan Joksić	5	Foto	ogrametrija I			Naučna knjiga, Beo	grad	1983
5,	V.M. Serdjuk	ov	Foto stro	ogrammetrija V viteljstve	promišlenr	om i graždanskom	Nedra, Moskva		1977
6,	grupa autora		Geo	odezija i aerofot	osjemka		Izdanie moskovsko lenina instituta, M	go ordena oskva	1984
7,	John R. Jens	en	Intro Ser	oductory Digital	Image Pro	cessing - A Remote	Pearson Prentice H	lall	2005



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:				Oral and written communication skills						
Course	id:	SES103			Ora	al and	l written commu	nication skills	5	
Number	of ECTS:	6								
Teache	rs:		Perišić	R. Branko, Iva	anović	V. Drag	an, Konjović D. Zora, Slad	dić S. Goran		
Course	status:		Mandat	ory						
Number	of active teac	hing classe	es (week	ly)						
L	ectures:	Practical	classes:	Other te	eachin	ig types:	Study rese	arch work:	Other cl	asses:
	2	1			1		C		0	
Precond	lition courses	-		None	;		•			
1. Educ	ational goal:			-						
Training	students for c	oral and wri	tten prof	essional com	munica	ation.				
2. Educ	2. Educational outcomes (acquired knowledge):									
Ability to oral form	Ability to communicate professional content in written form in native and English language. Ability to communicate professional content in oral form in native and English language.									
3. Cours	se content/stru	icture:								
Commu Commu	inication targe	ets. Comm en docume	unicatio ents. Ele	n principles. ectronic comn	Comn nunica	nunicatio ation. Or	on means. Team commu al communication.	inication. Communic	ation with c	ustomers.
4. Teac	hing methods:									
Lecture	s, written assig	gnments, or	ral prese	ntations.						
				Knowle	dge ev	valuation	(maximum 100 points)			
	Pre-examina	tion obligation	tions	Manda	atory	Points	Final e	xam	Mandatory	Points
Homew	ork			Ye	s	5.00	Oral part of the exam		Yes	30.00
Homew	ork		Yes 5.00							
Present	ation			Ye	s	10.00	-			
Project				Ye	s	50.00				
						Liter	ature	1		
Ord.	A	uthor				Title	9	Publishe	er	Year
1	H F Sales	Hazel Sale	es F	Professional C	Commi	unication	In Engineering	Palgrave Macmillan		2006



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UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:									
Course id:	SEZR01				Graduate Thesys				
Number of ECTS:	10								
Teachers:									
Course status:		Mandatory							
Number of active teac	hing classe	es (weekly)							
Lectures:	Practical	classes:	asses: Other teaching types: Study research work: Other classes:						
0	()	0		0	7			
Precondition courses	-	-	None		· · ·				
1. Educational goal:	. Educational goal:								
2. Educational outcom	nes (acquire	ed knowledge):						
3. Course content/stru	3. Course content/structure:								
4. Teaching methods:	. Teaching methods:								
			Knowledge e	valuation	(maximum 100 points)				
Pre-examina	ation obliga	tions	Mandatory	Points	Final exam	Mandatory Points			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:			XML and MED Convision								
Course id:	E2E40			XI	ML and WEB So	ervices					
Number of ECTS:	7										
Teachers:		Ivanović V.	Dragan, Milos	avljević P.	Branko						
Course status:		Elective									
Number of active t	eaching class	es (weekly)									
Lectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:			
4	(0	4		C		0				
Precondition cours	es										
1. Educational goa	1. Educational goal:										
Students are taught about tasks of processing HML documents and design and construction of web service components.											
2. Educational outcomes (acquired knowledge):											
Students will be familiar with XML technology and standards for developing web services. Students are competent to design systems based on XML documents and design web service components in accordance with the present standards.											
3. Course content/	structure:										
XML language: o Transformation an of concepts, availa service componen	overview, syn d visualizatior ble implemen ts: coordinatic	tax, structu of documer tation techno on protocols,	re of docume hts. Document blogies. Standa service compo	ents. Star interconne ards of we osition. Sta	idards for specifying d ections. Document searc b service components. Ir andards and applications	ocument structure a h. XML databases. W itegration of informati of web services in e-	and their pro leb services: on systems t business sys	ocessing. overview using web stems.			
4. Teaching metho	ds:										
Lectures. Compute The examination is	er practice. Co s oral. The fina	nsultations. I grade is ba	sed on the suc	cess in th	e laboratory practice and	oral part of the exam	ination.				
			Knowledge e	evaluation	(maximum 100 points)						
Pre-exan	nination obliga	itions	Mandatory	Points	Final e	xam	Mandatory	Points			
Project			No	50.00	Oral part of the exam		Yes	50.00			
				Liter	ature						
Ord.	Author	Title Publisher				er	Year				
1, V. Geroii	menko	Dict Web	ionary of XML	Technolog	gies and the Semantic	Springer-Verlag, B	erlin	2004			
2, G. Alons Kuno, V.	o, F. Casati, H Machiraju	I. Web Appl	o Services: Cor ications	ncepts, Ar	chitectures and	Springer-Verlag, B	erlin	2004			



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course:											
Course	id:	E2E41		E-Business Systems Security							
Number	of ECTS:	4									
Teache	rs:		Sladić S. G	oran, Milosavlj	ević P. Bra	anko					
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	3	0)	3		C)	0			
Precond	lition courses										
1. Educ	ational goal:										
Student	s learn about t	he applicat	ion of techn	iques and meth	nods for th	e protection of data in e-	business systems.				
2. Educ	ational outcom	es (acquire	ed knowledg	e):							
Knowle create a control	dge of method a software for for different se	ds and tech data protee egments of	nnologies fo ction in elect e- busines	or data protect stronic busines s systems.	ion. The s s system,	studenta are able to use design and implement r	cryptographic methor mechanisms for author	ods and tech entication ar	nnologies, nd access		
3. Cours	3. Course content/structure:										
Cryptog asymm establis web ser system challeng models	Cryptography: introduction, basic concepts, cryptographic protocols, algorithms, digital signatures, digital certificates. Symmetric and asymmetric encryption algorithms, hash functions, key exchange. Cryptographic standards. PKI infrastructure: key management, establishment of PKI, certificate authorities, hierarchy of certificate authorities. Security of XML documents: digital signatures, encryption, web services security. Smart card technology: organization, standards and use. Application of security concepts at the level of operating systems, databases, and computer networks. Authentication: single-factor authentication, two-factor authentication, passwords, challenge-response principle, attacks, Kerberos, HTTP authentication. Access control: concepts, elements, policies, mechanisms and models of access control.										
4. Teac	hing methods:										
Lecture: The exa	s. Computer pr mination is ora	ractice. Cor al. The final	nsultations. I grade is for	rmed on the ba	sis of ach	ievement in the laborator	y practice classes and	d oral examir	nation.		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	tion obligat	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Project				Yes	50.00	Oral part of the exam		Yes	50.00		
					Liter	ature					
Ord.	A	uthor			Title	•	Publishe	er	Year		
1,	B. Schneier		App	lied Cryptogra	phy Protoc	cols, Algorithms, and	Wiley, New York		1995		
2,	William Stallin	ngs	Cryp	tography and f	Network setion	ecurity Principles and	Pearson Education, Hall	Prentice	2011		
3,	David F. Ferr Kuhn, Ramas Chandramou	aiolo, D. Ri swamy li	ichard Role	ard Role-Based Access Control, Second Edition Artech House 20							
4,	Blake Dourna	aee	XML	Security			McGraw-Hill		2002		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:									
Course id:	RI53			Busir	less Information	n Systems			
Number of ECTS:	5								
Teachers:		Milosavljev	/ić R. Gordana,	Perišić R.	Branko				
Course status:		Elective							
Number of active tead	ching classe	es (weekly)							
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cl	asses:	
3	()	3		0		0		
Precondition courses									
1. Educational goal:									
Students will be able to independently analyze and model business systems, model patterns of base and architecture of business system software, implement standards of visual and functional characteristics of business applications, document and present solutions in the business information domain. Students will be capable of team work related to engineering and reengineering business information systems relying on modern information technologies and design methods.									
2. Educational outcor	2. Educational outcomes (acquired knowledge):								
Having successfully completed the course a student gains knowledge related to organization and functioning of business systems, analysis of business systems, modeling of business logic, modeling of business system data, modeling of business system software, implementation of subsystems as well as practical experience in team work on the realization of the selected business system/ subsystem. Having successfully completed the course a student is capable of independently designing a business information system in all phases of its lifecycle, application of standards in modeling and design of business information systems and standardization of visual and functional characteristics of business information system software.									
3. Course content/str	ucture:								
Notion and types of I logic. Object model Subsystems of busin Business informatior reverse engineering	ousiness sy ing of busi ess informa of system er of busines	estems. Org ness syste ntion system ncapsulation s informatic	anizational stru ms. Fundamen Is. Business app n. Management on systems.	cture and itals of bu plication s t of projec	levels of organization in usiness informatics. Hie tandards. Methods of bus t for developing busines	a business system. erarchy of business siness information system as information system	Modeling of information stems implei n. Reengine	business systems. nentation. ering and	
4. Teaching methods									
Knowledge evaluation segment of business class.	on is done informatio	continually n system. T	during the sem The project inclu	nester in t udes all p	he form of inspection ar hases of the software life	nd work on a team p ecycle. The project is	project of the s publicly de	e selected fended in	
			Knowledge e	evaluation	(maximum 100 points)				
Pre-examin	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Project			Yes	50.00	Theoretical part of the ex	am	Yes	50.00	
i		Literature							
Ord.	Author			Title		Publishe	er	Year	
1, G. Curtis, D.	Cobham	Bus	iness Information	on System	s, 4th ed.	Prentice-Hall, Londo	on	2002	
2, D. Avison, G	6. Fitzgerald	Tec	hniques, and To	s Develop ools, 3rd e	d.	McGraw-Hill, New Y	/ork	2003	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course:										
Course	id:	E2K41		Distributed	Artific	al Intelligence	and Intelligen	t Agent	S	
Number	of ECTS:	4								
Teache	rs:		Vidakovid	ć P. Milan, Sladić	S. Goran					
Course	status:		Elective							
Number	of active teac	hing classe	s (weekly	')						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:	
	3 0 3 0					0				
Precond	dition courses	•		None		•				
1. Educ	1. Educational goal:									
Student	Students learn about concepts, techniques and selected examples of application of distributed artificial intelligence and agent systems.									
2. Educational outcomes (acquired knowledge):										
Student systems	s gain knowle 3.	edge which	enables t	the implementation	on of agei	nt paradigm in the desigi	n and implementation	n of complex	software	
3. Cours	se content/stru	icture:								
Internal interage	architecture c	of intelligent ation. MAS	agent. M architectu	ulti-agent system ire. MAS software	(MAS). C e environn	communication, coordinat nent. Examples of applica	ion and negotiation ir ation.	n MAS. Lang	juages for	
4. Teac	hing methods:									
Lecture Practica nonobli exam – at least Course examin	Lectures, Computer practice. Consultations. Practical part of the course is examined in the computer laboratory where students solve obligatory tasks. Students can also do nonobligatory laboratory tasks. The task are marked. Part of the course which forms a logical whole can be taken in the form of partial exam – colloquium (2-4). Partial exam is a part of the examination. A student can take the next partial examination if he/she has achieved at least 30% of the points at the previous one. Partial examinations are taken in written form. The final examination is oral. Course grade is formed on the basis of lecture attendance, marks on the obligatory and nonobligatory tasks, success at partial examinations.									
	Knowledge evaluation (maximum 100 points)									
	Pre-examina	ation obligation	ions	Mandatory	Points	Final ex	am	Mandatory	Points	
Homew	ork			Yes	50.00	Oral part of the exam		Yes	50.00	
					Liter	ature				
Ord.	Α	Nuthor		Title Publisher Y				Year		
1,	Milan Vidako	vić	Ag	gentska okruženja	1		Zadužbina Andrejev	/ić	2007	

2, Michael Knapi, Jay Johnson Developing Intelligent Agents for Distributed Systems McGraw-Hill

1998



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	E2K42			Kno	wledge Based	Systems				
Number	of ECTS:	5									
Teacher	rs:		Konjović D.	Zora, Kovačev	vić D. Alek	ksandar					
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	3	()	3		C)	0			
Precond	lition courses		!	None		•					
1. Educa	ational goal:										
Student	s learn about (concepts, to	echniques ar	nd selected ap	plicative e	xamples of knowledge b	ased systems.				
2. Educa	ational outcom	nes (acquire	ed knowledg	e):							
Student	s gain knowle	dge which e	enables then	n to design and	l impleme	nt knowledge based syst	ems and their applica	tion.			
3. Cours	3. Course content/structure:										
Structur Impleme systems	Structure of knowledge based systems. Representation of knowledge. Deduction and conclusion. Design of knowledge based systems. Implementation of knowledge based systems. Software tools for developing knowledge based systems. Application of knowledge based systems.										
4. Teacl	ning methods:										
Lectures Practica nonoblig exam – at least Course examina	s, Computer p al part of the gatory laborat colloquium (2 30% of the po grade is forr ations and fir	ractice. Co course is ory tasks. -4). Partial ints at the ned on the nal examin	nsultations. examined ir The task are exam is a pa previous one e basis of le nation.	n the compute marked. Part art of the exam e. Partial exam ecture attenda	er laborate of the cou ination. A inations a nce, mar	ory where students solv urse which forms a logic student can take the nex re taken in written form. T ks on the obligatory an	e obligatory tasks. S al whole can be take t partial examination The final examination d nonobligatory task	Students ca n in the form if he/she has is oral. <s, success<="" td=""><td>n also do of partial achieved at partial</td></s,>	n also do of partial achieved at partial		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Comput	er excersise d	efence		Yes	45.00	Theoretical part of the ex	am	Yes	30.00		
Comput	er exercise at	tendance		Yes	5.00						
Homew	ork			Yes	5.00						
Homew	ork			Yes	5.00						
Homew	ork			Yes	5.00						
Lecture	attendance			Yes	5.00						
					Liter	ature	1				
Ord.	Ą	uthor			Title	;	Publishe	er	Year		
1,	Joseph Giar Riley	ratano,Gar	y Exp ed.	ert Systems - F	rinciples	and Programming, 3rd	PWS Publishing, B	oston, MA	1998		
2,	Peter Jacks	on	Introduction to Expert Systems, 3rd ed. Addison-Wesley 1999					1999			
3,	Rajendra Ak	erkar, Priti	Sajja Knov	vledge-Based	Systems		Jones & Bartlett Lea	arning	2010		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Table 5.2 Course specification

Course:											
Course	id:	RT52		Ded	icated	I Computer Stru	cture Design	2			
Number	of ECTS:	7									
Teache	r:		Kovačević	č V. Jelena							
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	4	C)	4		0		0			
Precond	lition courses			None		•	•				
1. Educ	ational goal:			-							
Student	s will learn abo	out the bas	ics of desig	gning dedicated	computer	systems using VHDL.					
2. Educational outcomes (acquired knowledge):											
Student	s know the bage of multiproc	asic standa cessor com	ards and te oputer stru	echnologies requ	uired for	designing dedicated com	nputer systems and a	are able to u	se VHDL		
3. Cours	se content/stru	icture:									
Design the field	using VHDL o of ISDN, ATM	f multiproce /I, SDH. De	essor comp sign based	puter structures. d on digital signa	Design ir al process	n the field of intercompute ors. Examples and practi	er communications ar cal work in the labora	id networks. atory.	Design in		
4. Teac	hing methods:										
Lecture During f	s, Tutorials, Co he term stude er practice cla	omputer pra nts attend sses.	actice, Con lectures an	sultations d computer prac	ctice class	ses. During the term stude	ents work on their exa	amination pa	per at the		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	tion obligation	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Project				Yes	30.00	Coloquium exam		No	40.00		
						Theoretical part of the ex	am	Yes	30.00		
						Practical part of the exam	n - tasks	Yes	40.00		
					Liter	ature					
Ord.	A	luthor	Title Publisher Ye				Year				
1,	B. Atlagić		Pro	ojektovanje name	enskin rač	cunarskih struktura,			2007		

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id: F	P1508				Reve	rse Engineering	and CAQ			
Number	of ECTS: 6	6	Dudal: N	1 1 1 1 1 1 1	n lladžiatavi	4 Mindu		alić D. Danita			
Teacher	S:		Budak IV	i. igoi	r, Hadzistevi	c J. Miloar	ag, Hodolic J. Janko, Vuk	elic B. Đorđe			
Number	status:		Elective								
Number	of active teach		es (weeki)	y) 			Churchurenee	anah uwanku	Otheral		
L	ectures:	Practical	classes:		Other teachi	ng types:	Study rese	arch work:	Other cla	asses:	
Desser	3	C)		3		0	, 	0		
Precond	lition courses				None						
1. Educ Masterii	Mastering the basic knowledge of the application of reverse engineering modeling and implementation of CAQ system.										
2. Educ	. Educational outcomes (acquired knowledge):										
Ability to	Ability to apply Reverse Engineering for modeling and CAQ system.										
3. Cours	se content/struc	cture:									
Interpre manufa Enginee points s quality compor digitizat	nterpretation of the concept of reverse engineering. The role and importance of reverse engineering (RE) in an integrated design and nanufacturing. The ability to integrate RE with other advanced techniques and technologies for product design RP and RT. Reverse Engineering Methodology. 3D digitizing - Definition and methods. Pre-processing of the results of 3D digitizing (filtering data-points, data- points smoothing, reducing data-points, segmentation of data-points). Surface reconstruction - generating CAD model. General aspects of quality management - CAQ systems. Control and management of computer aided processes. Computer aided quality. System components and CIM. CMM integration into different manufacturing systems. Inspection of geometrical product specifications. 3D- digitization in the product inspection. CAD-inspection and CAD-to-part inspection.										
4. Teac	ning methods:										
Lecture with cha coverer lectures	s are realized i aracteristic exa d. Acquired kn and practical	interactive amples for lowledge i classes.	ly through better u s practica	h lect nders ally a ions a	tures, labora standing of s applied in lat are held reg	tory and o subject co poratory p ularly.	computer practical classe ontent. In auditory praction practical classes using a	es. In lectures theore cal classes, characte valilable laboratory e	etical part is p eristical exer equipment. A	presented rcises are apart from	
		,			Knowledge e	valuation	(maximum 100 points)				
	Pre-examinat	tion obligat	tions		Mandatory	Points	Final e	xam	Mandatory	Points	
Exercise	e attendance	0			Yes	5.00	Written part of the exam	- tasks and theory	Yes	30.00	
Lecture	attendance				Yes	5.00	Oral part of the exam		Yes	20.00	
Term pa	aper				Yes	20.00			-		
Test					Yes	10.00					
Test					Yes	10.00					
						Liter	ature				
Ord.	Αι	uthor				Title	9	Publishe Eakultot tohničkih p	er Jauka Novi	Year	
1,	Budak, I.; Hoo	dolič, J.	R	everz	zibilno inženj	erstvo i C	AD-inspekcija - skripta	Sad		2011	
2,	Majstorović, V	/, Hodolič,	J. N	umer	ički upravljar	ne merne	mašine	Sad	lauka, Novi	1997	
3,	Budak, I.	Reverzibilno inženjerstvo (Poglavlje 2.3 u Plančak, M.: Brza izrada prototipova, modela i alata			Fakultet tehničkih n Sad	iauka, Novi	2009				
4,	4, Stević, M. Povećanje tačnosti merenja numerički upravljanih mernih mašina, edicija tehničke nauke - monografija			Fakultet tehničkih n Sad	auka, Novi	2006					
5,	Hodolič, J.; St I.; Antić, A. i d	tević, M.; E Ir.	ešić, Merna nesigurnost u industrijskoj metrologiji				Fakultet tehničkih nauka, Novi Sad		2009		
6,	Budak, I.; Hoc I.; Vukelić, Đ.	dolič, J.; Be i dr.	Bešić, Koordinatne merne mašine i CAD inspekcija Fakultet tehničkih nauka, Novi Sad					2009			
7,	7, Wego Wang Reverse Engineering: Technology of Reinvention CRC Press, Taylor and Francis Group 2010					2010					
	Gloup										



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:										
Course	id:	SEAU08		Mic	roproc	cessor Based C	ontrol Device	S		
Numbe	r of ECTS:	6								
Teache	rs:		Bojanić N	M. Dubravka, Jorg	jovanović	Ð. Nikola				
Course	status:		Elective							
Numbe	r of active tead	hing classe	es (weekly	y)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:	
	3	0)	3		C		0		
Precon	dition courses	-		None		·				
1. Educ	ational goal:									
Acquirir	Acquiring basic knowledge about microprocessor based control devices.									
2. Educational outcomes (acquired knowledge):										
Student	s learn about	technologie	es and dev	velopment trends	in the field	d of microprocessor base	d control devices.			
3. Cour	se content/stru	icture:								
Basic c critical keyboa devices	oncepts of mi sections (inte rds. Galvanic i . Architectures	croprocess rrupts, hig solation of s of industri	ors and n h speed i digital and al controll	nicrocontrollers. I inputs and outpu d analog inputs an lers. Industrial con	Memories ts,timers/ nd outputs mmunicat	and DMA controllers. M counters). Communicati s. Electromagnetic compa ion interfaces: RS485, R	licrocomputer periphonon controllers: UAR atibility and protection S422, PROFIBUS, MO	erals. Manag T, I2C, SPI. . Architectur ODBUS, CAI	gement of Displays, es of PLC NBUS.	
4. Teac	hing methods:									
Lecture	s. Laboratory	oractice. Co	onsultatior	ns.						
				Knowledge e	valuation	(maximum 100 points)		_		
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points	
Laborat	ory exercise d	efence		Yes	20.00	Oral part of the exam		Yes	30.00	
Project				Yes	30.00	-				
Test				Yes	10.00	_				
rest				Yes	10.00					
					Liter	ature				
Ord.	A	Nuthor		I Itle Publisher Yea				Year		
1,	Milan Prokin		M	Mikroprocesorska elektronika Akademska misao 2003						



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	SEAU09		S	oftwar	e design of SCA	ADA systems				
Number	of ECTS:	5									
Teacher	rs:		Čapko Lj.	. Darko, Erdeljan	M. Aleksa	andar					
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly	')							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cl	asses:		
	3	()	3		0		0			
Precond	lition courses			None							
1. Educa	ational goal:										
The goa	The goal of the course is to acquire the necessary knowledge for software development of SCADA systems.										
2. Educa	ational outcom	nes (acquire	ed knowle	dge):							
The acq	uired knowled	lge can be	used to so	olve practical eng	ineering p	roblems of design and im	plementation of SCA	DA systems.			
3. Cours	se content/stru	icture:									
Archited systems subsyst	ture design of ; Real-time da em; Design of	Superviso atabase de subsysten	ry Control sign; Desi ns used fo	and Data Acquis ign of componen or batch control, r	ition (SCA ts for alar eporting,	ADA) systems; Design of on m and event processing; and distributed computat	components for data a User Interface Desig ions; Design of integ	acquisition ir n; Design of ration compo	industrial historical onents.		
4. Teacl	ning methods:										
Teachin practice	g is conducted	d through le	ectures an	nd computer exer	cises. Du	ring the exercises the stu	dent is required to ap	oply their kno	wledge in		
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Project	task			Yes	30.00	Oral part of the exam		Yes	30.00		
Test				Yes	10.00				-		
Test Yes 10.00											
Test				Yes	10.00						
Test				Yes	10.00						
					Liter	ature					
Ord.	А	uthor			Title	9	Publishe	er	Year		
1,	1. Davi Baliev Practical SCADA for Industry Newnes 2003						2003				



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:									
Course	id:	E2I40				Database Syst	ems		
Number	of ECTS:	4							
Teache	1		Luković S.	Ivan					
Course	status:		Elective						
Number	of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:
	3	C)	3		0		0	
Precond	lition courses								
1. Educ	ational goal:								
Advanc of DB a	ed education on nd information	of students system de	in the field evelopment	of databases (I	OB), with a	a possibility of their easy	involvement in indus	stry projects in	n the field
2. Educ	ational outcom	es (acquire	ed knowled	ge):					
Acquirir models	ig knowledge and special a	and skills i pplications	necessary f of databas	for the applications se systems. Lea	on of spe arning DB	cial techniques of DB de server programming tec	sign. Acquiring know hniques.	/ledge about	new data
3. Cours	se content/stru	cture:							
Common concepts and desirable characteristics of data models. Classification and types of data model constraints. Formal specification of DB constraints. Advanced capabilities of SQL in specifying database schemas and data manipulation. Server programming techniques (programming at the level of a DBMS). Techniques of automated design and integration of DB schema. Object-oriented and Object-Relational databases. XML databases. Temporal databases.									
4. Teachin Teachin teaching active p	ning methods: g is performed process, stud articipation in	d through le dents are c the whole	essons, ora onstantly m lecturing p	I and computer notivated to an in rocess. The pre	exercises ntensive c erequisite	s (in the computer classro liscussion, problem orien to enter final exam is to	oom), as well as cons ted reasoning, indep complete all the pre-	sultations. Th endent study -exam assign	rough the work and ments by
earning	at least 50 pc	mus.		Knowledge	valuation	(maximum 100 points)			
	Pre-examina	tion obligation	tions	Mandatory	Points	(maximum roo points) Final e	xam	Mandatory	Points
Comple	x exercises	literi ebliga		Yes	10.00	Oral part of the exam	Adm	Yes	30.00
Comple	x exercises			Yes	10.00				
Exercise	e attendance			Yes	5.00				
Project				Yes	30.00				
Project	task			Yes	15.00				
					Liter	ature	-		
Ord.	A	uthor			Title	<u>;</u>	Publish	er	Year
1, Date C. J. An Introduction to Database Systems Addison Wesley 2						2004			
2, Ramakrishnan R., Gehrke J. Database Management Systems Mc Graw Hill							2000		
3,	Govedarica N	κονις ι., <i>Ι</i> .	Prin	ncipi projektovar	nja baza p	odataka	FTN Izdavaštvo		2004
4,	Groff, James Paul N Opr	R., Weinbook	sinberg, SQL: The Complete Reference, 3rd Edition McGraw-Hill, Inc. 2009						2009
5,	Feuerstein St	teven, Prib	Oracle PL/SQL Programming: Covers Versions byl Bill Through Oracle Database 11g Release 2 (Animal Guide) O'Reilly Media, Inc. 2009						
	Guide)								



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UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:									
Course id:	E2I41			Inform	ation System E	ngineering			
Number of ECTS:	5								
Teachers:	L	uković S. Iv	an, Mitrović N	A. Slavica					
Course status:	E	Elective							
Number of active teac	hing classes	(weekly)							
Lectures:	Practical c	lasses:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:	
3	0		3		0		0		
Precondition courses									
1. Educational goal:									
Students gain genera business systems, as information system d development process CMMI as an approac	l knowledge s well as the levelopment . Understan h to busines	and specific application and mana ding a role s performation	c skills for und n of basic ma ging their de of informatio nce improver	derstandin anagers' to velopmer n systems nents.	g the significance, esser echniques in managing it process. Application o in the organization sys	nce, approaches and these systems. Add of CASE tools in the tem process improve	process of o opting the me information ement. Under	rganizing ethods of n system rstanding	
2. Educational outcom	es (acquired	l knowledge):						
Students gain genera functional structure, a and skills are directly development.	al knowledg s well as sol applicable	e and spec lving practic in the profe	ific skills to t al organizations ssional work	become co onal proble in industry	ompetent for: the analysems during the work in b practice, as well as in c	sis of business syst usiness systems. Th complex projects of t	em processe le acquired kr he informatio	es and its nowledge n system	
3. Course content/structure:									
functional and organi motivation and team management and imp planning, coordinatior system effectiveness architecture. Informa planning and BSP m	zation struc work. infra- rovement of and control . CMMI as a tion system ethod. Struc	tures of bus structure r work proces of operatio model of b developme cture syste	siness syster esources of s and busine ns. Business pusiness proc ent process. I m analysis.	ns. Huma business ss perform plans. Pro ess impro Life Cycle	n resources in business systems – capacity an nance. E-business and pr bject management. Basic vements. Introduction to Methodology and inform	systems – character d flexibility. Method ocesses of business c characteristics and o information system mation system proc	eristics, comp ls and techn system mana indicators of ns. Informatio ess models.	betences, iques for agement - business n system Strategic	
4. Teaching methods:									
Teaching is performed teaching process, stud active participation in earning at least 30 pc	d through les dents are cor the whole le pints.	ssons, oral a nstantly mot ecturing prod	and computer ivated to an i cess. The pre	exercises ntensive d erequisite	(in the computer classro iscussion, problem orien to enter final exam is to	oom), as well as cons ted reasoning, indep complete all the pre-	sultations. Thi endent study exam assign	rough the work and ments by	
			Knowledge e	evaluation	(maximum 100 points)		1	-	
Pre-examina	tion obligatio	ons	Mandatory	Points	Final ex	kam	Mandatory	Points	
Complex exercises			Yes	5.00	Oral part of the exam		Yes	30.00	
Complex exercises			Yes	5.00					
Complex exercises			Yes	5.00					
Project			Yes	50.00					
				Litera	ature				
Ord. A	uthor			Title		Publishe	er	Year	
1, Zelenović, M. D. Tehn predu			ologija organiz zeća	zacije indu	strijskih sistema -	FTN , Novi Sad		2005	
2, Byars, L. L. Con			epts of strate	gic manag	ement	Harper Collins Put York	lishers, New	1992	
3, Maksimović, M. R. Složenost i fleksibilnost struktura inc			ura industrijskih sistema	strijskih sistema FTN , Novi Sad		2003			
4, Minajlović Dragan Informacioni sistemi i projektovanje baza podataka				ovanje baza podataka	FTN, Novi Sad		1998		
5, CMMI Produ	ct Team	CMMI	for Developn	nent, Vers	ion 1.2	Engineering Institute		2006	
6, Avison David	, Fitzgerald (Guy Inform	nation System niques & Tools	is Develop s	ment: Methodologies,	McGraw Hill, Educa	ation	2006	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	RT43		Engi	neerin	g of Computer I	Based Syster	ns			
Number	of ECTS:	5									
Teache	rs:		Kukolj D.	Dragan, Pap I. I	štvan						
Course	status:		Elective								
Number	of active tead	hing classe	es (weekly))							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:		
	3	()	3		0		0			
Precond	dition courses	-					•				
1. Educational goal:											
Student languag	Students learn about the basics of modeling and engineering of computer based systems. They will be able to design using UML formal language, realize and verify systems with emphasis on mobile/service robots.										
2. Educational outcomes (acquired knowledge):											
Knowledge about the procedures and tools for modeling, design and realization of computer based systems.											
3. Cours	se content/stru	icture:									
Introduc time. Ba compor activitie Modellin languag and traf	ction. Fundam asic methods a nents. Method s by compone ng, engineerin ges for system fic – SCADA,	entals of d and technic s of simplif ints, evalua g of techni modeling mobile and	esigning co ques of ana fication of atin of perfo ical demen from Petri d service ro	omplex control s alysis, modeling complex system ormance and avaids and specifica networks to UM obots). Methods	systems. D and devens. Archite ailabilita o ation of co L. Typical of intellige	Description of complex ph lopment of computer bas ecture and components of f the whole system. Deve omputer based systems. computer based system ent control, predictions an	ysical systems as ob ed systems. Methods of computer based so lopment cycle of con Methods of integratic s (acquisition – contr ad diagnostics in con	ijects of contr s of identifyin ystems, distri nputer based on and testing ol systems ir nputer based	rol in real g system bution of systems. g. Formal industry systems.		
4. Teac	hing methods:										
Lecture The tea attend o	s. Tutorials. Co ching is divide computer prac	omputer pr ed into two tice classe	actice. Cor blocks. In s. During t	nsultations. the first block s the second blocl	tudents af k students	ttend theoretical classes work on tasks which co	during the mornings mprise their examina	. In the aftern ation papers.	oon they		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Project				Yes	30.00	Coloquium exam		No	40.00		
						Theoretical part of the ex	am	Yes	30.00		
						Practical part of the exan	n - tasks	Yes	40.00		
					Liter	ature					
Ord.	A	wthor		Title Publisher Ye				Year			
1,	D. Kukolj		skr	skripte 20				2005			
2,	 Bašičević, Đurković, U. 	M. Dražić, Grbić	V. Praktikum iz projektovanja sistema zasnovanih na 2005								



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Course:											
Course	id:	RT46		D	SP Ar	chitecture and A	Algorithms 2				
Number	of ECTS:	4									
Teache	r:		Kovačević	V. Jelena							
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	3	()	3		0		0			
Precond	lition courses	-		None		•					
1. Educ	ational goal:										
Student	Students learn about designing algorithms for digital signal processing with emphasis on their implementation and DSP programming.										
2. Educ	2. Educational outcomes (acquired knowledge):										
Knowledge about the basic techniques of design and testing of algorithms as well as their implementation in digital signal processing processors.											
3. Cours	se content/stru	icture:									
Introduction function which a with the network or manu- integrat	ction. DSP pr al processing re realized in p m). Solving co s. Forming a l ual). Bit-exac ed circuit me	ogramming blocks. Cla programma opperation t ist of items of testing. mory. Exa	g, part two. Issification c able sequent Detween fun for verificat Forming a t mples of im	Specific chara of functional blo tial networks. W ctional blocks in tion and vector test report on f aplementation	acteristics cks into th /riting rout n digital si test for bi the basis of DSP al	s of implementation of I ose which are realize as tines adapted to a particu gnal processor and block t-exact testing. Translatii of verification items list gorithms: programming	DSP algorithms. Def digital signal process lar processor (data f is implemented in pro ing routines into asse Final writing of pro standards (IEEE, IS	termining tim ing routines a ormats and c grammable s mbler code (ogram into p SO, ITU-T, E	ne critical and those operations sequential automatic ermanent TSI,).		
4. Teac	hing methods:										
Lecture The tea attend o	s. Tutorials. Co ching is divide computer prac	omputer pra ed into two tice classe	actice. Cons blocks. In t s. During th	sultations. he first block s le second block	tudents at	tend theoretical classes work on their examinati	during the mornings on papers.	. In the after	noon they		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Homework Yes 30.00 Coloquium exam No 40							40.00				
Theoretical part of the exam						Yes	30.00				
						Practical part of the exar	n - tasks	Yes	40.00		
					Liter	ature	l .				
Ord.	A	uthor	Title Publisher				Year				
1,	V. Kovačević J. Tatić	Kovačević, M. Temerinac, Tatić Arhitekture i algoritmi DSP-a II, Skripte 2005									



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation



UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Standard 06. Programme Quality, Contemporaneity and International Compliance

The study programme Software Engineering and Information Technologies is in accordance with contemporary international scientific trends and state of the professional field and is comparable with similar programmes at higher education institutions abroad.

Software Engineering and Information Technologies study programme is formed in such a way to be complete and comprehensive and provide students with the latest scientific and professional knowledge in this field.

Software Engineering and Information Technologies study programme is comparable and coordinated with: 1.Software Engineering study programme implemented at Rochester Institute of Technology (http://www.se.rit.edu/curriculum-overview-0)

2.Software Engineering study programme implemented at Drexel University (http://drexel.edu/engineering/programs/undergrad/SoftwareEngineering/)

3.Software Engineering study programme implemented at Florida Institute of Technology (http://www.fit.edu/programs/ugrad/bs_software_engineering?name=bs_software_engineering) 4.Software Engineering study programme implemented at University of Glasgow (http://www.gla.ac.uk/undergraduate/degrees/softwareengineering/)

5.Software Engineering study programme implemented at City University – London (http://www.city.ac.uk/courses/undergraduate/software-engineering)

6.Software Engineering and Management study programme implemented at University of Goeteborg (http://www.bachelorsportal.eu/students/browse/programme/15387/software-engineering-and-management.html)

Faculty members, assistants and students have for the last two years been involved in the Campus European project. Campus Europae is an European student exchange project for studying abroad and comprises a network of 16 universities from EU and Serbia and Montenegro.



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Standard 07. Student Enrollment

Since there is a substantial demand for experts in the field of Software Engineering, both in Serbia and abroad, The Faculty of Technical Sciences, in accordance with social demands and its resources, enrolls to undergraduate academic studies of Software Engineering and Information Technologies, on budget funded and self funded studies, a certain number of students defined each year by the special decision of the Educational and Scientific Council of the Faculty of Technical Sciences.

The selection and enrolment of the applied candidates is based on their success during the previous education and entrance examination as defined by the Book of Rules on Enrolment of Students to Study Programmes.

Students from other study programmes and persons who have completed studies can enrol into this study programme. The basis for making a decision about the enrolment of the students from other study programmes or persons who have completed studies is their valid documentation containing detailed information about the content of activities and results of verification of activities student has achieved at other study programme or completed studies. The committee for evaluation (formed by all department heads participating in the realization of the study programme) evaluates all the verified activities of the prospective candidates and accepts the number of credits achieved and on that basis determines the year of studies the candidate can enroll to. The previously passed exam activities can be accepted completely, partially (committee can require a suitable addition) or can be considered inadequate.



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Standard 08. Student Evaluation and Progress

The final grade in each course included in this programme is formed by continual monitoring of students' accomplishments throughout the academic year and by passing the final examination. Students master the study programme by taking examinations and thus obtaining a certain number of ECTS credits, in accordance with the study programme. Each course within the programme is worth a certain number of ECTS credits which students obtain by successfully passing the course examination.

The number of ECTS credits is based on the quantity and quality of the work students are required to submit during a certain course and on the Faculty of Technical Sciences unique methodology for all study programmes.

Students' success in mastering a certain course is constantly monitored during classes and is expressed in points. The maximum number of points obtained in a course is 100. Students obtain points from a course through their work during classes, completion of the pre exam duties and taking the examination. The minimal number of points a student can obtain by fulfilling the course pre exam assignments during classes is 30, and the maximum is 70.

Each course at the study programme has a clear and transparent mode of obtaining points. The ways of obtaining points during the classes includes the number of points obtained on the basis of each individual activity during the classes or completing pre exam assignments and by passing the course examination. The final success of students at a course is presented with a grade from 5 (fail) to 10 (excellent). The student's grade is based on the overall number of points obtained by fulfilling pre exam duties and taking the examination, and in accordance with the quality of acquired knowledge and skills.

For students to be able to take a course examination, they have to obtain at least 55% of the overall number of points through pre exam duties during the semester. Additional requirements for taking the examination are defined separately for every course.

Student advancement during the studies is defined by the Rule book on undergraduate academic studies.



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation

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UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Standard 09. Teaching Staff

For the realization of the Software Engineering and InformationTechnologies study programme, there is the faculty staff with necessary scientific, and professional qualifications.

The number of teachers is adequate to the needs of the study programme and depends on the number of courses and the number of classes for those courses. The total number of staff members is adequate for the total number of classes at the study programme, so that a teacher has an average of 180 classes of active classes (lectures, consultations, tutorials, practice classes, etc.) a year, i.e. 6 classes a week. Of the total number of teachers, more than 80% are employed full time.

The number of assistants is adequate for the needs of the study programme. The total number of assistants at the study programme is adequate to cover total number o classes so that the assistants have an average of 300 hours of active classes a year, i.e. 10 classes a week.

The scientific and professional qualifications of the teaching staff are adequate for the educational and scientific field and the level of their duties. Each teacher has at least five references in the scientific or professional field taught at the study programme.

The size of the group for lecture classes is up to 180 students, for practice classes up to 60 students and for laboratory practice up to 20 students.

None of the teacher has more than 12 hours of classes a week. All information regarding the teaching staff and assistants (CV, appointments, references) are available to public.



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Science, arts and professional qualifications

Name and last name:					Atlagić S. Branislav				
Acad	emic title:				Associate Professor				
Nam	Name of the institution where the teacher works full time an starting date:					Faculty of Technical Sciences - Novi Sad			
Scier	ng date.	ield [.]			Computer En	nineering ar	nd Computer Communication		
Acad	emic cariee	er	Year	Institution	eeniputer <u>Li</u>	<u>gineenig</u> ui	Field		
Acad	emic title el	ection:	2011				Computer Engineering and Computer Communication		
PhD	thesis		2001	Faculty of Technical Scie	ences - Novi Sa	ad	Electrical and Computer Engineering		
Magi	ster thesis		1996	Faculty of Technical Scie	ences - Novi Sa	ad	Electrical and Computer Engineering		
Bachelor's thesis 1984 Faculty of Technical					ences - Novi Sa	ad	Electrical and Computer Engineering		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S			
ID Course name						Study pro	gramme name, study type		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1	F230	Logic I	Design of C	omputer Systems 2		(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies		
	2200	Logio	boolgir or o			(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
						(E10) Powe Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
						(E20) Com Academic	nputing and Control Engineering, Undergraduate Studies		
2	RT40	Real T	ime Softwa	re 1		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
2.	11140	rteur r				(SE0) Soft Undergrad	SE0) Software Engineering and Information Technologies, Indergraduate Academic Studies		
						(SEL) Soft Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
3	RT49A	Real T	ime Softwa	re 2		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
0.		rtouri				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
4.	ESI006	Introdu	uction to crit	ical mission software for p	oower grids	(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies		
5.	ESI009	Smart	Grid Comm	unication Protocols		(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies		
6.	ESI019	Critica	I mission so	ftware for power grids		(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies		
7.	RT58	Dedica	ated Compu	ter Structure Design 2		(SE0) Soft Master Aca	tware Engineering and Information Technologies, ademic Studies		
						(E10) Powe Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
8.	ESI025	Simula	ation of Pow	rer Greed critical mission s	systems	(ES0) Pow Studies	ver Software Engineering, Master Academic		
9.	ESI033	Advan	ced Power	Grid Communication Prote	ocols	(ES0) Pow Studies	ver Software Engineering, Master Academic		
10. DRNI02 Selected Topics in Advanced Software Architer					nitecture	(E20) Com Academic	nputing and Control Engineering, Doctoral Studies		
Rep	oresentative	reffere	nces (minim	num 5, not more than 10)					
1.	Udžbenik	"Logičk	ko projektov	anje računarskih sistema	II", V.Kovačev	ić, B.Atlagić	e, FTN 2007/2009.		
2.	M.Popovi Journal o	c, B.Atla f Softwa	agic, V.Kova are Mainten	acevic, "Case study: a ma ance and Evolution, John	intenance prac Wiley and Son	tice used wi s Ltd, March	ith real-time telecommunications software", h-April issue, 2001.		
3.	D.Kukolj, Artificial I	M.Berk ntelliger	o-Pušić, B./ nce for Engi	Atlagić, "Experimental Des neering Design, Analysis	sign of Supervis and Manufactu	sory Control Iring, 15(5)	Functions Based on Multylayer Perceptron", 2001, pp. 425-431.		

4	TAS STUR		UNIVERSITY OF N	OVI SAD		WAKNX M.				
IVE A	AND REAL	FACULTY OF TECHNICAL SCI	IENCES 21000 NOV	'I SAD, TRG DOS	ITEJA OBRADOVIĆA 6	STATE				
NO. NE		Study F	Programme	Accreditat	ion	Con				
.01	LANTER	UNDERGRADUATE ACADEMIC	STUDIES Softwar	e Engineering and	Information Technologies	HO				
Re	Representative refferences (minimum 5, not more than 10)									
4.	D.Kukolj, B.Atlagic, M.Petrov, "Data clustering using a re-organizing neural network", Taylor & Francis Inc., Cybernetics and Systems, An Int. Journal, Vol. 37, No. 7, 2006, pp. 779-790.									
5.	Generalizo	vani akviziciono upravljački sistem -	GAUS							
6.	B.Atlagic, M.Sagi, D.Milinkov, S.Culaja, B.Bogovac, "A way towards efficiency of SCADA infrastructure", ECBS 2012, Novi Sad 2012.									
7.	B.Atlagic, D ECBS-EER).Milinkov, M.Sagi, B.Bogovac, "Hig C 2011, Bratislava.	h-Performance Netv	vorked SCADA Ar	chitecture For Safety-Critica	l Systems",				
8.	B.Atlagic, V XIV Interna	Mihić, T.Maruna, "A Methodology tional Conference on Systems Scie	for Specification and ince, Wroclav 2001.	Development of	Control Code in Industrial DO	CS Application",				
9.	B.Atlagic, N IEEE Work	I.Sagi, D.Milinkov, B.Bogovac, S.C. shop on Model-Based Developmen	ulaja, "Model-based t for Computer-Base	approach to the D d Systems, Novi \$	evelopment of SCADA appli Sad 2012.	ications" , The 9th				
10.	 B.Atlagic, D.Kukolj, V.Kovacevic, M.Popovic, "Application development environment of an integrated SCADA system", EUROCON 2003, Liubliana 2003. 									
Su	Summary data for teacher's scientific or art and professional activity:									
Quot	tation total :		0							
Tota	of SCI(SSCI	list papers :	3							
Curr	urrent projects : Domestic : 2 International : 1									



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Science, arts and professional qualifications

Name and last name:					Bašičević V. Ilija		
Academic title:					Assistant Pro	fessor	
Name of the institution where the teacher works full time and starting date:				acher works full time and	-		
Scier	ntific or art f	ield:			Computer En	gineering ar	nd Computer Communication
Acad	emic cariee	er	Year	Institution			Field
Acad	emic title el	ection:	2009	Faculty of Technical Scie	ences - Novi Sa	ad	Computer Engineering and Computer Communication
PhD	thesis		2009	Faculty of Technical Scie	ences - Novi Sa	ad	Computer Engineering and Computer Communication
Magi	ster thesis		2001	Faculty of Technical Scie	ences - Novi Sa	ad	Computer Science
Bach	elor's thesis	3	1998	Faculty of Technical Scie	ences - Novi Sa	ad	Computer Science
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S	
	ID	Course	e name			Study pro	gramme name, study type
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
1.	E23B	Funda	mentals of	Computer Networks 1		(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies
						(E10) Powe	er, Electronic and Telecommunication g, Undergraduate Academic Studies
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
2.	E23B1	Comp	uter Networ	k Fundamentals 2		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
3.	RT41	Interco 1	omputer Co	mmunications and Compu	iter Networks	(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies
						(SE0) Soff Undergrad	tware Engineering and Information Technologies, uate Academic Studies
4.	DRT05	Select	ed Chapters	s of Computer Communica	ations	(E20) Con Academic	nputing and Control Engineering, Doctoral Studies
	2					(OM1) Ma Studies	thematics in Engineering, Doctoral Academic
Rep	presentative	reffere	nces (minin	num 5, not more than 10)			
1.	I. Basicev Telecomr	vic, M. F nunicati	Popovic, "Us ions Profes	e of SIP in the Developme sionals", 2008, Vol. 2, Par	ent of Telecom t 3, ISSN 1447	Services - / -4739.	A Case Study", "The Journal of the Institute of
2.	I.Basicev ICNS 200	ic, M. P)7, Athe	opovic, V. k ns, Greece	Kovacevic, "Use Of Publish , June 19-23, 2007	ner-Subscriber	Design Pati	tern in Infrastructure of Distributed IDS Systems",
3.	I.Basicev 2008.	ic, M. P	opovic, D. k	Kukolj, "Comparison of SIF	P and H.323 Pr	otocols", ICI	DT 2008, Bucharest, Romania, June 29- July 5,
4.	M. Popov Francisco	ric, I.Bas o, USA,	sicevic, V.V April 14-16	rtunski, "A Task Tree Exec 2009.	cutor: New Rur	ntime for Pa	rallelized Legacy Software", ECBS 2009, San
5.	5. Bašičević I., Popović M.: Session Initiation Protocol, Encyclopedia of Internet technologies and applications, Editors Mario Freire and Manuela Pereira, IGI Global, Hershey, Pennsylvania 17033, USA, 2008, ISBN 978-1-59140-993-9					chnologies and applications, Editors Mario Freire 3N 978-1-59140-993-9	
6.	Popović N Elsevier,	И., Ваšі 2010, V	čević I.: Te ′ol. 52, No 6	st case generation for the 6, pp. 697-706, ISSN 0950	task tree type -5849	of architectu	ure, Information and Software Technology,
7.	7. Popović M., Kuprešanin I., Bašičević I.: Generic method for statistical testing of parallel programs based on task trees, Scientific Research and Essays, 2012, Vol. 7, No 11, pp. 1992-2248, ISSN 1992-2248					parallel programs based on task trees, Scientific	
8.	8. Bašičević I., Kukolj D., Popović M.: On the Application of Fuzzy-based Flow Control Approach to High Altitude Platform Communications, DOI 10.1007/s10489-009-0190-y, Applied Intelligence, 2010, ISSN 1573-7497						
9.	Popović N time, Inte	M., Baši rnationa	čević I.: Fo al Journal of	rmal verification of embed Computers, 2011, Vol. 5,	lded software b No 3, pp. 423	ased on so 430, ISSN	ftware compliance properties and explicit use of 1998-4308
10.	Bašičević Compute	I., Pop	ović M.: Op ce, 2011, Vo	perational profiles for Statis	stical Testing o N 1807-4545	f Distributio	n Management System, INFOCOMP Journal of
Sur	Summary data for teacher's scientific or art and professional activity:						



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation

Quotation total :	10				
Total of SCI(SSCI) list papers :	4				
Current projects :	Domestic :	1	International :	1	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Science, arts and professional qualifications

Name and last name:						Benka P. Pavel			
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and				ne and	Faculty of Agriculture - Novi Sad				
starting date:					01.10.2007				
Scier	ntific or art f	ield:				Geodetic Eng	ineering		
Acad	lemic cariee	er	Year	Institution				Field	
Acad	lemic title el	ection:	2012	Faculty of Agricu	lture - N	Novi Sad		Geodetic Engineering	
PhD	thesis		2012	Faculty of Agricu	lture - N	Novi Sad		Biotechnic Science	
Magi	ster thesis		1997	Faculty of Civil E	ngineer	ring - Beograd		Geodesy	
Bach	elor's thesis	6	1990	Faculty of Civil E	ngineer	ring - Beograd		Geodesy	
List c	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	S		
	ID	Course	e name				Study pro	gramme name, study type	
1.	GI020	Laser	Scanning o	f Terrain and Objec	cts		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	;
2.	GI204A	Basic	cartography	,			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	;
3.	GI406A	Funda	mentals of	Remote Sensing a	nd Ima	ge Processing	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)				
1.	Damjano Univerzite	vić T., B eta u No	enka P.: C vom Sadu,	snove uređenja i z 2011, ISBN 978-8	aštite z 6-7520	zemljišne teritor I-211-0, UDK: 5	ije i poseda 28.4(497.11	u Srbiji, Novi Sad, Poljoprivredni Fakultet) 626.8(497.11)	
2.	Benka P. Interdisci	, Bulato plinary r	vic V.:"Geo egional res	graphic Informatior earch - ISIRR 2003	n Syste 3, pp61	m in Irrigation \$ 4-619, Hunedo	System Man ara, Roman	agement", VIIth International Symposium ia, 2003.	
3.	Benka P. ENVIRO	, Damja - NITRA	nović T.: Po 2000, pp 7	ozemkové úpravy o 7-9, Nitra, Slovakia	estou I , 2000.	komasácie a po	osudzovanie	vplyvov na životné prostredie v Juhoslávii,	
4.	Benka P. str. 278-2	: Deforn 81, JDC	naciona me DN, Beogra	renja brane na Tisi d, 2000.	i kod N	ovog Bečeja ge	eodetskom n	netodom, Vodoprivreda br. 183-185 (2000/1-3),	,
5.	Damjano Vodoprivi	vić T., B reda br.	enka P.: Pr 183-185 (2	ostorni uticaji akun 000/1-3), str. 152-′	nulacija 159, JD	a na uređenje, k)ON, Beograd,	korišćenje i z 2000.	zaštitu poljoprivrednog zemljišta u okruženju,	
6.	Damjano Societv fo	vic T., B or Aaror	enka P.: Ca omy, Fifth	auses, conseqence Congress. Volume	es of the	e changes and 159-160. Euro	the present	state of agricultural estates in Serbia, European v for Agronomy, Nitra, Slovakia. 1998.	n
7.	Benka P. Polioprivr	, Bulato edni fak	vić V.: Dist cultet, 23 Ja	ribucija GIS podata nuar, 2008. pp. 36	aka put	em WMS serve BN 978-86-752	era za potret 0-138-0. UD	ne melioracija, 8. Melioracije 08, Novi Sad: DK: 626.8(082)	
8.	Benka P. FOR DR0 63(497.1)	, Bezda DUGHT)(51)-"54	n A., Pipers INDICES N 40.2"	ski J., Gregorič G., MAPPING, Contem	Salvai porary	A.: APPLICAT Agriculture, 20	ION OF GE(10, Vol. 59,	OSTATISTICAL INTERPOLATION METHODS No 3-4, pp. 363-370, ISSN 0350-1205, UDK:	
9.	Benka P.: Effects of restructuring of land territory by consolidation on the plot suitability for agricultural production, 1. International 9. Scientific Conference - Professional Practice and Education in Geodesy and Related Fields, Kladovo: Građevinski fakultet Univerziteta u Beogradu, 24-26 Jun, 2011, pp. 348-355, ISBN 978-86-7518-135-4. UDK: 528(082) 528-051:37.018.48(082)								
10.	10. Benka P., Radomirović D., Bezdan A., Piperski J.: Određivanje protoka otpadnih voda iz cevi pomoću fotogrametrijske metode, 10. Melioracije 10, Novi Sad: Poljoprivredni fakultet , 28 Januar, 2010, pp. 7-18, ISBN 978-86-7520-178-6, UDK: 626.8(082)								
Sur	Summary data for teacher's scientific or art and professional activity:								
Quot	Quotation total : 0								
Total	of SCI(SS	CI) list p	apers :		0				
Current projects : Domestic : 0 International :					International : 0				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Science, arts and professional qualifications

Name and last name:					Berić B. Andrijana			
Academic title:					Lecturer			
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:					04.11.2004			
Scier	ntific or art f	ield:			German			
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2010	Faculty of Technical Sci	ences - Novi S	ad	German	
Mast	er's thesis		2009	Faculty of Philology - Be	eograd		German	
Bach	elor's thesis	6	2003	Faculty of Philosophy - N	Novi Sad		German	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	F330	Germa	in Languag	e – LSP Course 1		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2.	F331	Germa	in Languag	e – LSP Course 2		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(A00) Arcl	hitecture, Undergraduate Academic Studies	
						(AS0) Sce Undergrad	enic Architecture, Technique and Design, luate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2	N 1017	Cormo				(Z01) Safety at Work, Undergraduate Academic Studies		
э.	NJUTZ	German Language – Elementary				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(G00) Civil Engineering, Undergraduate Academic Studies		
						(M20)Me Undergrad	chanization and Construction Engineering, luate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
						(M40) Teo Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
		0				(P00) Pro Studies	duction Engineering, Undergraduate Academic	
4.	NJU2L	Germa	in Languag	e – Pre-Intermediate		(S00) Trat Academic	ffic and Transport Engineering, Undergraduate Studies	
						(S01) Pos Undergrad	tal Traffic and Telecommunications, luate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	ist of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type				
			(F00) Graphic Engineering and Design, Undergraduate				
			(S00) Traffic and Transport Engineering, Undergraduate Academic Studies				
5.	NJ03Z	German Language – Intermediate	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
			(Z01) Safety at Work, Undergraduate Academic Studies				
			(Z20) Environmental Engineering, Undergraduate Academic Studies				
			(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies				
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
6.	NJ04L	German Language – Upper-Intermediate	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies				
			(Z01) Safety at Work, Undergraduate Academic Studies				
			(Z20) Environmental Engineering, Undergraduate Academic Studies				
7.	NJ05	German Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
8.	NJ06	German Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
			(E20) Computing and Control Engineering, Undergraduate Academic Studies				
			(F10) Engineering Animation, Undergraduate Academic Studies				
9.	NJ1L	German Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies				
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				
			(H00) Mechatronics, Undergraduate Academic Studies				
			(S00) Traffic and Transport Engineering, Undergraduate Academic Studies				
10.	NJT1	German Language for Engineers 1	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
			(Z20) Environmental Engineering, Undergraduate Academic Studies				
11.	SSIP22	German Language for Engineers 1	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies				
12.	NJ01Z	Nemački jezik - osnovni(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies				
13.	NJ02L	Nemački jezik - niži srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies				
14.	NJ03Z	Nemački jezik - srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies				
15.	NJ04L	Nemački jezik - napredni srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies				
16.	NJT1	Nemački jezik u tehnici 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies				
]			(110) Industrial Engineering, Undergraduate Academic Studies				
17.	NJ02L	German Language – Pre-Intermediate	(I20) Engineering Management, Undergraduate Academic Studies				
10		Cormon for Spacific Durnages	(I10) Industrial Engineering, Undergraduate Academic Studies				
ıð.	NJIIVI	German for Specific Purposes	(120) Engineering Management, Undergraduate Academic				

S	TAS STUD		UNIVERSITY OF NOVI SAD						
AN A	- DA	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI S	SAD, TRG DOSIT	EJA OBRADOVIĆA 6				
D. NEO	275 A	Study F	Programme A	ccreditatio	on	Call Hold			
1	ZANTE	UNDERGRADUATE ACADEMIC S	STUDIES Software	ngineering and I	nformation Technologies				
List o	of courses b	eing held by the teacher in the accred	lited study programme	S					
	ID	Course name	Study programme name, study type						
19.	F508	German Language for GRID 3		(F00) Graphic Engineering and Design, Master Academic Studies					
20.	nja	German Language in Architecture		(AH0) Architecture, Master Academic Studies					
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.	Prevod: I	novacije i trendovi u proizvodnji alatni	h mašina						
2.	Prevod: I	nženjerstvo mehatroničnih sistema							
3.	Prevodi z	a Pro Elektro (u toku)							
4.	Prevod: A Umgebur	Arbeitszenarien und Optimierung von Ang (u toku)	Abläufen und Steueru	ng von selbstorga	nisierenden Bionic Assemb	ly System in CIM			
Sur	Summary data for teacher's scientific or art and professional activity:								
Quotation total : 0									
Total of SCI(SSCI) list papers : 0									
Curre	ent projects	:	Domestic :	0	International :	0			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Science, arts and professional qualifications

Name and last name:					Bogdanović Ž. Vesna			
Academic title:			Senior Lecturer					
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:					15.12.1999			
Scier	ntific or art f	ield:			English			
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2009	Faculty of Technical Scie	ences - Novi Sa	ad	English	
Magi	ister thesis		2007	Faculty of Philosophy - N	Novi Sad		English	
Bach	elor's thesis	8	1999	Faculty of Philosophy - N	Novi Sad		English	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	AEJ1L	Englis	h Language	- Elementary		(A00) Arch	nitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arch	nitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	- upper intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies	
						(G00) Civi	I Engineering, Undergraduate Academic Studies	
						(M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	EJ01L	English Language – Elementary				(M40) Teo Undergrad	hnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
						(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
		Z English Language - Elementary				(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
						(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
6.	EJ01Z					(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
					(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
					(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic		
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies	
						(M20) Mea Undergrad	chanization and Construction Engineering, uate Academic Studies	
7.	EJ02L	Englisł	h Language	– Pre-Intermediate		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
		-				(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses how	a hald by the teacher in the accredited study programmes
	ע ווכוע טע נווכ נכמטווכו ווו נווכ מטטרכעונכע פנעעע טוטעומוווווכפ

	ID	Course name	Study programme name, study type
			(I10) Industrial Engineering, Undergraduate Academic Studies
	F 1007	Facility Lawrence - Decision at the	(I20) Engineering Management, Undergraduate Academic Studies
δ.	EJ02Z	English Language – Pre-Intermediate	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
	EJ04L	English Language – Upper Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
10.			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
11.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
13.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
14.	EJ3L	English Language – Advanced	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
22		English Language - ESD Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies
23.	EJIM		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies



UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type			
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies			
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies			
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies			
34.	EJIIM	English for Specific Purposes	(110) Industrial Engineering, Undergraduate Academic Studies			
			(120) Engineering Management, Undergraduate Academic Studies			
			(E20) Computing and Control Engineering, Undergraduate Academic Studies			
			(ES0) Power Software Engineering, Undergraduate Academic Studies			
			(F10) Engineering Animation, Undergraduate Academic Studies			
35.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
			(AH0) Architecture, Master Academic Studies			
			(E20) Computing and Control Engineering, Undergraduate Academic Studies			
			(ES0) Power Software Engineering, Undergraduate Academic Studies			
			(F10) Engineering Animation, Undergraduate Academic Studies			
36.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
			(AH0) Architecture, Master Academic Studies			
37.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies			
38.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
39.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies			
40.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies			
Rep	presentative	e refferences (minimum 5, not more than 10)				
1	Vesna M	arković, English in Civil Engineering, FTN Izdavaštvo, Novi	Sad. 2004.			
2	Veena Pr	ordanović Ivana Mirović Engleski jezik za grafičko ježenjor	stvo i dizain 1. FTN Izdavaštvo. Novi Sad. 2007			
2.	hone Min		ieretvo i dizejn F.T. Izdevečtvo, Novi Odu, 2007.			
<u>ع</u> .	3. Ivana Mirović, Vesna Bogdanović, Engleski jezik 2 za grafičko inženjerstvo i dizajn, FTN Izdavaštvo, Novi Sad, 2008					
4.	Vesna M	arkovic, English in Civil Engineering, drugo izdanje, FTN Izc	davastvo, Novi Sad, 2008.			
5.	University nauka, N	y of Novi Sad, Faculty of Technical Sciences, prevele: Marir ovi Sad, 2004.	na Katic, Vesna Marković, Ivana Mirović, Fakultet tehničkih			
6.	Mr Vesna	a Bogdanović, Pačvork romani Alis Voker i Toni Morison, Be	eograd: Zadužbina Andrejević, 2009, ISBN 978-86-7244-743-9			
7.	Bogdano predznan	vić Vesna, Mirović Ivana, Ličen Branislava, Kreiranje udžbe ja, Zbornik radova međunarodne konferencije Jezik struke	nika za stručni engleski jezik za studente različitog – teorija i praksa, DSJKS, Beograd, 2008: 445-454			
8.	Mirović Iv radova m	rana, Bogdanović Vesna, Ličen Branislava, Istorijat nastave eđunarodne konferencije Jezik struke – teorija i praksa, DS	stručnog engleskog jezika na FTN-u u Novom Sadu, Zbornik JKS, Beograd, 2008: 170-176			
SITAS STUDIO UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies Representative refferences (minimum 5, not more than 10) Bulatović Vesna, Gak Dragana, Bogdanović Vesna, Nastava stranih jezika na privatnom fakultetu, Zbornik radova međunarodne 9 konferencije Jezik struke - teorija i praksa, DSJKS, Beograd, 2008: 329-332 Gak Dragana, Bulatović Vesna, Bogdanović Vesna, Poređenje nastave engleskog jezika na privatnom i državnom fakultetu, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 705-712 10 Summary data for teacher's scientific or art and professional activity: Quotation total 0 Total of SCI(SSCI) list papers : 0 0 0 Current projects : Domestic : International :



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:				Bojanić M. Dubravka			
Acad	lemic title:				Assistant Pro	fessor		
Nam	e of the inst	titution v	vhere the te	eacher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad	
starti	ng date:				24.06.2003			
Scier	ntific or art f	ield:			Automatic Control and System Engineering - biomedicine			
Academic carieer Year Institution			Institution		Field			
Acad	lemic title el	lection:	2012	Faculty of Technical Science	ences - Novi S	ad	Automatic Control and System Engineering - biomedicine	
PhD	thesis		2012	Faculty of Technical Science	ences - Novi S	ad	Automatic Control and System Engineering	
Magi	ster thesis		2003	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Bach	elor's thesis	S	1998	School of Electrical Engi	ineering - Beog	jrad	Automatic Control and System Engineering	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	AU42	Techn	ical Equipm	ent for Control Systems		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
				-		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
2.	AU43	Funda	mentals of	Biomedical Engineering		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
	A1147	DSP Applications in Control Systems				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	AU47					(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
4.	AU49	Methods of Medical Image Forming and Ar			alysis	(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
5.	AUN43	Biome	dical Engin	eering Technologies		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
6.	GI007	Digital	Signal Pro	cessing in Geomatics		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
7.	BMI112	Biome	dical engine	eering in sport physiology		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
8.	BMI113	Neuro	engineering	I		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.	BMI114	Neura	l Prosthesis			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
10.	BMI122	Neuro	rehabilitatio	n		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
11.	BMI124	Syster	n Modeling	and Simulation		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
12.	BMI125	Biolog	ical Control	Systems		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
13.	E2314	Microp	processor B	ased Control Devices		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
14.	SEAU03	Real-ti	me control	algorithms		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
15.	SEAU05	DSP A	pplications	in Control Systems		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies tware Engineering and Information Technologies -	
						Loznica, U	ndergraduate Academic Studies	
16	SEALIO7	Signal	and over-	me		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
10.	SEAUU/	Signal	s anu syste	1115		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	

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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study program	ne name, study type		
17.	SEAU08	Microprocessor Based Control Devic	ces	(SE0) Software Undergraduate A	Engineering and Information Academic Studies	Technologies,	
				(SEL) Software Loznica, Underg	Engineering and Information raduate Academic Studies	Technologies -	
18.	AU503	Methods of Analysing Electrophysiol	ogical Signals	(E20) Computin Academic Studie	g and Control Engineering, N es	Master	
19.	AU504	Movement Control		(E20) Computin Academic Studie	g and Control Engineering, N es	Master	
20.	AU505	Neural Prostheses		(E20) Computin Academic Studie	g and Control Engineering, Nes	Master	
21.	AU507	Principles of Biomedical Engineering (E20) Computing and Control Engineering, Master Academic Studies					
22.	AU508	Information Flow in Medicine		(E20) Computin Academic Studie	g and Control Engineering, Nes	Master	
23.	BMIM3A	Biophysiological systems modelling		(BM0) Biomedic	al Engineering, Master Acad	lemic Studies	
24.	BMIM3C	Functional Electrical Therapy		(BM0) Biomedia	al Engineering. Master Acad	lemic Studies	
25.	SEAM01	Intelligent Control Systems		(SE0) Software Master Academi	Engineering and Information c Studies	Technologies,	
26.	SEAM04	Soft Sensors		(SE0) Software Master Academi	Engineering and Information c Studies	Technologies,	
27.	DAU007	Selected Topics in Artificial Intelligen Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies				
28.	DAU008	Selected Chapters in Signal Process Engineering	(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral		
	DALIOOO	Selected Chapters in Biomedical Ins	trumentation and	(E20) Computin Academic Studie	g and Control Engineering, [es	Doctoral	
29.	DAU009	Telemetry	(OM1) Mathema Studies	atics in Engineering, Doctora	I Academic		
Rep	presentative	e refferences (minimum 5, not more the	an 10)				
1.	Popovic-I electrical	Bijelic A., Bijelic G., Jorgovanović N., I stimulation , Artificial Organs, 2005,	Bojanić D., Popović M Vol. 29, No 6, pp. 448	., Popović D.: Mu -452, ISSN 0160-	Iti-field surface electrode for 564X	selective	
2.	Čongrada algorithm	ac V., Bojanić D., Čapko D.: Algorithm and fuzzy logic, Solar Energy, 2012,	for blinds control base Vol. 86, No 9, pp. 276	ed on the optimiza 2-2770, ISSN 003	ation of blind tilt angle using a 88-092X	a genetic	
3.	Bojanić D cerebral)., Petrovački-Balj B., Jorgovanović N. palsy, Journal of Neuroscience Metho	, Ilić V.: Quantification ds, 2011, No 198, pp.	of dynamic EMG 325-331, ISSN 0 ⁻	patterns during gait in childr 165-0270	en with	
4.	Popovic, with Para and Educ	M.B., Jorgovanovic, N., Bijelic, G., Bo Ilysis, Proc of REDISCOVER 2004 So ation in Control and Signal Processin	ojanic, D., Popovic, D. utheastern Europe, U g, June 14-16, 2004, (B., Synergistic Cc SA, Japan and Eu Cavtat, Croatia, pp	ontrol of Grasping and Relea iropean Community Worksho o 86-89.	sing In Humans op on Research	
5.	Bijelic, G Generate	., Jorgovanovic, N., Bojanic, D., Popo Grasp and Release by Surface Elect	vic-Bijelic, A., Popovic rical Stimulation, MED	, D.B., Actitrode - ICON, Ischia, Jul	- a selective Array Electrode y 31-August 5, 2004.	: A Tool to	
6.	Popovic- selective	Bijelic, A., Bijelic, G., Jorgovanovic, N electrical stimulation, Proc 8th Vienna	l., Bojanic, D., Popovic Workshop on FES, S	c, D.B., Popovic, N ep 10-13, 2004.,	<i>I</i> .B., Multi-field surface elect pp 195-198	rode for	
7.	Bojanić D Symposiu 1-4244-0	D., Petrović R., Jorgovanović N., Popo um on Neural Network Applications in 432-0	vić D.: Dyadic Wavele Electrical Engineering	ts for Real-time H , IEEE, belgrade,	eart Rate Monitoring, 8. NEL 25-27 Septembar, 2006, pp	JREL - . 133-136, ISBN	
8.	Bojanic, and Biolc	D., Popovic, D.B., "QRS detection fro gical Engineering Conference, Vienna	om an ongoing ECG re a, December, 2002.	cordings by using	dyadic wavelets", 2nd Euro	pean Medical	
9.	Bojanić D Sadu, Fa).: Razvoj ekspertnog sistema za inter kultet tehničkih nauka, januar 2012.	pretaciju elektrofiziolo	ških signala, Dokt	orska disertacija, Univerzitet	: u Novom	
10.	Bojanić [Univerzite	Dubravka, "Detekcija QRS kompleksa et u Novom Sadu, Fakultet tehničkih n	u EKG signalu korišće auka, Novi Sad, febru	enjem dyadic wav ar 2003.	elet transformacije", Magista	irska teza,	
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	Quotation total : 62						
Total	of SCI(SSC	CI) list papers :	3				
Curre	ent projects	:	Domestic :	1	International :	1	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name: Borisov A.					Borisov A. Mi	Airko		
Acad	lemic title:				Assistant Pro	fessor		
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:				01.10.2011			
Scientific or art field: Automatic					Automatic Co	ntrol and Sy	vstem Engineering - Geoinformatics	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2011	Faculty of Technical Scie	ences - Novi Sa	ad	Automatic Control and System Engineering - Geoinformatics	
PhD	thesis		2004	Faculty of Civil Engineer	ring - Beograd		Geodesy	
Magi	ster thesis		1997	Faculty of Civil Engineer	ring - Beograd		Geodesy	
Bach	elor's thesis	S	1991	Faculty of Civil Engineer	ring - Beograd		Geodesy	
List c	of courses b	eing hel	d by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	GI013	Gravin	netry			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
2.	GI019	Bathyr	netry			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
3.	GI301A	Advan	ced Geodes	Sy		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
4.	GI404A	Digital	Terrain Mo	dels		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
5.	GG99	Geosp	atial techno	logies - basics		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
6.	GI025C	Bases of mathematical cartography				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
7.	GI204A	Basic cartography				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
8.	GI209	Photogrammetry				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
9.	GI406A	Funda	mentals of I	Remote Sensing and Ima	ge Processing	 (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies 		
10.	GI501	Geopo	rtals and G	eospatial Services		(GI0) Geo	desy and Geomatics, Master Academic Studies	
11.	GI512	Multim	edia Cartog	raphy		(GI0) Geodesy and Geomatics, Master Academic Studies		
12.	GI517	Digital	Photogram	metry		(GI0) Geodesy and Geomatics, Master Academic Studies		
13.	GI518	Geode	sy in City P	lanning		(GI0) Geodesy and Geomatics, Master Academic Studies		
14.	GI602	Geode	tic astronor	ny		(GI0) Geo	desy and Geomatics, Master Academic Studies	
15.	GI534	Service	e oriented a	architecture in GIS		(GI0) Geo	desy and Geomatics, Master Academic Studies	
16.	GI535	Mathe	matical cart	ography		(GI0) Geo	desy and Geomatics, Master Academic Studies	
17.	GI540	Valuat	ion of real e	estate		(GI0) Geo	desy and Geomatics, Master Academic Studies	
18.	GI700	Geosp	atial data vi	isualization		(GI0) Geo	desy and Geomatics, Master Academic Studies	
19.	GIAU03	Remot	e Sensing a	and Computer Image Proc	cessing	(E20) Com Academic	nputing and Control Engineering, Master Studies	
20.	SDGI01	Select	ed topics in	geoinformation systems		(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
21.	SDGI06	Select	ed Chapters	s in Real Estate Cadastre		(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
22.	SDGI10	Select	ed Chapters	s in Landscape Arrangem	ent	(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
23.	SDGI1B	Selected Chapters in Cartography Projectio			ns	(GI0) Geodesy and Geomatics, Specialised Academic Studies		
24.	SDGI1C	Select	ed topics in	geospatial data visualizat	tion	(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
25.	SDGI1F	Select	ed topics in	photogrammetry		(GI0) Geo Studies	desy and Geomatics, Specialised Academic	



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Study Programme Accreditation

List o	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study program	me name, study type			
26.	SDGI2F	Selected Chapters in Digital Terrain	Models	(GI0) Geodesy a Studies	and Geomatics, Specialised	Academic		
27.	SDGI3B	3 Selected Chapters of Thematic Cartography (GI0) Geodesy and Geomatics, Specialised Academic Studies						
28.	SDGI5B	Selected Chapters in Multimedia Cartography (GI0) Geodesy and Geomatics, Specialised Academic Studies						
29.	SDGI5D	Selected Chapters in the Mass Appr	aisal of Real Estate	(GI0) Geodesy a Studies	and Geomatics, Specialised	Academic		
30.	SDGI5F	Basic topics in remote sensing and i	mage processing	(GI0) Geodesy a Studies	and Geomatics, Specialised	Academic		
31.	SDGI6A	SDGI6A Selected Chapters in Appraisal (GI0) Geodesy and Geomatics, Specialised Academic Studies Studies						
32.	2. DGI005 Selected Chapters in Contemporary Cartography (GI0) Geodesy a				and Geomatics, Doctoral Ac	ademic Studies		
33.	. DGI007 Selected Chapters in Advanced Geodesy (GI0) Geodesy and Geomatics, Doctoral Academic Studie							
Rep	Representative refferences (minimum 5, not more than 10)							
1.	1. Mirko Borisov; Problems of the Scale and Building of Topographical Data Infrastructure; Geodetski list, Vol.64 (87) No.2 June 2010							
2.	2. Govedarica M., Borisov M.: THE ANALYSIS OF DATA QUALITY OF TOPOGRAPHIC MAPS (IF 2010=0.215), Geodetski vestnik, 2011, Vol. 55, No 4, pp. 713-725, ISSN 0351-0271, UDK: 528=863							
3.	The Mod	ern architecture of GIS and Cartograp	hic key at the environ	ment of Web Map	Server			
4.	The natio	nal cartographic project in Serbia						
5.	Topograp	phic map at the scale 1:250 000 - The	first map in army of S	erbia produced ad	cording to NATO standards	;		
6.	Borisov N Technolo	<i>I</i> .: The concept GIS web portal of the gies - OTEH. Beograd. 6-7 Oktobar. 2	Military Geographical	Institute, 4. Intern	ational Scientific Conferenc	e on Defensive		
7.	Borisov N sredine u	 I.: Digitalizovane mape prostora u sis industrijskim područjima". Kosovska 	temu upravljanja hemi Mitrovica, 24-29 April,	ijskim udesima, 2. 2009, pp. 489-49	Međunarodni simpozijum " 5, ISBN 978-86-80893-23-5	Zaštita životne		
8.	Borisov M.: The development and perspectives of GIS at the scale of 1:300 000, 3. InterGEO East Conference, Beograd, 22-24 Eebruar, 2006							
9.	9. Dr Mirko Borisov, dipl. inž Razvoj GIS 2006. monografija . Zadužbina Andrejević, Beograd 86 str.							
10.	10. Borisov M.: Geodetska delatnost u Srbiji 18372012. godina, Beograd, Republički geodetski zavod, 2012, str. 98-113, ISBN 978- 86-459-0422-8							
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		0					
Tota	of SCI(SS	CI) list papers :	2					
Curre	urrent projects : Domestic : 0 International : 0							



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:				Borocki V. Jelena			
Acad	lemic title:				Assistant Pro	fessor		
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
Starti	ng uale.	ialdi			01.11.2007	votomo. Ora	anization and Management	
Academic carieer Year Institution			FIDUUCIION S	sterns, Org				
71000							Production Systems, Organization and	
Acad	lemic title el	lection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	Management	
PhD	thesis		2009	Faculty of Technical Sci	ences - Novi Sa	ad	Engineering Management	
Magi	ster thesis		1997	Faculty of Technical Scie	ences - Novi Sa	ad	Production Systems, Organization and Management	
Bach	elor's thesis	S	1993	Faculty of Technical Science	ences - Novi Sa	ad	Production Systems, Organization and Management	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E2I41	Inform	ation Syste	m Engineering		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(SE0) Soft Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
2.	EOS33	Entrep	reneurial m	anagement		(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical indergraduate Professional Studies	
3.	II1041	Innova	tion and Er	ntrepreneurship		(110) Indus Studies	strial Engineering, Undergraduate Academic	
						(I20) Engii Studies	neering Management, Undergraduate Academic	
4.	IM1005	Entrep	reneurship			(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
5.	IM1021	Develo	opmental Pr	ocesses in Company		(I20) Engii Studies	neering Management, Undergraduate Academic	
6.	IM1031	Enterp	orise's orgar	nization		(110) Industrial Engineering, Undergraduate Academic Studies		
						Studies		
7.	IM1045	Innova	ation in Ente	erprises		(120) Engineering Management, Undergraduate Academic Studies		
8.	IM1206	Innova	tion and Ch	nange Management		(I20) Engineering Management, Undergraduate Academic Studies		
9.	IM1214	Manag	gement of R	esearch and Developmer	nt	(I20) Engin Studies	eering Management, Undergraduate Academic	
10.	IM1216	Entrep	reneurship	in high technology		(I20) Engin Studies	eering Management, Undergraduate Academic	
11.	IM1217	Entrep	reneurship	and New Business Ventu	ring	(I20) Engin Studies	eering Management, Undergraduate Academic	
12.	IM1218	Model entrep	s of open in reneurship	novations and corporate		(I20) Engin Studies	eering Management, Undergraduate Academic	
13.	IM1220	Entrep	reneurial st	rategies		(I20) Engin Studies	eering Management, Undergraduate Academic	
14.	IM1222	Manag	ging intellec	tual capital of enterprise		(I20) Engin Studies	eering Management, Undergraduate Academic	
15.	EE546	Entrep	reneurship	in Electrical Engineering		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies	
16.	IMDR0S	Select and co	ed chapters	in enterprise's design, or	ganization	(112) Industrial Engineering, Specialised Academic Studie (122) Engineering Management, Specialised Academic Studies		
17.	IMDS61	Innova	tive busine	ss operations of enterprise	e	(I22) Engi Studies	neering Management, Specialised Academic	

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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	ist of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type				
18.	IMDS65	Entrepreneurship and Organizational Development	(I22) Engineering Management, Specialised Academic Studies				
19	MBA412	Strategy of Technological Innovations	(I20) Engineering Management, Specialised Professional Studies				
10.	MDA412		(IB0) Engineering Management - MBA, Specialised Professional Studies				
20		Integrated Rusiness Processes	(I20) Engineering Management, Specialised Professional Studies				
20.	NIDA4 14	Integrated Business Frocesses	(IB0) Engineering Management - MBA, Specialised Professional Studies				
01			(I20) Engineering Management, Specialised Professional Studies				
۷۱.	MBASIS		(IB0) Engineering Management - MBA, Specialised Professional Studies				
22.	IIDS19	Organizational structures	(12) Industrial Engineering, Specialised Academic Studies				
		· · · · · · · · · · · · · · · · · · ·	Studies				
23.	IM2217	Technology based Entrepreneurship	(I20) Engineering Management, Master Academic Studies				
24.	IM2219	Strategic Entrepreneurshin (M50) Energy Management, Master Acader					
		(I20) Engineering Management, Master Academic					
25.	IM2220	development	(I20) Engineering Management, Master Academic Studies				
26.	IM2221	Innovation measurement	(I20) Engineering Management, Master Academic Studies				
27.	IMDS70	Advanced topics on Innovation and Entrepreneurship	(I22) Engineering Management, Specialised Academic Studies				
28.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
29.	IMDR12	Organizational structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
30.	IMDR61	Enterprise Innovative Business	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
31.	IMDR65	Entrepreneurship and Organizational Development	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
32.	IMDR70	Advanced topics on Innovation and Entrepreneurship	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
Rep	oresentative	e refferences (minimum 5, not more than 10)					
1.	Bojović, V	/., Borocki, J., Mirosavljev, M., Radovanović J., Rašković, V	., Šenk, V., VODIČ ZA INOVATIVNE PREDUZETNIKE				
2.	Borocki, a a strategi	J., Cosic, I., Lalic, B., Maksimovic, R., Analysis of company ic approach, Strojniski vestnik - Journal of Mechanical Engir	development factors in manufacturing and service company: neering, 0039-2480, pp.55-68				
3.	Katic (Dro tehnologi	ezgic) I., Borocki J., Zekic S., Penezic N.: Entrepreneurship es education management, 2011, Vol. 6, No 4, pp. 902-907	significance in restructuring process, TTEM. Tehnics , ISSN 1840-1503				
4.	Raskovic HIGH-TE Universit	, V., Senk, V., Borocki, J., Cosic, I.: PROMOTING ENTREP CH COMPANIES IN SERBIA, Promoting Entrepreneurship y of Applied Sciences and Häme Convention Bureau, april, 2	RENEURIAL THINKING IN WOULD-BE AND EXISTING by Universities, Hämeenlinna, Finland: FINPIN, HAMK 2008, pp. 83- 90, ISBN 978-951-827-096-9.				
5.	Djakovic, Journal o	V., Andjelic, G., Borocki, J., Performance of extreme value f Business and Management, ISSN: 1993-8233	theory in emerging markets: an empirical treatment, African				
6.	Vidicki P. Scientific ISBN 978	, Borocki J., Senk V., Raskovic V.: Innovation activities in e Conference on Industrial Systems - IS, Novi Sad: Faculty o 3-86-7892-341-8, UDK: 658.5	nterprise: different models of measurement, 15. International f Technical Science, September 14-16, 2011, pp. 473-478,				
7.	Borocki J APPROA Proceedi Sad, Fac 978-86-7	., Senk V.: ANALYSIS OF INNOVATION FACTORS OF MI CH, 3. International Conference for Entrepreneurship, Innov ngs of the 3rd nternational Conference on Entrepreneurs, Iu ulty of Technical Sciences, Department of Industrial Engine 892-250-3	ICRO AND SMALL COMPANIES: A STRATEGIC vation and Regional Development ICEIRD, Novi Sad: nnovation and Regional Development - ICEIRD 2010, Novi ering and Management, 27-29 Maj, 2010, pp. 61-68, ISBN				
8.	Borocki, Conferen 2008, pp	J., Maksimovic, R.: STRATEGIC PLANNING IN A FUNCTIC ce on INDUSTRIAL SYSTEMS IS'08, Novi Sad: University 415-420, UDK: 658.5(082), ISBN 978-86-7892-135-3.	ON OF ORGANIZATIONAL INNOVATIVENESS, International of Novi Sad, Faculty of Technical Sciences, 02-03. October,				

3	TAS STU		UNIVERSITY OF NO	VI SAD		WAKNX H			
ALL CONTRACTOR		FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
		Study F	on	Con Con					
	LANTER	UNDERGRADUATE ACADEMIC	STUDIES Software I	Engineering and I	nformation Technologies	- R.			
Re	Representative refferences (minimum 5, not more than 10)								
9.	Borocki J., AND BUSII Skoplje: Bu 4-4, UDK: (Raskovic V., Senk V.: EDUCATINO NESS AREA , 1. International Conf Isiness Start-up Centre, University " 001.896(062),005(062),005.591(062)	G WOULD-BE AND EX ference for Entreprene (Ss. Ciril and Methodiu 2),334.722(062)	KISTING HIGH- T urship, Innovatior s" - Skopje, 9-11	ECH ENTREPRENEURS IN and Regional Developmen Maj, 2008, pp. 72-77, ISBN	N THE MARKET t ICEIRD, 978-9989-2636-			
10.	0. Borocki J.: Doktorska disertacija Naziv: RAZVOJ MODELA STRATEGIJSKOG PLANIRANJA U FUNKCIJI INOVATIVNOSTI PREDUZEĆA, Novi Sad, 2009								
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:						
Quo	tation total :		0						
Total of SCI(SSCI) list papers : 3									
Curr	rent projects :		Domestic :	2	International :	1			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:				Budak M. Igor				
Acad	lemic title:				Assistant Pro	fessor		
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad	
starti	ng date:				06.09.2001			
Scier	ntific or art f	ield:			Metrology, Qi	uality, Fixtur	es and Ecological-Engineering Aspects	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2010	Faculty of Technical Scie	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
PhD	thesis		2009	Faculty of Mechanical E	ngineering - Ljı	ubljana	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
Magi	ster thesis		2004	Faculty of Technical Scie	ences - Novi S	ad	Mechanical Engineering	
Bach	elor's thesis	8	1998	Faculty of Technical Scie	ences - Novi S	ad	Mechanical Engineering	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	IA018	3D Dig	gitalization N	lethods		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
2.	P1401	Fixture	e Design an	d Measuring Machines		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
3.	P1508	Revers	se Engineer	ing and CAQ		(SE0) Soff Undergrad	ware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
						(M40) Tec	hnical Mechanics and Technical Design,	
4.	P209	Measu	irements an	d Quality		(P00) Proc	duction Engineering, Undergraduate Academic	
5.	P306	Fixtures				(P00) Proc	duction Engineering, Undergraduate Academic	
						(720) Envir	ronmontal Engineering, Lindergraduate Academic	
6.	Z207	Mecha	inical Engin	eering in Environmental E	ingineering	Studies		
1.	Z207A	Mecha	inical Engin	eering in Environmental E	ngineering	(201) Safe	ety at Work, Undergraduate Academic Studies	
8.	Z301	Polluti	on Measure	ment and Control		(201) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic		
9.	Z416	EMS S	Systems			(Z20) Envir	ronmental Engineering, Undergraduate Academic	
10.	ZRI441	Materi	al handling	systems for environmenta	I and labor	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
11.	Z416	EMS s	iistemi(unet	i naziv na engleskom)		(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
12.	BM119D	Revers	se engineer erina	ing and rapid prototyping	in biomedical	(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
13.	P322	Introdu	uction to Pre	ecision Engineering		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
14.	ZC036	Measu	irement and	control of pollution		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
15.	P1409	Materi	al Control S	ystems and CAI		(PM0) Pro	duction Engineering, Master Academic Studies	
16.	P1501	Ecolog	gical Techno	ologies and Systems		(M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies	
						(PM0) Pro	duction Engineering, Master Academic Studies	
17.	Z416A	Enviro	nment Prote	ection System Manageme	nt	(PM0) Pro	duction Engineering, Master Academic Studies	
18.	1907	Autom	ated Assen	bly Systems for High Acc	uracy	(H00) Mec (PM0) Pro	hatronics, Master Academic Studies duction Engineering. Master Academic Studies	
19.	P321	Revers	se Enaineer	ing and Rapid Prototyping	3	(110) Indus	strial Engineering, Master Academic Studies	
20.	PIP16	Plastic	s and envir	onmental protection		(PM0) Pro	duction Engineering, Master Academic Studies	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	me name, study type				
21.	PLIS1	Logistics and Simulation in Technolo Processing	ogies of Plastics	(PM0) Productio	on Engineering, Master Acad	lemic Studies			
22.	PP103	Measurement and tools in precision	engineering	(PM0) Productio	on Engineering, Master Acad	lemic Studies			
23.	SM3	Software support for reverse engine	ering and CAQ	(PM0) Productio	on Engineering, Master Acad	lemic Studies			
24.	SZSP18	Contemporary scientific approaches assessment of products (LCA)	in life cycle	(Z00) Environm Studies	ental Engineering, Specialis	ed Academic			
25.	DM411	Contemporary Approach to Integrati Engineering of Rapid Prototyping, To Virtual Manufacturing	on of Reverse ools, Products and	(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies			
26.	DP001	Design and Research Methods in Pr	oduction	(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies			
27.	DP006	State and development trends of me fixtures	trology, quality and	(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies			
28.	DP013	Ecological Engineering Aspects		(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies			
29.	DP019	Selected topics in technical diagnosi	s	(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies			
30.	ZDH1	Modern Methods of Eco-design	(Z00) Environm Studies	ental Engineering, Doctoral	Academic				
31.	ZSP18	ZSP18 Modern Scientific Approaches in Product Life Cycle Assessment (LCA) (Z00) Environmental Engineering, Doctoral Academic Studies							
Rep	Representative refferences (minimum 5, not more than 10)								
1.	 Budak I., Vukelić D., Bračun D., Hodolič J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220 								
2.	Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone- shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593								
3.	Kosec G. Analysis,	, Nagode A., Budak I., Antić A., Kose 2011, Vol. 18, pp. 450-454, ISSN 135	c B.: Failure of the pir 50-6307	ion from the drive	e of a cement mill, Engineeri	ng Failure			
4.	Budak I., based de	Soković M., Barišić B.: Accuracy imp cision-making, MEASUREMENT, 201	provement of point data 1, Vol. 44, No 6, pp. 1	a reduction with sa 188-1200, ISSN (ampling-based methods by I 0263-2241	Fuzzy logic-			
5.	Budak I., Journal o	Hodolič J., Soković M.: Developmen f Materials Processing Technology, 2	t of a programme syste 005, Vol. 162, pp. 730	em for data-point -735, ISSN 0924-	pre-processing in Reverse E 0136	Engineering,			
6.	Jevremov manufact 2012, Vo	vić D., Puškar T., Budak I., Vukelić Đ., ure of removable partial dentures with I. 46, No 2, pp. 123-129, ISSN 1580-2	, Kojić V., Eggbeer D., n a biocompatibility an: 1949	Williams R.: An l alysis of the F75 (RE/RM approach to the desi Co-Cr SLM alloy, Materijali ir	ign and n tehnologije,			
7.	Trifković in Accura	B., Budak I., Todorović A., Hodolič J., icy Measurement of Ceramic Crowns,	Puškar T., Jevremovi Measurement Scienc	ć D., Vukelić Đ.: 7 e Review, 2012, \	Application of Replica Techn /ol. 12, No 3, pp. 90-97, ISS	ique and SEM N 1335-8871			
8.	Agarski B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodolič J.: Application of multi-criteria assessment in evaluation of 8. motor vehicles' environmental performances, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330- 3651								
9.	 Vukelić Đ., Miljanić D., Ranđelović S., Budak I., Džunić D., Erić M., Pantić M.: Burnishing process based on optimal depth of workpiece penetration (Article in press, date of acceptance 28.08.2012, Manuscript Number: MIT-45-2012), Materijali in tehnologije, 2012, ISSN 1580-2949 								
10.	10. Vukelić Đ., Tadić B., Miljanić D., Budak I., Todorović P., Ranđelović S., Jeremić B.: Novel workpiece clamping method for increased machining performance, Tehnički vjesnik-Technical Gazette, 2012, Vol. 19, No 4, pp. 837-846. ISSN 1330-3651.								
Sur	mmary data	for teacher's scientific or art and profe	essional activity:						
Quot	tation total :		25						
Tota	l of SCI(SS	CI) list papers :	20						
Curre	Current projects : Domestic : 4 International : 7								



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	e and last n	ame:			Čapko Lj. Da	rko		
Acad	lemic title:				Assistant Pro	fessor		
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	ences - Novi Sad	
starti	ng date:				25.01.1999			
Scier	ntific or art f	ield:			Automatic Co	Automatic Control and System Engineering		
Acad	lemic caries	er	Year	Institution		Field		
Acad	lemic title e	lection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
PhD	thesis		2012	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Magi	ster thesis		2002	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Bach	elor's thesis	s	1998	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Cor Academic	nputing and Control Engineering, Undergraduate Studies	
						(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
1.	E232	Svster	n Modelina	and Simulation		(M40) Teo Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
		System Modeling and Simulation				(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies	
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
2.	H213	System Modelling and Simulation 1				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						(H00) Mea	chatronics, Undergraduate Academic Studies	
3.	BMI124	Syster	n Modeling	and Simulation		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
4	F0240	Coffusion design for COADA suctores				(E20) Computing and Control Engineering, Undergraduate Academic Studies		
4.	L2312	Soliwa	are design in	or SCADA systems		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
5.	ESI013	Multi-t	ier applicati	ons development in powe	r systems	(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
6.	ESI020	Data s	tructures ar	nd algorithms in power sys	stems	(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
7.	SEAU02	SCAD	A Software			(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
	0541100	Coffu	un denime e			(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
0.	SEAUU9	SOILWA	are design d	SCADA Systems		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(E20) Cor Academic	nputing and Control Engineering, Master Studies	
9.	AU502	Distrib	uted Contro	ol Systems		(MR0) Me Academic	asurement and Control Engineering, Master Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication ng, Master Academic Studies	
10.	BMIM3D	Develo	opment of ir	ntegrated biomedical syste	ems	(BM0) Bio	medical Engineering, Master Academic Studies	
11.	E2533	Discre	te event sin	nulation		(E20) Cor Academic	nputing and Control Engineering, Master Studies	
	F0505	Softwa	are Algorithr	ns in Supervisorv Control	and Data	(E20) Cor Academic	nputing and Control Engineering, Master Studies	
12. E2535		Sonware Algorithms in Supervisory Contro Acquisition Systems				(E10) Pow Engineerin	er, Electronic and Telecommunication ng, Master Academic Studies	





UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	ne name, study type				
13.	ESI024	Applied algorithms in power systems	3	(ES0) Power So Studies	ftware Engineering, Master	Academic			
14.	ESI034	Multi-tier applications development in	n Smart Grids	(ES0) Power Sc Studies	ftware Engineering, Master	Academic			
15.	SEAM06	Integration of Distributed Control Sys	stems	(SE0) Software Master Academi	Engineering and Informatior c Studies	n Technologies,			
16.	DAU006	Selected Chapters in Modeling and S Dynamic Systems	elected Chapters in Modeling and Simulation of (E20) Computing and Control Engineering, Doctoral Academic Studies						
17.	DAU018	8 Selected Chapters in Distributed Control Systems (E20) Computing and Control Engineering, Doctoral Academic Studies							
18.	ZRD25A	RD25A Selected chapters from Artificial Ingeligence (Z01) Safety at Work, Doctoral Academic Studies							
Rep	oresentative	refferences (minimum 5, not more th	an 10)						
1.	 Vukmirović S., Erdeljan A., Čapko D., Lendak I., Nedić N., "Optimization of workflow scheduling in Utility Management System with hierarchical neural network", International Journal of Computational Intelligence Systems., Vol. 4, No. 4, pp. 672-679, 2011., ISSN 1875-6891 								
2.	2. Vukmirović S., Erdeljan A., Lendak I., Čapko D., "A novel software architecture for Smart Metering systems", Journal of Scientific and Industrial Research, Vol. 2010, No. 12, pp. 937-941, 2010., ISSN 0022-4456								
3.	3. Čapko D., Erdeljan A., Vukmirović S., Lendak I., "A Hybrid Genetic Algorithm for Partitioning of Data Model in Distribution Management Systems", Information technology and control, Vol. 40, No. 4, 2011., ISSN 1392-124X								
4.	Čapko D. Systems"	, Erdeljan A., Popović M., Švenda G., , Advances in Electrical and Compute	"An Optimal Initial Pa er Engineering, No. 4,	rtitioning of Large 2011., ISSN 1582	Data Model in Utility Manag 2-7445	ement			
5.	Nedić N., Workflow	Vukmirović S., Erdeljan A., Lendak I. Scheduling ", Information technology	, Čapko D., " A Geneti and control, Vol. 39, I	ic Algorithm Appro No. 4, pp. 310-316	bach for Utility Management 5, 2010., ISSN 1392-124X	System			
6.	Vukmirov electrical	ić S., Erdeljan A., Čapko D., Lendak I engineering, Vol. 107, No. 1, pp. 59-6	., "Extension of the Co 64, 2011., ISSN 1392-	ommon Informatio 1215	n Model with Virtual Meter",	Electronics and			
7.	Čapko D. Systems"	, Erdeljan A., Švenda G., Popović M., , Electronics and electrical engineerin	"Dynamic Repartition Ig, Vol. 121, No. 4, pp.	ing of Large Data 83-85,2012., ISS	Model in Distribution Manag N 1392-1215	jement			
8.	Vukmirov Networks	ić S., Erdeljan A., Lendak I., Čapko D ", Journal of Applied Research and Te	., "Optimal Workflow S echnology, Vol. 10, No	Scheduling in Criti b. 2, pp. 114-121,	cal Infrastructure Systems w 2012., ISSN 1665-6423	ith Neural			
9.	Vukmirov ROUMAI	ic, Srdjan; Erdeljan, Aleksandar; Lenc NE DES SCIENCES TECHNIQUES-S	dak, Imre; Capko, Darl SERIE ELECTROTEC	ko: Unifying the C HNIQUE ET ENE	ommon Information Model (RGETIQUE 2012 57 (3):30	CIM), REVUE 1-310			
10.	Velimir C optimizat	ongradac, Marta Prica, Marija Paspalj ion of blind tilt angle using a genetic a	i, Dubravka Bojanic, D Igorithm and fuzzy log	arko Capko: Algo ic,Solar Energy 8	rithm for blinds control base 6 (2012), pp 2762–2770	d on the			
Sun	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		0						
Total	otal of SCI(SSCI) list papers : 10								
Curre	Current projects : Domestic : 1 International : 0								



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name: Čc			Čongradac D. Velimir				
Acad	lemic title:				Assistant Pro	fessor		
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	ences - Novi Sad	
starti	ng date:				15.06.1998			
Scier	ntific or art f	ield:			Automatic Co	c Control and System Engineering		
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	lection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
PhD	thesis		2009	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Magi	ster thesis		2000	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Bach	elor's thesis	S	1998	Faculty of Technical Scie	ences - Novi Sa	ad	Automatic Control and System Engineering	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	AU43	Funda	mentals of	Biomedical Engineering		(BM0) Bio Studies (E20) Con Academic	medical Engineering, Undergraduate Academic nputing and Control Engineering, Undergraduate Studies	
2.	AU50	Proces	ss Control b	y Computer		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						Undergrad	luate Academic Studies	
3.	GI005	Intellig	ent Control	Systems		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
4.	Z410A	Geospatial technologies and systems				(Z20) Environmental Engineering, Undergraduate Academi Studies		
5.	Z410	Geoinformacione tehnologije i sistemi(unet engleskom)			naziv na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
6.	BMI112	Biomedical engineering in sport physiology				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
7.	BMI113	Neuro	engineering	I		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
8.	BMI120	Equipr disable	ment and sy ed	stems for helping the elde	erly, ill and	(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.	BMI124	Syster	n Modeling	and Simulation		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
10.	BMI125	Biolog	ical Control	Systems		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
11.	E2311	Autom	ation in sm	art office-residential buildi	ngs	(E20) Computing and Control Engineering, Undergraduate Academic Studies		
12.	EMSAU 1	Autom	atic Control	Systems in Electronics		(E10) Pow Engineerin	er, Electronic and Telecommunication Ig, Undergraduate Academic Studies	
13.	SEAU01	Nonlin	ear progran	nming and evolutionary co	omputations	(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
14.	SEAU03	Real-ti	me control	algorithms		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
15.	SEAU04	Softwa	are of BMS			(SE0) Sof Undergrad (SEL) Sof	tware Engineering and Information Technologies, luate Academic Studies tware Engineering and Information Technologies - Indergraduate Academic Studies	
16.	SEAU06	Softwa	are of Proce	ss Computers		(SE0) Sof Undergrad (SEL) Sof	tware Engineering and Information Technologies, luate Academic Studies tware Engineering and Information Technologies -	
17.	ZC037	Automation applied in the industry and build		lings	(ZC0) Cle	an Energy Technologies, Undergraduate Studies		
18.	AU514	Totally	Integrated	Automatic Control Systen	ns	(E20) Con Academic	nputing and Control Engineering, Master Studies	
19.	S054	Comp	uter Modelli	ng and Simulation		Academic Studies (S01) Postal Traffic and Telecommunications, Master Academic Studies		



SITAS STUD

UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	ist of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	ne name, study type				
20.	SEAM01	Intelligent Control Systems		(SE0) Software Master Academi	Engineering and Informatior c Studies	Technologies,			
21.	SEAM02	Adaptive and advanced control		(SE0) Software Master Academi	Engineering and Informatior c Studies	Technologies,			
22.	SEAM03	Software Algorithms in Supervisory Acquisition Systems	Control and Data	(SE0) Software Master Academi	Engineering and Informatior c Studies	Technologies,			
23.	SEAM05	Dynamic Programming, combinatori optimization	al and network	(SE0) Software Master Academi	Engineering and Informatior c Studies	Technologies,			
24.	DAU017	Selected Topics from Totally Integra Control Systems	(E20) Computin Academic Studie	g and Control Engineering, I s	Doctoral				
25.	DAU018	Selected Chapters in Distributed Co	(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral				
Rep	Representative refferences (minimum 5, not more than 10)								
1.	1. Čongradac V., Kulić F.: Recognition of the importance of using artificial neural networks and genetic algorithms to optimize chiller operation, Energy and Buildings, 2012, Vol. 47, pp. 651-658, ISSN 0378-7788								
2.	Čongrada Buildings	ac V., Jorgovanović N., Stanišić D.: A , 2012, Vol. 48, pp. 146-154, ISSN 03	ssessing the energy c 78-7788	onsumption for he	eating and cooling in hospita	ls, Energy and			
3.	Čongrada algorithm	ac V., Bojanić D., Čapko D.: Algorithn and fuzzy logic, Solar Energy, 2012,	n for blinds control bas Vol. 86, No 9, pp. 276	ed on the optimiz 2-2770, ISSN 003	ation of blind tilt angle using 88-092X	a genetic			
4.	Čongrada Buildings	ac V., Kulić F.: HVAC system optimiz , 2009, ISSN 0378-7788	ation with CO2 concer	ntration control usi	ng genetic algorithms, Energ	gy and			
5.	Čongrada 0354-983	ac V.: Control of the lighting system u 36, UDK: 621	sing a genetic algorith	m, Thermal Scier	ce, 2012, Vol. 16, No 1, pp.	237-250, ISSN			
6.	Čongrada Science,	ac V.: Business process managemen 2012, Vol. 16, No 1, pp. 269-279, ISS	t in sustainable prope N 0354-9836, UDK: 6	ty/asset manager 21	nent by using the totalobser	ver, Thermal			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		0						
Tota	of SCI(SS	CI) list papers :	6						
Current projects : Domestic : 1 International : 0						0			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Dejanović R. Igor						
Academic title:		Assistant Professor							
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starting date:			16.10.2000						
Scier	ntific or art f	ield:			Applied Com	outer Scienc	ce and Informatics		
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic title e	ection:	2012				Applied Computer Science and Informatics		
PhD	thesis		2012	Faculty of Technical Sci	ences - Novi S	ad	Computer Science		
Magi	ster thesis		2008	Faculty of Technical Sci	ences - Novi S	ad	Computer Science		
Bach	elor's thesis	S	2000	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	ogramme name, study type		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	E235	Funda Engine	mentals of learning	Information Systems and	Software	(F10) Eng Studies	ineering Animation, Undergraduate Academic		
						(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies		
	F20.40	Coffu	na Dattana	and Common anto		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
۷.	E2540	E2S40 Software Patterns and Components				(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies		
3.	ISIT08	Object oriented programming fundamentals			;	(SII) Softw Undergrad	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
4.	ISIT26	Upravljanje projektima				(SII) Softw Undergrad	II) Software and Information Technologies (Inđija), dergraduate Professional Studies		
5.	ISIT27	Osnove softverskih arhitektura				(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
6.	ISIT36	Softwa	are Develop	ment Tools		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
7.	ISIT3A	Metod	ologije i sist	emi za upravljanje IT resu	ursima	(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies		
8.	ISIT48	Tehno	logije i siste	emi za podršku korisnicima	a	(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies		
0	050000	Madal	Driver Ceff			(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
9.	3E3202	Model	Driven Son	ware Development		(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
10	656204	Advon	and Drogram			(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
10.	313204	Advanced Programming Tecnics				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
11	SES40	Softwa	are natterne	and components		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
	02040	Sonware patterns and components				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies		
						(F20) Eng	ineering Animation, Master Academic Studies		
12.	E2510	Softwa	are Configui	ration Management		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies		
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	st of courses being held by the teacher in the accredited study programmes								
	ID	Course name Study programme name, study type							
				(E20) Computing and Control Engineering, Master Academic Studies					
				(MR0) Measurer Academic Studie	ment and Control Engineerir	ng, Master			
13.	E2519	Domain-Specific Languages		(PM0) Production	on Engineering, Master Acad	emic Studies			
				(SE0) Software Master Academi	Engineering and Informatior c Studies	Technologies,			
				(E10) Power, Ele Engineering, Ma	ectronic and Telecommunica ster Academic Studies	tion			
14.	DRNI12	Selected Topics in Contemporary Sc	oftware Development	(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral			
		Methods		(F20) Engineerii	ng Animation, Doctoral Acad	emic Studies			
Rep	oresentative	refferences (minimum 5, not more the	an 10)						
1.	1. Gordana Milosavljević, Igor Dejanović, Branko Perišić: Brz razvoj adaptivnih poslovnih informacionih sistema, Yu Info, Kopaonik: 11-14 mart, 2007								
2.	2. *****Dejanović I., Perišić B., Milosavljević G.: Implementacija XText DSL-a uz oslonac na arpeggio parser, YU Info 2011 (CD), 6 pages								
3.	Dejanovio Specific L	ć I., Tumbas Živanov M., Milosavljević .anguage, 14. Advances in Databases	G., Perišić B.: Compa and Information Syst	arison of Textual a ems, Novi Sad, 2	and Visual Notations of DON 0-24 Septembar, 2010, pp. 2	MLite Domain- 20-24			
4.	Milosavlje 14. Adva	ević G., Dejanović I., Perišić B., Milosa nces in Databases and Information Sy	avljević B.: UML Profi vstems, Novi Sad, 20-2	le for Specifying l 24 Septembar, 20	Jser Interfaces of Business 10, pp. 77-94	Applications,			
5.	*****Milos Symposiu oldenburg	savljević G., Dejanović I., Perišić B.: F um@MODELS 2011: Software Modeli g.de/documents/olnse-2-2011-EduSyr	Ready for the industry: ng in Education, page np.pdf	A practical appro s 31-40, Wellingto	ach to teaching mde. In 7th on, New Zealand, www.se.ur	Educators ni-			
6.	Dejanovi	ć I., Perišić B., Milosavljević G.: Arpeg	ggio: pakrat parser inte	erpreter, 16. YU IN	NFO, Kopaonik, 1-8 Mart, 20	10			
7.	Dejanovio projekata	ć I., Milosavljević G., Tumbas Živanov , 15. YU INFO, Kopaonik, 1-8 Mart, 20	M., Perišić B.: Primer	na savremenih tel	hnika razvoja softvera u izra	di studentskih			
8.	Dejanovio Kopaonik	ć I., Milosavljević G., Perišić B.: Upore ., 1-8 Mart, 2005	edni prikaz dva popula	irna MDSD/MDA a	alata otvorenog koda ,13. ১	′U INFO,			
9.	Perišić B. Compute	., Milosavljević G., Dejanović I., Milosa r Science and Information Systems (C	avljević B.: UML Profil ComSIS), 2011, Vol. 8,	e for Specifying U No 2, pp. 405-42	Iser Interfaces of Business A 6, ISSN 1820-0214	opplications,			
10.	Dejanovi Database	ć I., Milosavljević G., Tumbas Živanov Applications, Computer Science and	M., Perišić B.: A Don Information Systems	nain-Specific Lang (ComSIS), 2010,	guage for Defining Static Str Vol. 7, No 3, pp. 409-440, IS	ucture of SN 1820-0214			
Sun	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		0						
Total	of SCI(SS	וט) list papers :	0 Demostie						
Curre	Current projects : 0 International : 0								



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Doroslovački D. Rade					
Academic title:			Full Professor					
Nam	e of the ins	titution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.10.1978			
Scier	ntific or art f	ield:			Mathematics			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2000	Faculty of Technical Sci	ences - Novi S	ad	Mathematics	
PhD	thesis		1989	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Magi	ster thesis		1984	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesi	S	1976	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List o	of courses b	eing he	Id by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E213	Discre	te Mathema	atics and Linear Algebra		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
				0		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
2.	E101	Discrete Mathematics				(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
3.	E101A	Discre	te Mathema	atics		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	IM1523	Discrete Mathematics			(I20) Engin Studies	eering Management, Undergraduate Academic		
5.	IM1706	1706 Actuerial Mathematics			(I20) Engin Studies	eering Management, Undergraduate Academic		
6	SE0009	Discre	te Mathema	atics		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
		210010				(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
7.	0M503	Combi	inatorics an	d Graph Theory		(OM1) Ma Studies	thematics in Engineering, Master Academic	
8.	0M509	Applie	d Abstract A	Algebra		(OM1) Ma Studies	thematics in Engineering, Master Academic	
9.	0M511	Geom	etry			(OM1) Ma Studies	thematics in Engineering, Master Academic	
10.	0ML503	Combi	inatorics an	d Graph Theory		(OM1) Ma Studies	thematics in Engineering, Master Academic	
11.	0ML509	Applai	d Abstract A	Algebra		(OM1) Ma Studies	thematics in Engineering, Master Academic	
12.	0ML511	Geom	etry			(OM1) Ma Studies	thematics in Engineering, Master Academic	
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
						(I12) Indu	strial Engineering, Specialised Academic Studies	
13.	DZ01MS	Select	ed Chapter	s in Mathematics		(I22) Engi Studies	neering Management, Specialised Academic	
						(Z00) Env Studies	ironmental Engineering, Specialised Academic	
14.	OM519	Actuer	ial Mathem	atics		(OM1) Ma Studies	thematics in Engineering, Master Academic	
15.	OML519	Actuer	ial Mathem	atics		(OM1) Ma Studies	thematics in Engineering, Master Academic	



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Study Programme Accreditation

List o	List of courses being held by the teacher in the accredited study programmes								
	ID	ID Course name Study programme name, study type							
16.	D0M08	Applied Abstract Algebra		(OM1) Mathematics in Engineering, Doctora Studies	al Academic				
17.	D0M17	Combinatorics		(OM1) Mathematics in Engineering, Doctora Studies	al Academic				
18.	D0M20	Graph Theory		(OM1) Mathematics in Engineering, Doctora Studies	al Academic				
19.	D0M34	Actuarial Mathematics		(OM1) Mathematics in Engineering, Doctora Studies	al Academic				
20.	DOM31	Combinatorial Matrix Theory		(OM1) Mathematics in Engineering, Doctora Studies	al Academic				
21.	DZ01M	Selected Chapters in Mathematics	 (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (G00) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M01) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies 						
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.	R. Doros	lovački, R. Tošić and I. Stojmenović: (Generating and countin	ng triangular system, BIT: 27(1987) 18-24, Ke	obenhavn, R 54				
2.	R. Doros mathema	lovački , R . Tošić i J. Gutman: Topol tical chemistry (19) (219-228) Max- P	ogical properties of be lank-Institut fur Stranh	nzenoid systems, XXXVIII, the boundary cod lenchemije, Mulheim (1986)	le, Match in				
3.	Rade Do	roslovački: Binary Sequences without	0110, Matematički v	vesnik, Mathematical Society of Serbia, 46 (19	994), 93-98.				
4.	Rade Do	roslovački: On binary n-words with for	bidden 4-subwords, (1	997/01) Novi Sad Juornal of Mathematics.					
5.	R. Doros	lovački, J. Pantović, G.Vojvodić: Note	on Itersection of Maxi	mal Clones, (1998/02) Novi Sad, Journal of N	Mathematics.				
6.	R. Doros and Com	lovački, J. Pantović, G. Vojvodić: Clas plement, Matematički vesnik,, Mather	sification of Maps by t natical Society of Serb	heir Membership in Maximal Clones that cont ia, 51, (1999), 21-28	ain Minimum				
7.	Rade Do Mathema	roslovački, Jovanka Pantović and Gra tical Journal, 55 (130),2005, 719-72	dimir Vojvodić: One Ir 4, (R52)	terval in the Lattice of Partial Hyperclones, C	zechoslovaka				
8.	O. Bodro DIVISION	ža-Pantić, R. Doroslovački, K. Doroslo N OF A REGION INTO TWO," in Rock	ovački, AN ELEMENT vy Mountain Journal of	ARY PROOF OF A THEOREM CONCERNIN Mathematics, Vol. 37, No.5, 2007, R 52	G THE				
9.	O. Bodro Vol.35,No	ža-Pantić, R. Doroslovački, The Gutm 5.2, Februar 2004, R 51.	an formulas for algeb	aic structure count, Journal of Mathematical (Chemistrz				
10.	Ratko To Multiple \	šić, Gradimir Vojvodić, Dragan Mašul /alued Logic, An International Journal	ović, Rade Doroslovač (Journal of Multiple-V	ki, Jovanka Rosić: Two examples of relative alued Logic and Soft Computing), (1996), Vol	completeness, l. 2, pp. 67-78.				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		60						
Tota	of SCI(SS	CI) list papers :	5						
Curre	ent projects		Domestic :	0 International :	10				



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Erdeljan M. Aleksandar					
Academic title:			Associate Professor					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starti	ng date:				24.07.1989			
Scier	ntific or art f	ield:			Automatic Co	ntrol and Sy	ystem Engineering	
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2011				Automatic Control and System Engineering	
PhD	thesis		2000	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Magi	ster thesis		1993	School of Electrical Eng	ineering - Beog	jrad	Automatic Control and System Engineering	
Bach	elor's thesis	S	1989	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	E126	Syster	n Control, N	Nodeling and Simulation		(E10) Pow Engineerin	er, Electronic and Telecommunication Ig, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
	Fasa	Sustan	n Madalina	and Simulation		(M40) Tec Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
۷.	E232	Syster	n wodening			(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
						(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
3.	GI303A	Distributed Systems in Geomatics				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
4.	H213	Syster	n Modelling	and Simulation 1		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						(H00) Med	chatronics, Undergraduate Academic Studies	
5.	BMI124	Syster	n Modeling	and Simulation		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
6	E2312	Softwa	are design f	or SCADA systems		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
0.	LZUTZ	Oonwe	ine design h	or condit systems		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
7.	ESI001	Softwa	are Tools in	Power Engineering		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
8	FSI010	Basics	of control i	n nower systems		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
0.	Loio io		basics of control in power systems			(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
9.	ESI015	Distrib	uted Comp	uter Systems in Power Sy	stems	(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
10.	SEAU02	SCAD	A Software			(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
11	SFALING	Softwa	are design c	of SCADA systems		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
	027009	COILWO	a a a congri C	in content systems		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
12.	SEI002	Archite	ecture of Dis	stributed Systems in Powe	er Systems	(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	



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Study Programme Accreditation

		the file of a second different set of the	
list of courses bei	ing held by the teacher	in the accredited study	programmes

	ID	Course name Study programme name, study type					
				(E20) Computin Academic Studie	g and Control Engineering, I	Vaster	
13.	AU502	Distributed Control Systems		(MR0) Measure Academic Studie	ment and Control Engineerir	ng, Master	
				(E10) Power, Ele Engineering, Ma	ectronic and Telecommunica ster Academic Studies	tion	
14.	H301	System Modeling and Symulation		(H00) Mechatro	nics, Master Academic Stud	ies	
15.	S054	Computer Modelling and Simulation		(S01) Postal Tra Academic Studie	affic and Telecommunication	s, Master	
16.	BMIM3D	Development of integrated biomedica	al systems	(BM0) Biomedic	al Engineering, Master Acad	demic Studies	
17.	E2532	Automatic Control Systems Project N	Management	(E20) Computin Academic Studie	g and Control Engineering, I es	Vaster	
18.	E2533	Discrete event simulation		(E20) Computin Academic Studie	g and Control Engineering, I es	Vaster	
19	F2535	Software Algorithms in Supervisory (Control and Data	(E20) Computin Academic Studie	g and Control Engineering, I es	Vlaster	
10.	22000	Acquisition Systems		(E10) Power, Ele Engineering, Ma	ectronic and Telecommunica ster Academic Studies	tion	
20.	ESI030	Distributed Software Architectures for Grids	or Smart Energy	(ES0) Power So Studies	oftware Engineering, Master	Academic	
21.	SEAM06	16 Integration of Distributed Control Systems		(SE0) Software Engineering and Information Technologies Master Academic Studies			
22.	DAU006	6 Selected Chapters in Modeling and Simulation of Dynamic Systems		(E20) Computing and Control Engineering, Doctoral Academic Studies			
23.	DAU018	Selected Chapters in Distributed Cor	ntrol Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies			
24.	ZRD25A	Selected chapters from Artificial Inge	eligence	(Z01) Safety at	Work, Doctoral Academic St	udies	
Rep	oresentative	e refferences (minimum 5, not more the	an 10)				
1.	Lendak I. Math. Ap	, Erdeljan A., Popović D.: Algorithm fo pl. 61, No. 3, 715-721 (2011). ISSN 08	or cataloguing topolog 398-1221	ies in the Commo	on Information Model (CIM),	Computers	
2.	Vukmirov hierarchio 1875-688	ić S., Erdeljan A., Čapko D., Lendak I cal neural network, International Journ 3	., Nedić N.: Optimizat al of Computational Ir	ion of workflow so Itelligence Systen	cheduling in Utility Managem ns, 2011, Vol. 4, No 4, pp. 67	ent System with 72-679, ISSN	
3.	Čapko D. Systems,	, Erdeljan A., Švenda G., Popović M.: Electronics and electrical engineering	Dynamic Repartition , 2012, No 4(120), pp	ng of Large Data . 83-88, ISSN 139	Model in Distribution Manag 92-1215	ement	
4.	llić S., Vu Science,	ikmirović S., Erdeljan A., Kulić F.: Hyt 2012, Vol. 16, No S, pp. 215-224, ISS	orid Artificial Neural Ne N 0354-9836	etwork System for	Short-Term Load Forecasti	ng, Thermal	
5.	Vukmirov electrical	ić S., Erdeljan A., Čapko D., Lendak I engineering, 2011, Vol. 107, No 1, pp	.: Extension of the Co . 59-64, ISSN 1392-12	ommon Informatio 215	n Model with Virtual Meter, E	Electronics and	
6.	Čapko D. Journal o	, Erdeljan A., Popović M., Švenda G.: f Advances in Electrical and Compute	An Optimal Initial Pa r Engineering, 2011, \	rtitioning of Large /ol. 11, No 4, pp.	Datasets in Utility Managen 41-46, ISSN 1582-7445	nent Systems,	
7.	Čapko D DISTRIB 124X	, Erdeljan A., Vukmirović S., Lendak I UTION MANAGEMENT SYSTEMS, Ir	.: A HYBRID GENET iformation technology	IC ALGORITHM F and control, 2011	FOR PARTITIONING OF DA , Vol. 40, No 4, pp. 316-322	TA MODEL IN , ISSN 1392-	
8.	Vukmirov Workflow	ić S., Nedić N., Erdeljan A., Lendak I., Scheduling, Information technology a	, Čapko D.: A Genetic Ind control, 2010, Vol.	Algorithm Appro 39, No 4, pp. 310	ach for Utility Management 9)-316, ISSN 1392-124X	System	
9.	Vukmirov and Indu	ić S., Erdeljan A., Lendak I., Čapko D strial Research (JSIR), 2010, Vol. 201	.: A novel software ard 0, No 12, pp. 937-941	chitecture for Sma , ISSN 0022-4456	rt Metering systems, Journa	l of Scientific	
10.	Čapko D. Verlag, 2	, Erdeljan A., Popović M., Švenda G.: 010, str. 555-558, ISBN 978-3-642-15	An Optimal Relations	ship-Based Partiti	oning of Large Datasets, LN	CS, Springer	
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		1				
Total	of SCI(SS	ان) list papers :	9 Democifie i	2	International		
Curre	ent projects	-	Domestic :	3	international :	U	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	e and last n	ame:			Gak M. Draga	ana		
Academic title:			Lecturer	Lecturer				
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:			16.09.2009					
Scier	ntific or art f	ield:	Maar	la alte d'au	English			
Acad	emic carlee	er	Year	Institution Eaculty of Entrepreneuri	al Managemen	t - Novi	Fleid	
Acad	emic title el	ection:	2008	Sad			English	
Magi	ster thesis		2010	Faculty of Philosophy - I	Novi Sad		English and American Literature	
Bach	elor's thesis	S	2000	Faculty of Philosophy - I	Novi Sad		English	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arcl	nitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	intermediate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	⊢nglisi	n Language	e - upper intermediate		(AUU) Arcl	Intecture, Undergraduate Academic Studies	
						(M20) Me	chanization and Construction Engineering	
						Undergrad	uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	EJ01L	English Language – Elementary				(M40) Teo Undergrad	nnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
						(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
					(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
6.	EJ01Z	Englis	h Language	e - Elementary		(Z01) Safety at Work, Undergraduate Academic Studies		
						(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
					(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
					(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(M20) Me Undergrad	chanization and Construction Engineering, uate Academic Studies	
7.	EJ02L	Englisl	h Language	e – Pre-Intermediate		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
			-			(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses her	in held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
			(110) Industrial Engineering, Undergraduate Academic Studies
0	E 1027	English Language Dra Intermediate	(I20) Engineering Management, Undergraduate Academic Studies
0.	EJUZZ	English Language – Fre-Interneulate	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
		English Language – Upper Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
10.	EJ04L		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
		English Language - Elementary	(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
11.	EJ1Z		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

st of courses bein	ng held by the	teacher in the	accredited study	programmes

	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
13.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
14.	EJ3L	English Language – Advanced	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
22		English Language ESD Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies
23.	EJIVI		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
26.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
27.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	ISIT01	English Language 1	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies



UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name	Study programme name, study type						
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies						
32.	BMI80 English 1		(BM0) Biomedical Engineering, Undergraduate Academic Studies						
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies						
34.	EJIIM	English for Specific Purposes	(110) Industrial Engineering, Undergraduate Academic Studies (120) Engineering Management, Undergraduate Academic						
			Studies						
			(E20) Computing and Control Engineering, Undergraduate Academic Studies						
			(ES0) Power Software Engineering, Undergraduate Academic Studies						
			(F10) Engineering Animation, Undergraduate Academic Studies						
35.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies						
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies						
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies						
			(AH0) Architecture, Master Academic Studies						
		English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies						
	EJ2Z		(ES0) Power Software Engineering, Undergraduate Academic Studies						
			(F10) Engineering Animation, Undergraduate Academic Studies						
36.			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies						
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies						
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies						
			(AH0) Architecture, Master Academic Studies						
37.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies						
38.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies						
39.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies						
40.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies						
Rep	oresentative	e refferences (minimum 5, not more than 10)							
1.	Gak Drag	jana, Lorejn Hansberi i (afro) američka porodica, Zadužbina	a Andrejević, Beograd, 2012						
2.	Gak Drag Zbornik r	gana, Bulatović Vesna, Bogdanović Vesna, Poređenje nasta adova sa međunarodne konferencije Jezik struke: Teorija i j	ave engleskog jezika na privatnom i državnom fakultetu, praksa, Univerzitet u Beogradu, str. 705-709, Beograd, 2009.						
3.	Bulatović Vesna, Gak Dragana, Bogdanović Vesna, Nastava stranih jezika na privatnom fakultetu, Zbornik radova sa međunarodne konferencije Jezik struke: Teorija i praksa, Univerzitet u Beogradu, str.329-333, Beograd, 2009.								
4.	Bogdanović Vesna, Gak Dragana, Univerzalana simbolika na primeru afro-američke zajednice u drami Lorejn Hansberi, Sveske, broj 98, decembar , Pančevo, 2010								
5.	Gak Draç međunar	gana, Borković Bojana, Needs Analysis: A Basis of a Succe odne konferencije Jezik struke: Izazovi i perspektive, Univer	ssful Business English Course, Zbornik radova sa rzitet u Beogradu, str. 880-885, Beograd, 2011.						
6.	Bulatović radova sa	Vesna, Gak Dragana, Speaking Skills: Advantages and Pro a međunarodne konferencije Jezik struke: Izazovi i perspekt	oblems Involved When Teaching Business English, Zbornik live, Univerzitet u Beogradu, str. 235-240, Beograd, 2011.						
7.	Gak Drag Novi Sad	gana, Textbook - An Important Element in the Teaching Pro- , 2011.	cess, Metodički vidici, Filozofski fakultet Novi Sad, str.78-82,						



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation

Representative refferences (minimum 5, not more than 10)							
8.	 Gak Dragana, Questionnaire - an Instrument for Collecting Valuable Data from Teachers of Business English Courses, Zbornik radova sa međunarodne konferencije The Importance of Learning Professional Foreign Language for Communication Between Cultures, Faculty of Logistics, University of Maribor, Slovenia, 2012 						
9.	9. Mirović Ivana, Gak Dragana, Trust Me I'm an Engineer, Zbornik radova sa međunarodne konferencije The Importance of Learning Professional Foreign Language for Communication Between Cultures, Faculty of Logistics, University of Maribor, Slovenia, 2012.						
Summary data for teacher's scientific or art and professional activity:							
Quot	ation total :						
Total	of SCI(SSCI) list papers :						
Curre	ent projects :	Domestic :		International :			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Gostojić L. Stevan		
Academic title:					Assistant Professor		
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad		
starti	ng date:				01.04.2007		
Scier	ntific or art f	ield:			Applied Comp	outer Scienc	ce and Informatics
Acad	lemic cariee	er	Year	Institution			Field
Acad	lemic title el	ection:	2012	Faculty of Technical Science	ences - Novi Sa	ad	Applied Computer Science and Informatics
PhD	thesis		2012	Faculty of Technical Science	ences - Novi Sa	ad	Applied Computer Science and Informatics
Mast	er's thesis		2006	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics
List o	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	s	
	ID	Course	e name			Study pro	gramme name, study type
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
1.	E2E40	XML a	nd WEB Se	ervices		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies
	-					(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies
2.	RI41	Interne	et Software	Architectures		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
2	SE141	Intorne	t Softwara	Architacturas		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies
э.	3E141	Interne	et Soltware	Architectures		(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies
4.	ISIT12	Osnove informacionih sistema				(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies
5.	ISIT27	Osnov	Osnove softverskih arhitektura			(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies
	050400				(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
0.	3E3102	NUSQI		-5		(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies
_	050004					(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies
7.	SE2301	II Law				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies
0	E0500				(E20) Con Academic	nputing and Control Engineering, Master Studies	
0.	E2323	SUCIAI	Social Networks			(SE0) Soft Master Aca	tware Engineering and Information Technologies, ademic Studies
0	E0526	Mahila	Application	Development		(E20) Con Academic	nputing and Control Engineering, Master Studies
9.	E2530	MODILE	Application	Development		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies
10.	DRNI10	Select	ed Topics ir	n E-Government		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies
11.	DRNI18	Select	ed Topics ir	n Distributed/Mobile comp	uting	(E20) Con Academic	nputing and Control Engineering, Doctoral Studies
	(F20) Engineering Animation, Doctoral Academic Studies						ineering Animation, Doctoral Academic Studies
Rep	Representative refferences (minimum 5, not more than 10)						
1.	1. Gostojić S.: Ontological Model of Legal Norms for Creating and Using Legislation, Computer Science and Information Systems (ComSIS), 2012, ISSN 1820-0214						
2.	Gostojić S Organiza	S., Sladi tional C	ć G., Milosa omputing a	avljević B., Konjović Z.: C nd Electronic Commerce,	ontext-sensitiv 2012, Vol. 22,	e Access Co No 2, pp. 18	ontrol Model for Government Services, Journal of 34-213, ISSN 1091-9392

HSITAS STUDIO		UNIVERSITY OF NOVI SAD					
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
VN. NEOT	PLANTEN S	Study F	Programme Accreditation STUDIES Software Engineering and Information Technologies			HOR	
Re	presentative r	efferences (minimum 5, not more th	an 10)				
3.	Gostojić S., Sladić G., Milosavljević B., Konjović Z.: Flexible Access Control for Judicial Processes, 6. International Conference on 3. Methodologies, Technologies aand Tools Enabling e-Government - MeTTeG12, Beograd: Fakultet tehničkih nauka, Novi Sad, , pp. 44-55, ISBN 978-86-7892-413-2						
4.	Gostojić S. Information	, Sladić G., Milosavljević B.: Import Society Technology and Managem	ing Document Hierarc ent, Kopaonik, 7-8 Ma	hy in the Alfresco art, 2011	System, 1. International C	Conference on	
5.	Sladić G., 0 on Informat	Gostojić S., Milosavljević B., Konjovi tion Society Technology and Manag	ić Z.: Handling Structu ement, Kopaonik, 7-8	ured Data in the A Mart, 2011, pp. 7	Ifresco System, 1. Interna '8-82	tional Conference	
6.	Gostojić S. Intelligent S	, Konjović Z., Milosavljević B.: Mod Systems and Informatics (SISY), Su	eling MetaLex/CEN Co botica,	ompliant Legal Ac	cts, 8. IEEE International S	ymposium on	
7.	Arsovski S. otvorenim i	, Konjović Z., Milosavljević B., Gost zvorima, 16. YU INFO, Kopaonik, 1	ojić S.: Editori za doki -8 Mart, 2010	umente pravne re	gulative bazirani na otvore	enim standardima i	
8.	Gostojić S.	, Sladić G., Vidaković M.: Arhiviranj	e dokumenata u Alfre	sco sistemu, 15. `	YU INFO, Kopaonik, 1-8 M	lart, 2009	
9.	9. Sladić G., Milosavljević B., Gostojić S.: Digitalno potpisivanje dokumenata u Alfresco sistemu, 15. YU INFO, Kopaonik, 1-8 Mart, 2009						
10.	10. Konjović Z., Milosavljević B., Sladić G., Gostojić S.: Sistem za uprvljanje elektronskim dokumentima, 2010						
Summary data for teacher's scientific or art and professional activity:							
Quotation total :			0				
Total of SCI(SSCI) list papers : 2							
Current projects :			Domestic :	2	International :	0	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Govedarica J. Miro				
Academic title:			Full Professor				
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad				
starting date:			22.02.1994				
Scier	ntific or art f	ield:			Geodesy and	Geomatics	Engineering
Acad	lemic cariee	er	Year	Institution			Field
Acad	lemic title el	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Geodesy and Geomatics Engineering
PhD	thesis		2001	Faculty of Technical Sci	ences - Novi Sa	ad	Geoinformatics
Magi	ster thesis		1998	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics
Bach	elor's thesis	S	1987	Faculty of Civil Engineer	ring - Sarajevo		Geodesy
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S	
	ID	Course	e name			Study pro	gramme name, study type
						(E20) Con	nputing and Control Engineering, Undergraduate
1.	AU54	Geoinf	ormation S	ystems		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
2.	E241	Geosp	atial Techn	ologies		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
3.	F114	Graphi	ic applicatio	ns		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies
4.	GI003	Geosp	atial Data Ir	nfrastructure		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
5.	GI020	Laser	Scanning of	Terrain and Objects		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
6.	GI025B	Geodetic Metrology			(GI0) Geo Studies	GI0) Geodesy and Geomatics, Undergraduate Academic tudies	
7.	Gl211	Geoinformatics			(GI0) Geo Studies) Geodesy and Geomatics, Undergraduate Academic es	
8.	GI408A	Geospatial Databases			(GI0) Geo Studies)) Geodesy and Geomatics, Undergraduate Academic lies	
9.	URZP44	Application of geoinformation technology in management		n risk	(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
10.	Z410A	Geosp	atial techno	logies and systems		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic
11.	Z410	Geoinf engles	ormacione kom)	tehnologije i sistemi(uneti	naziv na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic
12.	BM119A	The ap	oplication of ns in medici	geoinformation technolog	gies and	(BM0) Bio Studies	medical Engineering, Undergraduate Academic
13.	GG99	Geosp	atial techno	logies - basics		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies
14.	GI207	GNSS	basics			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
15.	GI209	Photog	grammetry			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
16.	GI406A	Funda	mentals of I	Remote Sensing and Imag	ge Processing	(GI0) Geo Studies (SE0) Soft	desy and Geomatics, Undergraduate Academic tware Engineering and Information Technologies, uate Academic Studies
17.	ZC028	Geosp	atial techno	logies and systems		(ZC0) Clea	an Energy Technologies, Undergraduate Studies
18.	GI501	Geopo	rtals and G	eospatial Services		(GI0) Geo	desy and Geomatics, Master Academic Studies
19.	GI502	Locatio	on Based S	ervices		(GI0) Geo	desy and Geomatics, Master Academic Studies
20.	GI504	Advan	ced Technic	ques of Laser Scanning		(GI0) Geo	desy and Geomatics, Master Academic Studies
21.	GI517	Digital	Photogram	metry		(GI0) Geo	desy and Geomatics, Master Academic Studies
22.	GI518	Geode	sy in City P	lanning		(GI0) Geo	desy and Geomatics, Master Academic Studies
23.	GIAU05	Geopo	rtals and G	eoservices		(E20) Con Academic	nputing and Control Engineering, Master Studies



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses beir	ng held by the teacher i	n the accredited stud	y programmes

	ID	Course name	Study programme name, study type	
24.	GI531	Application of GNSS systems	(GI0) Geodesy and Geomatics, Master Academic Studies	
25.	GI532	Advanced Remote Sensing Technologies	(GI0) Geodesy and Geomatics, Master Academic Studies	
26.	GI534	Service oriented architecture in GIS	(GI0) Geodesy and Geomatics, Master Academic Studies	
27.	GI536	Spatial and temporal databases	(GI0) Geodesy and Geomatics, Master Academic Studies	
28.	GI540	Valuation of real estate	(GI0) Geodesy and Geomatics, Master Academic Studies	
29.	GI700	Geospatial data visualization	(GI0) Geodesy and Geomatics, Master Academic Studies	
30.	GIAU02	Position Based Services	(E20) Computing and Control Engineering, Master Academic Studies	
31.	GIAU03	Remote Sensing and Computer Image Processing	(E20) Computing and Control Engineering, Master Academic Studies	
32.	GIAU04	Geospatial data visualization	(E20) Computing and Control Engineering, Master Academic Studies	
33.	SDGI01	Selected topics in geoinformation systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
34.	SDGI06	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
35.	SDGI08	Selected topics in laser scanning	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
36.	SDGI10	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
37.	SDGI13	Selected topics in spatial data infrastructure	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
38.	SDGI1C	Selected topics in geospatial data visualization	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
39.	SDGI1F	Selected topics in photogrammetry	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
40.	SDGI3C	Selected topics in Geoportals	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
41.	SDGI5D	Selected Chapters in the Mass Appraisal of Real Estate	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
42.	SDGI5F	Basic topics in remote sensing and image processing	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
43.	SDGI6A	Selected Chapters in Appraisal	(GI0) Geodesy and Geomatics, Specialised Academic Studies	
44.	DAU011	Selected Chapters in Geographic Information Systems and Technologies	(E20) Computing and Control Engineering, Doctoral Academic Studies	
45.	DGI001	Selected Chapters in Geoinformation Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies	
46.	DGI003	Selected Chapters in Photogrammetry and Remote Sensing	(GI0) Geodesy and Geomatics, Doctoral Academic Studies	
47.	DG1006	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Doctoral Academic Studies	
48.	DGI008	Selected Chapters in Laser Scanning	(GI0) Geodesy and Geomatics, Doctoral Academic Studies	
49.	DG1009	Selected Chapters in GNSS Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies	
50.	DGI010	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Doctoral Academic Studies	
51.	DGI013	Selected Chapters in Spatial Data Infrastructure and Standardization	(GI0) Geodesy and Geomatics, Doctoral Academic Studies	
52.	DGI019	Selected Chapters in Municipal Information Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies	
Rep	oresentative	refferences (minimum 5, not more than 10)		
1.	Ristić, A. Wave Pro	, Petrovački, D., Govedarica, M.: A New Method to Simultar opagation Velocity from GPR Data, Computers & Geoscience	neously Estimate the Radius of a Cylindrical Object and the ces, 2009, Vol. 35, Broj 8, str. 1620-1630, ISSN 0098-3004	
2.	Mogin P, nauka, N	Luković I, Govedarica M, "Principi projektovanja baza poda ovi Sad,2004, ISBN: 86-80249-81-5, 700 str.	taka", II izdanje, Univerzitet u Novom Sadu, Fakultet tehničkih	
3.	Govedarica Miro, Borisov Mirko, THE ANALYSIS OF DATA QUALITY OF TOPOGRAPHIC MAPS, JOURNAL GEODETSKI VESTNIK (IF 2010 0.215) ISSN 0351-0271			

AND RUNNING RUNNING		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
NEO,	ANTEN		STUDIES Software		JII	HOBN HOBN	
Rep	presentative re	efferences (minimum 5, not more th	an 10)			-	
4.	 Miro Govedarica, Dušan Petrovački, Dubravka Sladić, Aleksandra Ristić, Dušan Jovanović, Vladimir Pajić, Milan Vrtunski, Aleksandar Ristic ENVIRONMENTAL DATA IN SERBIAN SPATIAL DATA INFRASTRUCTURE - GEOPORTAL OF ECOLOGY Journal of Environmental Protection and Ecology JEPE 2011 (IF 2010 0.178) 						
5.	Govedarica Miro, Boskovic Dubravka, Petrovacki Dusan, Ninkov Tosa, Ristic Aleksandar Metadata Catalogues in Spatial Information Systems (Review) GEODETSKI LIST. (2010), vol. 64 br. 4. str. 313-334 (IF 2009 0.167)						
6.	Jasmina Nedeljković Ostojić, Miro Govedarica, Toša Ninkov, Analysis of Structure Surveying Method by 3D Laser Scanners Geodetski list:glasilo Hrvatskoga geodetskog društva 65(88): 1: (2011) (JE 2010 0 038)						
7.	Ristić A., Abolmasov B., Govedarica M., Petrovački D., Ristić A.: Shallow-landslide spatial structure interpretation using a multi- geophysical approach, Acta Geotechnica Slovenica, 2012, Vol. 9, No 1/2012, pp. 47-59, ISSN 1854-0171						
8.	Tosa Ninkov, Miro Govedarica, Milan Trifkovic, One Method of Renewal of Stereographics Survey Data in Coka Municipality Geodetski list : glasilo Hrvatskoga geodetskog društva 66(89) (2012), 4;					a Municipality	
9.	Luković I, Mogin P, Govedarica M, Ristić S, "The Structure of A Subschema and Its XML Specification", Journal of Information and Organizational Sciences (JIOS), Varaždin, Croatia, ISSN: 0351-1804, Vol. 26, No. 1-2, 2002, pp. 69-85					of Information and	
10.	D. Govedarica M, Miladinović M: Informacioni sistema katastara nepokretnosti – Terrasoft, Geodetska služba, 2002, Vol. XXXI, No. 92, str. 16- 27, ISSN 0350-7971						
Sur	Summary data for teacher's scientific or art and professional activity:						
Quotation total :			8				
Total of SCI(SSCI) list papers :			6				
Current projects :			Domestic :	5	International :	1	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Grbić P. Tatjana						
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad				
starting date:					15.12.1995				
Scier	ntific or art f	ield:			Mathematics				
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	lection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics		
PhD	thesis		2008	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Magi	ster thesis		1999	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Bach	elor's thesis	s	1993	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es			
	ID	Cours	e name			Study pro	ogramme name, study type		
	E405	Droho		vice and Otechastic Duran		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies		
1.	E135	Proba	Sility, Statis	lics and Stochastic Proces	5565	(E10) Pow Engineerin	er, Electronic and Telecommunication Ig, Undergraduate Academic Studies		
						(E20) Cor Academic	nputing and Control Engineering, Undergraduate Studies		
2.	E212	Mathe	matical Ana	Ilysis 1		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
						(SEL) Sof Loznica, U	(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
3.	GI303B	Proba	Probability and Mathematical Statistics			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
		Mathematics 1				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
4.	Z104					(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies		
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
5.	Z203	Statistical Methods				(ZP0) Disa Undergrad	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
6.	BMI91	Mathe	matics 1			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
7.	BMI92	Mathe	matics 2			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
8.	IA001	Algebra				(F10) Eng Studies	ineering Animation, Undergraduate Academic		
9.	IA002	Mathe	Mathematical Analysis			(F10) Eng Studies	ineering Animation, Undergraduate Academic		
10.	P216	16 Numerical Analysis			(P00) Pro Studies	duction Engineering, Undergraduate Academic			
11.	S01361	Business decision making			(S01)Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies			
12.	0M505	Stocha	astic Proces	ses		(OM1) Ma Studies	thematics in Engineering, Master Academic		
13.	0ML505	Stocha	astic Proces	sses		(OM1) Ma Studies	thematics in Engineering, Master Academic		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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I		
I	List of courses have	in held by the teacher in the accredited study programmes
		וע דובוע גע נווב נבמטוובו זוז נווב מטטרבעונבע פנעעע גווטעומוזוווובפ

	ID	Course name	Study programme name, study type			
			(E11) Power, Electronic and Telecommunication			
			(112) Industrial Engineering, Specialised Academic Studies			
14.	DZ01MS	Selected Chapters in Mathematics	(122) Engineering Management, Specialised Academic Studies			
			(Z00) Environmental Engineering, Specialised Academic Studies			
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies			
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies			
17.	SDOM3 0	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies			
18.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies			
19.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies			
20.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies			
21.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies			
22.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies			
23.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies			
24.	D0M52	Random Sets	(OM1) Mathematics in Engineering, Doctoral Academic Studies			
25.	D0M53	Statistical Processing of Fuzzy Data	(OM1) Mathematics in Engineering, Doctoral Academic Studies			
		Probability, Statistics and Theory of Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies			
26	DOM30		(M40) Technical Mechanics, Doctoral Academic Studies			
20.	DOIVISU	Experiment	(200) Environmental Engineering, Doctoral Academic Studies			
			(Z01) Safety at Work, Doctoral Academic Studies			
			Engineering, Doctoral Academic Studies			
			(E20) Computing and Control Engineering, Doctoral Academic Studies			
			(F00) Graphic Engineering and Design, Doctoral Academic Studies			
			(F20) Engineering Animation, Doctoral Academic Studies			
			(G00) Civil Engineering, Doctoral Academic Studies			
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies			
27.	DZ01M	Selected Chapters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies			
			(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies			
			(M00) Mechanical Engineering, Doctoral Academic Studies			
			(M40) Technical Mechanics, Doctoral Academic Studies			
			(OM1) Mathematics in Engineering, Doctoral Academic Studies			
			(S00) Traffic Engineering, Doctoral Academic Studies			
			(Z00) Environmental Engineering, Doctoral Academic Studies			
(Z01) Safety at Work, Doctoral Academic Stud						
Rep	oresentative	e refferences (minimum 5, not more than 10)				
1.	1. Ralević, N.M., Nedović, Lj., Grbić, T., :"The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral", Fuzzy sets and systems, 2005, No.155, 89-101					



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

Representative refferences (minimum 5, not more than 10)							
2.	Nedović, Lj., Ralević, N. M., Grbić, T.,: " Large deviation principle with generated pseudo measures", Fuzzy sets and systems, 2005, No. 105, 65-76						
3.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Pseud-Riemann-Stieltjes integral ", Information Sciences 179, 2009, 2923-2933						
4.	M. Štrboja, T. Grbić, I. Štajner-Papuga, G. Grujić, S. Medić, Jensen and Chebyshev inequalities for pseudo-integrals of set-valued functions, FSS, doi:10.101016/j.fss.2012.07.011						
5.	Grbić, T., Pap, E., : "Generalization Of Portamnteau theorem with respect to the pseudo-weak convergence of random closed sets", Theory of Probability and its Applications, 2009, 97-115						
6.	T. Grbić, I. Štajner-Papuga, M. Štrboja, an approach to pseudo-integration of set-valued functions, Information Sciences 181 (2011), 2278-2292						
7.	T. Grbić, S. Medić, I. Štajner-Papuga, T. Došenović, Inequalities of Jensen and Chebyshev type for interval-valued measures based on pseudo-integrals. In: Intelligent Systems: Models and Applications, E. Pap, Ed., Springer-Verlag, pp 23-41, DOI:10.1007/978-3-642-33959-2_2						
8.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Riemann-Stieltjes type integral based on generated pseudo-operations", NS J. Mathe., Vol. 36, No. 2, 111-124						
9.	Nedović, Lj., Grbić, T., "The pseudo-probability", Journal of Electrical Engineering, 2002, Vol. 53, No. 12/s, 27-30						
10.	Mihailović, B., Nedović, T., Grbić, T., "The induced Sugeno integral-based operator w.r.t. bi-fuzzy measures", Journal of Electrical engineering, Vol. 54, No. 12/s, 76-79						
Summary data for teacher's scientific or art and professional activity:							
Quot	ation total :	17					
Total of SCI(SSCI) list papers : 6							
Curre	ent projects :	Domestic :	2	International :	0		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name: Hadžistević					Hadžistević J	J. Miodrag			
Academic title: Associate P					Associate Pro	ofessor			
Name of the institution where the teacher works full time and Faculty of					Faculty of Te	echnical Sciences - Novi Sad			
starting date: 01.					01.02.1993				
Scientific or art field:					Metrology, Qi	Metrology, Quality, Fixtures and Ecological-Engineering Aspects			
Acad	iemic cariee	er	Year	Institution			Field		
Academic title election:			2010	Faculty of Technical Sciences - Novi Sad		ad	Engineering Aspects		
PhD thesis			2004	Faculty of Technical Science	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
Magi	ster thesis		1999	Faculty of Technical Scie	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
Bach	elor's thesis	6	1992	Faculty of Technical Sci	ences - Novi S	Sad Cutting Processing Tools and Tribology			
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course name				Study programme name, study type			
1.	P1401	Fixture	e Design an	d Measuring Machines		(P00)Proo Studies	duction Engineering, Undergraduate Academic		
					(P00) Production Engineering, Undergraduate Academic Studies				
2.	P1508	Reverse Engineering and CAQ				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
	P209 Me				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies				
3.		Measurements and Quality				(P00) Production Engineering, Undergraduate Academic Studies			
4.	P306	Fixtures				(P00) Production Engineering, Undergraduate Academic Studies			
5.	URZP15	Work safety during interventions				(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
6.	Z207	Mechanical Engineering in Environmental Engine			Ingineering	(Z20) Environmental Engineering, Undergraduate Academic Studies			
7.	Z207A	Mechanical Engineering in Environmental Enginee			Ingineering	(Z01) Safety at Work, Undergraduate Academic Studies			
						(Z01) Safety at Work, Undergraduate Academic Studies			
8.	Z301	Pollution Measurement and Control				(Z20) Environmental Engineering, Undergraduate Academic Studies			
9.	Z416	EMS Systems				(Z20) Environmental Engineering, Undergraduate Academic Studies			
10.	ZR101	Introduction and Principles of Occupational			Safety	(Z01) Safety at Work, Undergraduate Academic Studies			
11.	ZR404	Occupational Safety Systems, Means and E			Equipment	(Z01) Safety at Work, Undergraduate Academic Studies			
12.	Z207	Mašinstvo u inženjerstvu zaštite životne sred naziv na engleskom)			dine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
13.	Z416	EMS sistemi(uneti naziv na engleskom)				(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
14.	IM1714	Introduction and principles of occupational o health and safety			occupational	(I20) Engineering Management, Undergraduate Academic Studies			
15.	ZC036	Measurement and control of pollution				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
16.	P1409	Material Control Systems and CAI				(PM0)Pro	duction Engineering, Master Academic Studies		
17.	P1501	Ecological Technologies and Systems				(M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies		
		-			(PM0) Production Engineering, Master Academic Studies				
18.	Z416A	Environment Protection System Management			ent	(PM0) Production Engineering, Master Academic Studies			
19.	Z452	Design and maintenance of quality control in environmental engineering			n	(M40) Teo Academic	chnical Mechanics and Technical Design, Master Studies		

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



UNIVERSITY OF NOVI SAD

Study Programme Accreditation

List of courses being held by the teacher in the accredited study programmes								
	ID	Course name Study programme			me name, study type			
20.	PLIS1	Logistics and Simulation in Technolo Processing	ogies of Plastics	(PM0) Production Engineering, Master Academic Studies				
21.	PP103	Measurement and tools in precision	(PM0) Productio	on Engineering, Master Acad	emic Studies			
22.	SDOM3 0	Probability, Statistics and Theory of Experiment	(Z00) Environm Studies	ental Engineering, Specialise	ed Academic			
23.	SM3	Software support for reverse engine	ering and CAQ	(PM0) Productio	on Engineering, Master Acad	emic Studies		
24.	SZSP18	Contemporary scientific approaches assessment of products (LCA)	in life cycle	(Z00) Environmental Engineering, Specialised Academic Studies				
25.	ZCM09	Occupational Health and Safety		(ZC0) Clean Energy Technologies, Master Academic Studies				
26.	ZR406A	System Regulations and EU Practice Health and Safety	e in Occupational	(Z01) Safety at Work, Master Academic Studies				
				(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies		
		Desk skillte Otstistiss and Theory of	(M40) Technical Mechanics, Doctoral Academic Studies					
27.	DOM30	Experiment	(Z00) Environmental Engineering, Doctoral Academic Studies					
				(Z01) Safety at Work, Doctoral Academic Studies				
28.	DP001	Design and Research Methods in Pr	oduction	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies		
29.	DP006	State and development trends of me fixtures	trology, quality and	(M00) Mechanical Engineering, Doctoral Academic Studies				
30.	DP013	Ecological Engineering Aspects		(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies		
31.	DP019	Selected topics in technical diagnosi	s	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies		
32.	ZSP18	B Modern Scientific Approaches in Product Life Cycle (Z00) Environmental Engineering, Doctoral Aca Studies Studies				Academic		
33.	ZRD211	Sustainable design and product safety (Z01) Safety at Work, Doctoral Academic Studies						
34.	ZRD213	Current state and development tendencies of quality (Z01) Safety at Work, Doctoral Academic Studies						
35.	ZRD235	Systemic regulation in the field of oc	cupational safety	(Z01) Safety at	Work, Doctoral Academic St	udies		
Rer	presentative	refferences (minimum 5, not more th	an 10)					
1.	1. Matin I., Hadžistević M., Hodolič J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products Integrational Journal of Advanced Manufacturing Technology, 2012, Vol. 62, No. 5, 8, pp. 505, 607, ISSN 0269, 2769							
	Brajlih T.	Tasić T., Drštvenček I., Valentan B.,	Hadžistević M., Poga	čar V., Balić J., Ač	ko B.: Possibilities of Using	Three-		
2.	Dimensional Optical Scanning in Complex Geometrical Inspection, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 826-833, ISSN 0039-2480							
3.	Sekulić M., Jurković Z., Hadžistević M., Gostimirović M.: The influence of mechanical properties of workpiece material on the main cutting force in face milling, Metalurgija, 2010, Vol. 49, No 4, pp. 339-342, ISSN 0543-5846, UDK: 669.14/15.620.171.70/178:620.18 = 111							
4.	Morača S., Hadžistević M., Drstvenšek I., Radaković N.: Application of Group Technology in Complex Cluster type Organizational Systems Stroiniski vestnik = Journal of Mechanical Engineering, 2010, Vol. 56, No. 10, pp. 663-675, ISSN 0039-2480							
	Radlovački V., Kamberović B., Delić M., Hadžistević M., Pečujlija M.: ARE QUALITY MANAGEMENT SYSTEM AND							
5.	INFORM	ATION TECHNOLOGIES MANAGEM	ENT TOOLS - ESTIM ALITY, 2012, Vol. 40.	ATES OF SERBI No 1, pp. 33-36. I	AN QUALITY MANAGERS, SSN 2217-8155, UDK: 658.9	5		
6.	Stević, M.: Povećanje tačnosti merenja numerički upravljanih mernih mašina, edicija tehničke nauke - monografija, FTN izdavaštvo, ISBN 86-7892-028-9. Novi Sad. 2006.							
7.	Hadžistević M., Morača S.: Networks and Quality Improvement, International Journal for Quality Research, 2009, Vol. 3, No 4, pp. 353-361, ISSN 1800-6450							
8.	Lomen, I., Cvetićanin, L., Hodolič, J., Stević, M.: Softwarova aplikacia na určenie hladiny hluku v priemyselnych podnikoch, Časopis Acta Mechanica Slovaca, 2/2002, Ročnik 6., pp. 165-168, Košice, Slovačka, 2002.							
9.	Hodolič J., Budak I., Vukelić Đ., Agarski B., Hadžistević M.: Less Formal Tools for Environmental Management in Production 9. Industry, 2. International Symposium on Environmental and Material Flow Management - EMFM, Zenica: Faculty of Mechanical Engineering in Zenica, University of Zenica, 7-9 Jun, 2012, pp. 1-15, ISBN 978-9958-617-46-1							
10.	Agarski B., Budak I., Puškar T., Vukelić Đ., Marković D., Hadžistević M., Hodolič J.: Multi-criteria assessment of environmental and occupational safety measures in dental prosthetics laboratories, Journal of Production Engineering, 2012, Vol. 15, No 1, pp. 53-56. ISSN 1821-4932							
Summary data for teacher's scientific or art and professional activity:								
Quotation total : 20								
Total of SCI(SSCI) list papers : 9								
Curre	ent projects	:	Domestic :	2	International :	2		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Hajduković P. Miroslav			
Academic title: Fu					Full Professor			
Name of the institution where the teacher works full time and F					Faculty of Technical Sciences - Novi Sad			
starting date:					01.07.1993			
Scientific or art field:					Applied Comp	outer Scienc	ce and Informatics	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	1998	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics	
PhD	thesis		1984	Faculty of Electrical Eng	ineering - Sara	evo Applied Computer Science and Informatics		
Magi	ster thesis		1980	Faculty of Electrical Eng	ineering - Sara	eering - Sarajevo Applied Computer Science and Information		
Bach	elor's thesis	S	1977	Faculty of Electrical Eng	ineering - Sara	jevo	Applied Computer Science and Informatics	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S		
	ID	Course name				Study programme name, study type		
1.	E217	Computer Architecture				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
2.	E225	Onerating Systems				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
		•				(ES0) Power Software Engineering, Undergraduate Academic Studies		
		Human Computer Interaction				(E20) Computing and Control Engineering, Undergraduate Academic Studies		
3.	E243					(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
4	FE301	Operating Systems and Competitive Programming			mmina	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
	LLSUT					(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
	RI4A	Computer Graphics				(E20) Computing and Control Engineering, Undergraduate Academic Studies		
						(ES0) Power Software Engineering, Undergraduate Academic Studies		
5.						(F10) Engineering Animation, Undergraduate Academic Studies		
						(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
		Parallel and distributed architectures				(E20) Con Academic	nputing and Control Engineering, Master Studies	
6	F2529					(ES0) Power Software Engineering, Master Academic Studies		
0.	LLOLO					(MR0) Measurement and Control Engineering, Master Academic Studies		
						(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
7.		Selected Topics in Computing				(E20) Computing and Control Engineering, Doctoral Academic Studies		
	DAU014					(OM1) Mathematics in Engineering, Doctoral Academic Studies		
8	DRNI18	Selected Topics in Distributed/Mobile compu		utina	(E20) Computing and Control Engineering, Doctoral Academic Studies			
					(F20) Engineering Animation, Doctoral Academic Studies			
Representative refferences (minimum 5, not more than 10)								
1. Hajduković M., "Programski jezik CONCERT", Pomoćni udžbenik. Fakultet tehničkih nauka. 1995.								


FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation



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Re	presentative r	efferences (minimum 5, not more th	an 10)					
2.	Hajduković	M., "Organizacija računara", Pomo	ćni udžbenik, Fakultet	tehničkih nauka,	1996.			
3.	Hajduković M., Suvajdžin Z., "Uvod u međunarodni standard IEC 61131-3", Pomoćni udžbenik, Fakultet tehničkih nauka, 2002.							
4.	Hajduković M., "Operativni sistemi", Osnovni udžbenik, Fakultet tehničkih nauka, 2004.							
5.	Hajduković M., "Arhitektura računara", Osnovni udžbenik, Fakultet tehničkih nauka, 2004.							
6.	Hajduković M. i ostali, "The active side principle approach to the client server protocol design", YUJOR, vol. 6, no. 1, Belgrade, 1996., 121-127							
7.	Hajduković M. i ostali, "Uninterruptable and other regions", YUJOR, vol. 8, no. 2, Belgrade, 1998., 323- 329							
8.	Hajduković Belgrade, 1	M. i ostali, "Communication models 1999., 129- 139	: an educational frame	ework for parallel	programming", YUJOR, vol.	9, no. 1,		
9.	Hajduković 53- 65	M. između ostalih, "Character orien	ited program editing –	habit or necessity	y?", NSJOM, vol. 33, no. 1, N	Novi Sad, 2003.,		
10.	Hajduković 73	M. između ostalih, "A problem of pr	ogram execution time	measurement", N	NSJOM, vol. 33, no. 1, Novi S	Sad, 2003., 67-		
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:					
Quot	tation total :		11					
Tota	l of SCI(SSCI) list papers :	3					
Curr	ent projects :		Domestic :	1	International :	0		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name: Hode			Hodolič J. Jai	Hodolič J. Janko			
Acad	lemic title:				Full Professo	Professor		
Nam	e of the inst	itution w	where the te	acher works full time and	Faculty of Te	echnical Sciences - Novi Sad		
Starti	ng date.	iold			06.12.1974	welity Eivitures and Ecological Engineering Appendix		
Accel		ieia.	Voor	Institution	Metrology, Q	uality, Fixtur	Eigld	
							Field	
Acad	lemic title el	ection:	1997	Faculty of Technical Sci	ences - Novi S	ad	Engineering Aspects	
PhD	thesis		1989	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
Magi	ster thesis		1979	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
Bach	elor's thesis	S	1974	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
List c	of courses b	eing hel	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	IA018	3D Dig	italization N	Nethods		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
2.	P1401	Fixture	e Design an	d Measuring Machines		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
	D4500	D	F animan			(P00) Prod Studies (SE0) Soft	duction Engineering, Undergraduate Academic tware Engineering and Information Technologies.	
3. P1508		Reverse Engineering and CAQ				Undergraduate Academic Studies		
						Loznica, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design		
4	D 200	Magguramenta and Quality				Undergrad	uate Academic Studies	
4. P209 Measurements and Quality			(P00) Prod Studies	duction Engineering, Undergraduate Academic				
5.	P2617	Planning Methods and Experiment Processing			ing	(P00) Proo Studies	duction Engineering, Undergraduate Academic	
6.	P306	Fixture	es			(P00) Proo Studies	duction Engineering, Undergraduate Academic	
7.	Z207	Mecha	inical Engin	eering in Environmental E	Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	Z207A	Mecha	inical Engin	eering in Environmental E	Engineering	(Z01) Safety at Work, Undergraduate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
9.	Z301	Pollutio	on Measure	ement and Control		(Z20) Environmental Engineering, Undergraduate Academ Studies		
10.	Z416	EMS S	Systems			(Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	ZR320	Experi Workp	mental Ana lace	lysys of Safety and Health	n on	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
12.	ZRI441	Materia protect	al handling tion	systems for environmenta	al and labor	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
13.	Z207	Mašins naziv r	stvo u inžen na englesko	ijerstvu zaštite životne sre om)	dine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
14.	Z416	EMS s	istemi(unet	i naziv na engleskom)		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
15.	ZC036	Measu	irement and	control of pollution		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
16.	P1409	Materia	al Control S	systems and CAI		(PM0)Pro	duction Engineering, Master Academic Studies	
17.	P1501	Ecological Technologies and Systems			(M40) Technical Mechanics and Technical Design, Master Academic Studies			
10	D2504	Tool D	osigning fo	r Plastic			Advection Engineering, Master Academic Studies	
10.	74164	Envire	nmont Dret	i Fidoliu	nt		Aduction Engineering, Master Academic Studies	
20		Plastic	e and onvir		71 IL		duction Engineering, Master Academic Studies	
20.		Logisti	cs and Sim	ulation in Technologies of	Plastics	(PM0) Pro	duction Engineering, Master Academic Studies	
21.	PLIS1	Proces	sing				Addition Engineering, Master Academic Studies	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study program	me name, study type					
22.	SDOM3 0	Probability, Statistics and Theory of Experiment	Engineering	(Z00) Environmental Engineering, Specialised Academic Studies						
23.	SZDH1	Modern Methods of Eco-design		(Z00) Environm Studies	ental Engineering, Specialis	ed Academic				
24.	SZSP18	Contemporary scientific approaches assessment of products (LCA)	in life cycle	(Z00) Environm Studies	ental Engineering, Specialis	ed Academic				
25.	DM411	Contemporary Approach to Integration Engineering of Rapid Prototyping, To Virtual Manufacturing	on of Reverse ools, Products and	(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies				
				(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies				
26.	DOM30	Probability, Statistics and Theory of Experiment	Engineering	(200) Environmental Engineering, Doctoral Academic						
				(Z01) Safety at	Work, Doctoral Academic St	udies				
27.	DP001	Design and Research Methods in Pr Engineering	oduction	(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies				
28.	28. DP006 State and development trends of metrology, quality and (M00) Mechanical Engin				cal Engineering, Doctoral Ac	ademic Studies				
29.	DP013 Ecological Engineering Aspects (M00)				cal Engineering, Doctoral Ac	ademic Studies				
30.	ZDH1	Modern Methods of Eco-design	dern Methods of Eco-design (Z00) Environmental Engineering, Doctoral Studies		Academic					
31.	ZSP18 Modern Scientific Approaches in Product Life Cycle (Z00) Environmental Engineering, Doctoral Academic Studies									
Rep	oresentative	refferences (minimum 5, not more th	an 10)							
1.	Budak I., Sensors,	Vukelić Đ., Bračun D., Hodolič J., Sol Sensors, 2012, Vol. 12, No 1, pp. 110	ković M.: Pre-Processi 00-1126, ISSN 1424-8	ing of Point-Data i 220	from Contact and Optical 3D	Digitization				
2.	Bešić I., V CMM, Op	/an Gestel N., Kruth J., Bleys P., Hod tics and Lasers in Engineering, 2011,	olič J.: Accuracy impro Vol. 49, No 11, pp. 12	ovement of laser l 274-1280, ISSN 0	ine scanning for feature mea 143-8166	asurements on				
3.	Matin I., I Products	Hadžistević M., Hodolič J., Vukelić Đ., International Journal of Advanced Ma	Lukić D.: A CAD/CAE anufacturing Technolo	E Integrated Injectory, 2012, Vol. 63	tion Mold Design System for , No. 5-8, pp. 595-607, ISSN	Plastic 0268-3768				
4.	Jakovljev Internatio	ić Ž., Petrović P., Hodolič J.: Contact nal Journal of Advanced Manufacturir	states recognition in rong Technology, 2012,	obotic part mating Vol. 59, No 1-4, p	based on support vector map. 377-395, ISSN 0268-376	achines, 8				
5.	Mrkajić V urban en	., Stamenković M., Maleš M., Vukelić vironment, Carpathian Journal of Eart	Ð., Hodolič J.: Propos h and Environmental S	al for reducing pro	oblems of the air pollution ar ′ol. 5, No 1, pp. 49-56, ISSN	nd noise in the 1842-4090				
6.	Vukelić Đ Manufact	., Zuperl U., Hodolič J.: Complex syst uring Technology, 2009, Vol. 45, No 7	em for fixture selection 7-8, pp. 731-748, ISSN	n, modification, ar I 0268-3768	nd design, International Jour	nal of Advanced				
7.	Budak I., Journal o	Hodolič J., Soković M.: Development f Materials Processing Technology, 20	of a programme syste 005, Vol. 162, pp. 730	em for data-point p -735, ISSN 0924-	pre-processing in Reverse E 0136	ngineering,				
8.	Agarski E Assignme	8., Budak I., Kosec B., Hodolič J.: An A ent, Environmental Modeling & Assess	Approach to Multi-crite sment, 2012, Vol. 17, I	ria Environmental No 3, pp. 255-266	l Evaluation with Multiple We 5, ISSN 1420-2026.	eight				
9.	Trifković Accuracy	B., Budak I., Todorović A., Hodolič J., Measurement of Ceramic Crowns, M	Puškar T., Jevremovie easurement Science F	ć D., Vukelić Đ.: A Review, 2012, Vol	Application of Replica Techn I. 12, No 3, pp. 90-97, ISSN	ique and SEM in 1335-8871.				
10.	Agarski E motor vel 3651.	., Kljajin M., Budak I., Tadić B., Vukel nicles' environmental performances, T	ić Đ., Bosak M., Hodo ēhnički vjesnik/Techn	lič J.: Application ical Gazette, 2012	of multi-criteria assessment 2, Vol. 19, No 2, pp. 221-226	in evaluation of 5, ISSN 1330-				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		42							
Total	of SCI(SSC	CI) list papers :	22							
Curre	ent projects	:	Domestic :	3	International :	6				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:			Ivanović V. Dragan					
Acad	lemic title:				Assistant Professor				
Nam	e of the inst	itution v	where the te	eacher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad		
starti	ng date:				01.04.2007				
Scier	ntific or art f	ield:			Applied Computer Science and Informatics				
Academic carieer Year Institution					Field				
Acad	lemic title e	ection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
PhD	thesis		2010	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
Bach	elor's thesis	5	2006	Faculty of Technical Science	ences - Novi Sa	ad	Informatics		
Magi	ster thesis		-				Applied Computer Science and Informatics		
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	S			
	ID	Course	e name			Study pro	ogramme name, study type		
						(E20) Cor Academic	nputing and Control Engineering, Undergraduate Studies		
1	E2E40	0 XML and WEB Services				(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies		
	E2E40					(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies				
2.	GG11	Fundamentals in Computing				(G00) Civ	il Engineering, Undergraduate Academic Studies		
3.	ISIT20	Object-oriented Programming Platforms				(SII) Softw Undergrad	SII) Software and Information Technologies (Inđija), ndergraduate Professional Studies		
4.	ISIT32	Technologies and platforms for digital conte documents management		ents and	(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies			
5.	ISIT41	eGove	ernment tec	hnologies and systems		(SII) Softw Undergrad	ftware and Information Technologies (Inđija), aduate Professional Studies		
6.	ISIT47	E-lear	ning tools a	nd technologies		(SII) Softw Undergrad	I) Software and Information Technologies (Inđija), Jergraduate Professional Studies		
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies		
		0001 Introduction to Programming				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
7.	SE0001					(P00) Production Engineering, Undergraduate Academic Studies			
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
Q	SES102	Oral o	nd written o	communication skills		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
0.	020100					(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
0	SE6301	IT L au				(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
9.	323301	II Law				(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies			
10	E2507	Digital	Archivoo			(E20) Cor Academic	E20) Computing and Control Engineering, Master		
10.	L2307	Digital				(SE0) Software Engineering and Information Technologies, Master Academic Studies			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

et at courses hai	in held by the teacher in the accredited study programmes

	ID	Course name		Study programme name, study type				
				(E20) Computin Academic Studie	g and Control Engineering, I	Vaster		
11	50504	Duciana David Management		(MR0) Measure Academic Studie	ment and Control Engineerir	ng, Master		
11.	E2521	Business Process Management		(SE0) Software Master Academi	Engineering and Informatior c Studies	n Technologies,		
				(E10) Power, Ele Engineering, Ma	ectronic and Telecommunica ster Academic Studies	tion		
10	E2525	Contemporary educational technolog	vice and standards	(E20) Computin Academic Studie	g and Control Engineering, I s	Master		
12.	E2020		jies and standards	s and standards (SE0) Software Engineering and Information Tech Master Academic Studies				
13.	SEM013	E-government technologies		(SE0) Software Master Academi	Engineering and Information c Studies	n Technologies,		
14.	DRNI02	Selected Topics in Advanced Softwa	are Architecture	(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral		
15.	DRNI06 Selected Topics in Digital Archives			(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral		
16.	Belected Topics in Scientific-research Activity managament (E20) Computing and Control Engineering, Doctoral Academic Studies							
Representative refferences (minimum 5, not more than 10)								
1.	1. Ivanović, D., Surla, D. & Racković, M. (2010), "A CERIF data model extension for evaluation and quantitative expression of scientific research results", Scientometrics, DOI 10.1007/s11192-010-0228-2. Vol. 86. No. 1. pp. 155-172							
2.	lvanovic, EDT-MS	L., Ivanovic, D., Surla, D. (2012), "A c ', Online Information Review, Vol. 36,	lata model of theses a No. 4, pp. 568-586	nd dissertations o	compatible with CERIF, Dubl	in Core and		
3.	Ivanović, the MAR pp. 229-2	D., Milosavljević, G., Milosavljević, B. C 21 format", Program: Electronic liba 251	& Surla, D. (2010), "A rary and information s	CERIF-compatib ystems, DOI: 10.1	le research management sy 108/00330331011064249, \	stem based on /ol. 44, No. 3,		
4.	lvanović, DOI: 10.	D., Surla, D. & Konjović, Z. (2010), "C 108/02640471111111433, Vol. 29, N	ERIF compatible data o. 1, pp. 52-70	model based on	MARC 21 format", The Elec	tronic Library,		
5.	Milosavlje Compliar	ević, G., Ivanović, D., Surla, D. & Milos It Research Management System", Th	savljević, B. (2010), "A e Electronic Library, V	utomated Constrution 29, No 5, pp. 1	uction of the User Interface f 565-588	or a CERIF-		
6.	Kovacevi publicatio 10.1108/	c, A., Ivanovic, D., Milosavljevic, B., K ns for CRIS systems", Program: elect 00330331111182094	onjovic, Z., Surla, D. (ronic library and inforr	2011), "Automatic nation systems, V	extraction of metadata from ol. 45, No. 4, pp.376 – 396,	n scientific DOI:		
7.	Ivanović, Reposito	L., Ivanović, D., Surla, D. (2012), Inte ry at the University of Novi Sad, Repu	gration of a Research blic of Serbia, Library i	Management Sys resources and Te	stem and an OAI-PMH Comp chnical services, Vol. 56, No	oatible ETDs b. 2, pp. 104-112		
8.	Ivanović Science a	D., Surla D., Racković M.: Journal ev and Information Systems (ComSIS), 2	aluation based on bibli 012, Vol. 9, No 2, pp.	iometric indicators 791-811, ISSN 18	and the CERIF data model	, Computer		
9.	Informac	oni sistem naučno-istraživačke delatn	osti					
10.	Ivanović	D.: Sistemi za skladištenje naučnih sa	adržaja, Zadužbina An	drejević, 2011, IS	BN 978-86-7244-916-7			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		72					
Tota	of SCI(SS	CI) list papers :	8					
Curre	ent projects	:	2	International :	1			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:				Ivetić V. Dragan				
Acad	lemic title:				Full Professor				
Nam	e of the inst	titution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				22.10.1990				
Scier	ntific or art f	ield:	X	1 00 0	Applied Computer Science and Informatics				
Academic caneer Year Institution					N : 0				
Acad	lemic title el	lection:	2010	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics		
PhD	thesis		1999	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
Magi	ster thesis	_	1994	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
Bach		S sing hal	1990	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
LISU		eing nei				.5			
	ID	Course	e name			Study pro	gramme name, study type		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	E243	Human Computer Interaction				(SE0) Sofi Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
						(F10) Eng Studies	ineering Animation, Undergraduate Academic		
2.	H207	Programming and Programming Language			3	(H00) Meo	chatronics, Undergraduate Academic Studies		
						(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies		
		RI4A Computer Graphics				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
3.						(ES0) Power Software Engineering, Undergraduate Academic Studies			
	RI4A					(F10) Eng Studies	(F10) Engineering Animation, Undergraduate Academic Studies		
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
4	E0242	Humor	Computer	Interaction		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
4.	E0243	numai	I-Computer	meracion		(F10) Eng Studies	ineering Animation, Undergraduate Academic		
						(E20) Con Academic	nputing and Control Engineering, Master Studies		
5.	E2505	Multim	edia Syster	ns		(ES0) Power Software Engineering, Master Academic Studies			
						(F20) Eng	ineering Animation, Master Academic Studies		
						(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies		
	F0540	\/:+++	Poolity Our	tomo		(E20) Con Academic	nputing and Control Engineering, Master Studies		
ΰ.	E2516	virtual	Reality Sys	SUELITIS		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies		
7	E2529	Come	itor game a	lovelenment		(E20) Con Academic	nputing and Control Engineering, Master Studies		
1.	E2020	Compt				(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies		
Q	F2534	Data (ompression			(E20) Con Academic	nputing and Control Engineering, Master Studies		
0.	22004	Data Compression				(SE0) Sof Master Aca	(SE0) Software Engineering and Information Technologies, Master Academic Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	ne name, study type				
9.	ESI035	Computer graphic algorithms for sma	art grid systems	(ES0) Power Software Engineering, Master Academic Studies					
10.	ESI036	6 Visualization techniques in power systems (ES0) Power Software Engineering, Master Academic Studies							
11.	DRNI09	Selected Topics in Human Centered	g and Control Engineering, I	Doctoral					
				(F20) Engineering Animation, Doctoral Academic Studies					
12.	FDS151	Selected Chapters in Multimedia		(F00) Graphic E Studies	ngineering and Design, Doc	toral Academic			
13.	FDS152	Selected Topics in Computer Graphi	cs	(F00) Graphic E Studies	ngineering and Design, Doc	toral Academic			
14.	DRNI15	Selected Topics in Advanced Comp	uter Graphics	(E20) Computing Academic Studie	g and Control Engineering, [s	Doctoral			
			·	(F20) Engineerir	ng Animation, Doctoral Acad	emic Studies			
15.	DRNI18	Selected Topics in Distributed/Mobile	e computing	(E20) Computing Academic Studie	g and Control Engineering, I s	Doctoral			
			9	(F20) Engineerir	ng Animation, Doctoral Acad	emic Studies			
Representative refferences (minimum 5, not more than 10)									
1.	1. Dinu Dragan, Dragan Ivetic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer methods and programs in biomedicine, Elsevier, Vol. 107, No. 2, p.111-121. ISSN 0169-2607. Aug 2012								
2.	Dragan Iv 0148-559	vetic, Dinu Dragan, "Medical Image or 98, August 2011.	the go!", Journal of M	ledical Systems, S	Springer, Vol. 35, No. 4, pp. 4	499-516, ISSN			
3.	Dragan Iv Engineer	vetic, Srdjan Mihic, Branko Markoski, ' ing, Elsevier, Vol. 36, No. 1, pp. 169-1	'Augmented AVI video 79, ISSN 0045-7906,	file for road surve January 2010.	eying", Computers and Elect	rical			
4.	Dinu Dra and Infor	gan, Dragan Ivetic, "Architectures of E mation Systems Journal (ComSIS), vo	DICOM based PACS fo bl. 6(1), ISSN: 1820-02	or JPEG2000 Med 214, pp. 185-203	lical Image Streaming", Com , ComSIS Consortium, Serbi	puter Science ia, June 2009.			
5.	Dragan Iv Assimako	vetic, Dusan Malbaski, "A dichotomou opoulos, Ed., Cambridge International	s software life-cycle m Science Publishing, C	odel", Journal of A ambridge, Englar	Applied Systems Studies, Nil nd, vol. 2, No. 2, 2001	kitas. A.			
6.	Dinu Dra Journal, S Publisher	gan, Dragan Iveti, "A Comprehensive Special Issue on ICIT 2009 Conferenc , July 2009.	Quality Evaluation Sys e - Bioinformatics and	stem for PACS", L Image, Vol. 4(3),	Jbiquitous Computing and C ISSN: 1992-8424, pp. 642-6	ommunication 650, UBICC			
7.	Veljko Pe of educat 8424, pp	trovic, Dragan Ivetic, "Education and ion policy", Ubiquitous Computing and 43-51, UBICC Publisher, 2011.	out of the box thinking d Communications Jou	 – linearization of Irnal, Special Issu 	Graham's scan algorithm cc e on ICIT 2011 conference,	omplexity as fruit ISSN: 1992-			
8.	Dusan M Operation	albaski, Dragan Ivetic, "Some notes o ns Research, vol. 6, no. 2, 1996., 277-	n the formal definition 284.	of streams", Byro	n Papathanassiou, Ed., Yug	oslav Journal of			
9.	Ivetic Dra No. 5, pp	agan, Dinu Dragan, "JPEG2000 Aims . 1-13, ISSN 1110-2586, Sept. 2009.	To Make Medical Imag	ge Ubiquitous", Eg	gyptian Computer Science Jo	ournal, Vol. 31,			
10.	Dragan D centric C (eds.), Be	D., Ivetić D.: Chapter 28: Tools for Ubi omputing 2011 and Embedded Multim erlin, Springer, 2011, str. 297-308, ISE	quitous PACS System nedia Computing 2011 N 978-94-007-2104-3	i, in "Proceedings ", Lecture Notes ii	of the International Conferent n Electrical Engineering, J.J.	nce on Human- Park et al.			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		55						
Total	of SCI(SS	CI) list papers :	4						
Curre	ent projects	:	2	International :	0				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:				Jeličić D. Zoran			
Acad	lemic title:				Associate Professor			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.11.1995			
Scier	ntific or art f	ield:			Automatic Control and System Engineering			
Academic carieer Year Institution							Field	
Acad	lemic title el	lection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
PhD	thesis		2003	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Magi	ster thesis		1999	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Bach	elor's thesis	S	1995	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	AU41	Digital	Control Sy	stems		(E20) Cor Academic	nputing and Control Engineering, Undergraduate Studies	
						(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
						(E20) Cor Academic	nputing and Control Engineering, Undergraduate Studies	
2	F007	Optimization Methods				(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies	
۷.	E237					(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
					(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
3.	E237A	Optimization Methods				(GI0)Geo Studies	desy and Geomatics, Undergraduate Academic	
4.	F404	Modelling, Simulation and Control				(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
5.	GI005	Intellig	ent Control	Systems		(GI0)Geo Studies	desy and Geomatics, Undergraduate Academic	
6.	H1405	Optimi	zation Meth	nods		(H00) Mechatronics, Undergraduate Academic Studies		
7.	H302	Contro	I Systems	2		(H00) Mechatronics, Undergraduate Academic Studies		
8.	BM118A	Nonlin	ear prograr	nming and optimal control		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
9.	BM130A	Digital	control sys	tems in bioengineering		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
10.	E2316	Real-ti	me control	systems		(E20) Cor Academic	nputing and Control Engineering, Undergraduate Studies	
11.	SEAU01	Nonlin	ear prograr	nming and evolutionary co	omputations	(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
12.	SEAU03	Real-ti	me control	algorithms		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
13	Δ11511	Adapti	ve and Adv	anced Control		(E20) Cor Academic	nputing and Control Engineering, Master Studies	
10.	70011	Adapti				(MR0) Me Academic	asurement and Control Engineering, Master Studies	
14.	AT03	Optimi design	zation and	control techniques in arch	itectural	(AH0) Arch	nitecture, Master Academic Studies	
15.	E2532	Autom	atic Contro	Systems Project Manage	ement	(E20) Cor Academic	nputing and Control Engineering, Master Studies	
16.	DAU005	Select	ed Chapter	s in Optimization Methods		(M00) Me	chanical Engineering, Doctoral Academic Studies	
17.	DAU010	Select	ed Chapter	s in Nonlinear Control Sys	stems	(E20) Cor Academic (OM1) Ma	nputing and Control Engineering, Doctoral Studies athematics in Engineering, Doctoral Academic	
			1.6			Studies		
18.	DGI016	Select	ed Chapter	s in Systems and Signals		(GI0) Geo	desy and Geomatics, Doctoral Academic Studies	

ANTAS STUD

UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study programme name, study type						
19.	DAU005	Selected Chapters in Optimization M	(E20) Computin Academic Studie	g and Control Engineering, [es	Doctoral					
Rep	Representative refferences (minimum 5, not more than 10)									
1.	1. Jeličić Z., Kulić F., Čongradac V., Kanović Ž., Živković S., Praktikum Savremena merenja i instrumentacija iz programa Lifelong Learning, INDAS, 2003.									
2.	2. Jeličić Zoran; Petrovački Nebojša; Optimality Conditions and a Solution Scheme For Fractional Optimal Control Problems, Structural and Multidisciplinary Optimization ISSN: 1615-147X ,Vol. 38, No. 6, Str. 571-581, Springer;									
3.	Rapaić Milan; Pisano Alessandro; Jeličić Zoran; Usai Elio; Sliding mode control approaches to the robust regulation of linear multivariable fractional order dynamics - International Journal of Robust and Nonlinear Control Volume 20, Issue 18, pages 2045–2056, December 2010									
4.	Rapaić Milan; Jeličić Zoran; Optimal control of a class of fractional heat diffusion systems, Nonlinear Dynamics Volume 62, Numbers 1-2, 39-51, DOI: 10.1007/s11071-010-9697-3, Springer;									
5.	 Z. D. Jeličić, T. M. Atanacković, Optimal shape of a vertical rotating column, International Journal of Non-Linear Mechanics, 42, 172 – 179, (2007). 									
6.	Zeljko Ka analysis 10175–10	novic, Milan R Rapaic, Zoran D Jelici with application in fault detection, App 0186.	c, Generalized particle lied mathematics and	swarm optimizati computation, Volu	ion algorithm-Theoretical and ume 217, Issue 24, 15 Augus	d empirical st 2011, Pages				
7.	Jeličić, Z. OPTIMIZ	. D. Atanacković, T. M.,On an optimiz ATION, (2006) vol.32 br.1 str. 59-64	ation problem for elas	tic rods, STRUCT	URAL AND MULTIDISCIPLI	INARY				
8.	Milena Po detection	etković, Milan R Rapaić, Zoran D Jelič , Expert Systems with Applications, V	tić, Alessandro Pisano olume 39, Issue 11, 1	, On-line adaptive September 2012,	e clustering for process moni Pages 10226–10235.	toring and fault				
9.	T. M. Ata Sciences	nacković, Z. D. Jeličić, Optimal shape et des Arts. Classe des Sciences tec	and deformations of a hniques 29, 57-79 (20	a lifting line with w 03).	inglets. Bulletin de l"Académ	ie Serbe des				
10.	T. M. Ata No.4, pp.	anackovic, Y. Huo, Z. Jelicic, I. Muelle 301-338, Belgrade 2007.	r, Phase diagrams mo	dified by interfacia	al penalties, Theoret. Appl. N	/lech., Vol.34,				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		105							
Total	of SCI(SS	CI) list papers :	7							
Curre	ent projects	:	Domestic :	2	International :	1				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:			Jorgovanović Đ. Nikola				
Acad	lemic title:				Associate Pro	ofessor		
Nam	e of the inst	titution v	where the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:				15.11.1999	Dented and Orate of Facility and a		
Scier	ntific or art f	ield:	Maar	1	Automatic Co	ntrol and Sy		
Academic carleer Year Institution								
Acad	lemic title el	lection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
PnD	thesis		2003	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Nagi	ster thesis		1996	Faculty of Technical Sci	ences - Novi Sa	ad		
Bach		S sing ha	1992	Faculty of Technical Sci	ences - Novi Sa		Electronics	
LISU		eing ne	id by the tea			.5		
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	AU42	Techn	ical Equipm	ent for Control Systems		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
						(BM0) Bio	medical Engineering, Undergraduate Academic	
2.	AU43	Funda	mentals of I	Biomedical Engineering		Studies	pouting and Control Engine gring the descent of	
						(E20) Con Academic	Studies	
						(E20) Con	nputing and Control Engineering, Undergraduate	
3.	AU47	DSP A	pplications	in Control Systems			Studies	
			Undergraduate Academic Studies					
4.	AU49	Methods of Medical Image Forming and Analy			alysis	(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
5.	AUN43	Biomedical Engineering Technologies				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
6.	GI006	Satellite Navigation and Navigation Service				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
7.	GI206	Syster	ns and Sigr	als in Geomatics		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
8.	Z411	Funda	mentals of I	Instrumentation and Contr	rol	(Z20) Environmental Engineering, Undergraduate Academic Studies		
9.	BM119A	The ap	oplication of ns in medici	geoinformation technolog	gies and	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
10.	BMI112	Biome	dical engine	eering in sport physiology		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
11.	BMI114	Neural	Prosthesis			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
12.	BMI120	Equipr disable	nent and sy ed	stems for helping the elde	erly, ill and	(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
13.	BMI122	Neuro	rehabilitatio	n		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
14.	BMI124	Syster	n Modeling	and Simulation		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
15.	E2314	Microp	rocessor B	ased Control Devices		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
16	SEALIOS		polioctions	in Control Systems		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
10.	3EAU03	03P A				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(SE0)Sof	tware Engineering and Information Technologies, uate Academic Studies	
17.	SEAU08	Microp	rocessor B	ased Control Devices		(SEL) Sof	tware Engineering and Information Technologies - Indergraduate Academic Studies	
18.	AU504	Moven	nent Contro	1		(E20) Con Academic	nputing and Control Engineering, Master Studies	

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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	me name, study type				
19.	AU505	Neural Prostheses		(E20) Computing and Control Engineering, Master Academic Studies					
20.	AU507	Principles of Biomedical Engineering]	(E20) Computin Academic Studie	g and Control Engineering, I es	Vaster			
21.	BMIM3B	Soft Sensors		(BM0) Biomedic	al Engineering, Master Acad	demic Studies			
22.	BMIM3C	Functional Electrical Therapy		(BM0) Biomedic	al Engineering, Master Acad	demic Studies			
23.	BMIM5C	Brain Computer Interface		(BM0) Biomedic	al Engineering, Master Acad	demic Studies			
24.	E2532	Automatic Control Systems Project I	Management	(E20) Computin Academic Studie	g and Control Engineering, I es	Vaster			
25.	SEAM04	Soft Sensors		(SE0) Software Master Academi	Engineering and Informatior c Studies	n Technologies,			
26.	DAU008	Selected Chapters in Signal Process Engineering	sing in Biomedical	(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral			
27.	DE518	DE518 Brain Computer Interface Systems (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies							
28.	DGI016	Selected Chapters in Systems and S	Signals	(GI0) Geodesy a	and Geomatics, Doctoral Ac	ademic Studies			
	5444000	Selected Chapters in Biomedical Ins	trumentation and	(E20) Computing and Control Engineering, Doctoral Academic Studies					
29.	29. DAU009 Telemetry			(OM1) Mathema Studies	atics in Engineering, Doctora	I Academic			
Representative refferences (minimum 5, not more than 10)									
1.	1. Popović Maneski L., Jorgovanović N., Ilić V., Došen S., Keller T., Popović B. M., Popović B. D.: Electrical stimulation for the suppression of pathological tremor, MED BIOL ENG COMPUT, 2011, Vol. 49, No 10, pp. 1187-1193. ISSN 0140-0118								
2.	Popović-l electrical	Bijelić A., Bijelić G., Jorgovanović N., stimulation , Artificial Organs, 2005,	Bojanić D., Popović M Vol. 29, No 6, pp. 448	., Popović D.: Mu 3-452, ISSN 0160-	Iti-field surface electrode for 564X	selective			
3.	Maleševi electrical	ć N., Popović Maneski L., Ilić V., Jorg stimulation system for restoration of g	ovanović N., Bijelić V., grasp, J NEUROENG I	Keller T., Popovi REHABIL, 2012, \	ć D.: A multi-pad electrode l /ol. 9, No 66, ISSN 1743-00	based functional 03			
4.	Čongrada Buildings	ac V., Jorgovanović N., Stanišić D.: A , 2012, Vol. 48, pp. 146-154, ISSN 03	ssessing the energy c 78-7788	onsumption for he	eating and cooling in hospita	ls, Energy and			
5.	Bojanić D cerebral	D., Petrovački-Balj B., Jorgovanović N. palsy, Journal of Neuroscience Metho	., Ilić V.: Quantification ds, 2011, No 198, pp.	n of dynamic EMG 325-331, ISSN 0 ⁻	e patterns during gait in child 165-0270	Iren with			
6.	Krasnik F HealthME	R., Mikov A., Ilić V., Jorgovanović N., I ED, 2011, Vol. 5, No 4, pp. 888-893, I	Demeši Drljan Č.: The SSN 1840-2291	use of Dynamic I	Electromyography in Gait An	alysis,			
7.	Jorgovan Control, 2	ović N., Došen S., Petrović R.: Novel 2005, Vol. 15, No 5, pp. 27-30, UDK: 6	Electronic Stimulator 521.3-52	for Functional Ele	ectrical Therapy, Journal of A	utomatic			
8.	Jorgovan Novom S	ović N.: Upravljanje funkcionalnom e adu, Fakultet tehničkih nauka, 2003	lektričnom stimulacijor	m za neurorehabil	itaciju pokreta, Novi Sad, Ur	niverzitet u			
9.	Jorgovan	ović N.: NEURON - neuronski računa	arski sistem, Novi Sad	, Univerzitet u Nov	vom Sadu, Fakultet tehničkił	n nauka, 1996			
10.	Govedari I., Jorgov zaštite živ	ca M., Petrovački D., Ristić A., Jovan anović N., Tepić Ž., Bojanić D., Staniš votne sredine, 2010	ović D., Popov S., Rist šić D., Ilić V., Pržulj Đ.	ić A., Pajić V., Sla Geografski infor	adić D., Vrtunski M., Badnjar macioni sistem za potrebe N	ević I., Alargić /inistarstva			
Sur	mmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		81						
Tota	of SCI(SS	CI) list papers :	6						
Curre	Current projects : Domestic : 1 International : 1								



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Jović Đ. Miomira					
Acad	lemic title:				Foreign Language Lecturer			
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Sci	ences - Nov	<i>v</i> i Sad	
starti	ng date:				01.09.2001			
Scier	ntific or art f	ield:	-		German			
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2005				German	
Bach	elor's thesis	5	1973				German	
List o	of courses b	eing he	Id by the te	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	F331	Germa	an Languag	e – LSP Course 2		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(A00) Arch	nitecture, Undergraduate Academic Studies	
						(AS0) Sce Undergrad	nic Architecture, Technique and Design, uate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2	N.I017	German Language – Elementary				(Z01) Safe	ety at Work, Undergraduate Academic Studies	
	10012					(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate Academic Studies		
		German Language – Pre-Intermediate				(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(G00) Civil Engineering, Undergraduate Academic Studies		
						(M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
						(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
						(P00)Prod Studies	duction Engineering, Undergraduate Academic	
3.	NJ02L					(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
						(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
					(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
4.	NJ05	Germa	an Languag	e for GRID 1		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
5.	NJ06	Germa	an Languag	e for GRID 2		(F00) Graphic Engineering and Design, Undergraduate Academic Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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	ig neiu by	the teacher in the	e accieulleu sluug	programmes

	ID	Course name		Study programme name, study type			
				(E20) Computing and Control Engineering, Undergraduate Academic Studies			
				(F10) Engineerii Studies	ng Animation, Undergraduat	e Academic	
6.	NJ1L	German Language - Elementary		(GI0) Geodesy a Studies	and Geomatics, Undergradua	ate Academic	
				(SE0) Software Undergraduate A	Engineering and Information Academic Studies	Technologies,	
				(SEL) Software Loznica, Underg	(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
7.	SSIP22	German Language for Engineers 1		(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies			
8.	NJ01Z	Nemački jezik - osnovni(uneti naziv	na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies			
9.	NJ02L	Nemački jezik - niži srednji(uneti naz	tiv na engleskom)	(Z20) Environme Studies	ental Engineering, Undergrad	luate Academic	
10.	F508	German Language for GRID 3		(F00) Graphic Engineering and Design, Master Academic Studies			
11.	nja	German Language in Architecture		(AH0) Architecture, Master Academic Studies			
Representative refferences (minimum 5, not more that			an 10)				
Summary data for teacher's scientific or art and profes			essional activity:				
Quotation total :							
Total	of SCI(SSC	CI) list papers :					
Curre	ent projects		Domestic :		International :		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Katić M. Marina					
Acad	lemic title:				Lecturer			
Nam	e of the inst	itution v	vhere the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.10.2001	01.10.2001		
Scientific or art field:			English					
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	ection:	2010	Faculty of Technical Sci	ences - Novi S	ad	English	
Mast	er's thesis		2009	Faculty of Philology - Be	eograd		English	
Magi	ster thesis		2006	Faculty of Philology - Be	eograd		Engineering Management	
Bach	elor's thesis	5	1987	Faculty of Philosophy - I	Novi Sad		English	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arcl	nitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	intermediate		(A00) Arcl	nitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arcl	nitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arcl	nitecture, Undergraduate Academic Studies	
		101L English Language – Elementary				(G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
						(M30) Energy and Process Engineering, Undergraduate Academic Studies		
5.	EJ01L					(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Production Engineering, Undergraduate Academic Studies		
						(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
						(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
6.	EJ01Z	Englis	h Language	e - Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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t courcos bou	na nold nut	no toochor II	a the accredited	l ofudy programs	000

	ID	Course name	Study programme name, study type
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
7. EJ02	EJ02L	English Language – Pre-Intermediate	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(110) Industrial Engineering, Undergraduate Academic Studies
Q	E 1027	English Language – Pre-Intermediate	(I20) Engineering Management, Undergraduate Academic Studies
0.	EJUZZ		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
		English Language – Upper Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
10.	EJ04L		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
11.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

of of courses had	ng hald by the teacher	in the corredited study	/ programano
		In the arrentement chine	

	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
13.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
		English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
14.	EJ3L		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
	- 1.4		(M30) Energy and Process Engineering, Undergraduate Academic Studies
23.	EJIVI	English Language - ESP Course	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies



List

UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

of courses bein	g held by the	teacher in t	he accredited st	udy programmes

	ID	Course name	Study programme name, study type
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	ISIT01	English Language 1	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(I10) Industrial Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	(I20) Engineering Management, Undergraduate Academic Studies
35.	ETI10	English Language-Lower	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
36.	SSIP21	English Language	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
		EJ1Z English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies
	EJ1Z		(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
37.			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
38.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
39.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies
40.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
41.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies
42.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
Rep	oresentative	e refferences (minimum 5, not more than 10)	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

Representative refferences (minimum 5, not more than 10)						
1.	Marina Katić, Kostadin Pušara, "Standardizatic Vol.III, Part 2, 2005, ISSN 1584-2665, Edition I	on of E-Commerce Tei Mirton, Timisoara (Roi	rminology", Annal mania), pp.31-36	ls of the Faculty of Engil	neering Hunedoara,	
2.	M.Katić, "O tehnikama prevođenja nekih engleskih termina energetske elektronike", 11th International Symposium on Power Electronics – Ee 2001, Novi Sad, OctNov.2001, pp.154-157.					
3.	M.Katić, "Terminology of E-Commerce", 7th International Symposium on Interdisciplinary Regional Research – ISIRR 2003, Hunedoara (Romania), Sept. 2003, CD-ROM – Paper 0104.					
4.	M.Katić, "Key Terms of Business Environment", PSU-UNS Int. Conference Energy and Environment, Hat Yai (Thailand), Dec. 2003, .					
5.	Marina Katić, Kostadin Pušara, "Need for E-Commerce Term Standardization and Harmonization", Western Business & Management Conference 2004, Las Vegas (USA), Oct.2004, CD ROM.					
6.	Marina Katić, Kostadin Pušara, "Standardization of E-Commerce Terminology", VIII International Symposium on Interdisciplinary Regional Research - ISSIR 2005, Szeged (Hungary), 19-21, 04, 2005,, University of Szeged, CD ROM.					
7.	M.Katić, "Deregulacija u elektroprivredi sa aspekta tumačenja i prevođenja engleskih termina na srpski jezik", III Jugoslovensko savetovanje o elektrodistributivnim mrežama, JUKO-CIRED, Vrnjačka Banja, Okt. 2002, Sveska 4, P-7.04, pp.153-158, (knjiga i CD ROM).					
8.	M.Katić, "Engleski jezik u službi međunarodnog Vrnjačka Banja, Nov. 2002, pp.146-151	g menadžmenta", XII ı	međunarodna kor	nferencija Industrijski sis	stemi – IS 2002,	
9.	M.Katić, "Anglicizmi u jeziku tehnike", XLVII Ko 244.	onferencija ETRAN, Ho	erceg Novi, Jun 2	2003, CD-ROM i knjiga,	Sveska 3, pp. 241-	
10.	10. M.Katić, K.Pušara, "Zašto je potrebna standardizacija termina elektronske trgovine", XLIX Konferencija za ETRAN, Budva, 0510. 06. 2005., Zbornik radova, CD-ROM i knjiga, Sveska 3, pp.238-241.					
Sur	mmary data for teacher's scientific or art and profe	essional activity:				
Quot	ation total :	0				
Tota	l of SCI(SSCI) list papers :	0				
Curre	ent projects :	Domestic :	0	International :	0	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Konjović D. Zora					
Acad	lemic title:				Full Professor			
Nam	e of the inst	itution v	where the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.10.1981			
Scier	ntific or art f	ield:			Applied Comp	outer Scienc	ce and Informatics	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2003	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics	
PhD	thesis		1992	Faculty of Technical Scie	ences - Novi Sa	ad	Robotics and Flexible Automation	
Magi	ster thesis		1985	Faculty of Technical Scie	ences - Novi Sa	ad	Robotics and Flexible Automation	
Bach	elor's thesis	S	1973	Faculty of Sciences - No	ovi Sad		Mathematics	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
1.	E231	Numer	rical Algoritl	hms and Numerical Softwa	are	(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
		Internet Networks				(GI0) Geo Studies	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies	
2.	E233					(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	E236A	Compu	utational Int	elligence Fundamentals		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
4.	E2K42	Knowle	Knowledge Based Systems			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
5.	ISIT41	eGove	rnment tecl	hnologies and systems		(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
6.	BMI101	Introdu	uction to Me	edical Informatics		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
7	SES103	Oral a	nd written o	communication skills		(SE0) Soft Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
	010100	2.4.4				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
8.	SES301	IT Law	,			(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
0. 32301		L Law				(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	ist of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type				
			(E20) Computing and Control Engineering, Master Academic Studies				
9.	E2513	Semantic Web	(PM0) Production Engineering, Master Academic Studies				
			(SE0) Software Engineering and Information Technologies, Master Academic Studies				
10	50514		(E20) Computing and Control Engineering, Master Academic Studies				
10.	E2514	Biologically inspired computing	(SE0) Software Engineering and Information Technologies, Master Academic Studies				
			(I20) Engineering Management, Specialised Professional Studies				
11.	EP002	EBusiness technologies and systems	(IB0) Engineering Management - MBA, Specialised Professional Studies				
40	50505		(E20) Computing and Control Engineering, Master Academic Studies				
12.	E2525	Contemporary educational technologies and standards	(SE0) Software Engineering and Information Technologies, Master Academic Studies				
13.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies				
14.	DAU002	Selected Chapters in Computing	(F00) Graphic Engineering and Design, Doctoral Academic Studies				
			(H00) Mechatronics, Doctoral Academic Studies				
15		Selected Chapters in Computational Intelligence	(E20) Computing and Control Engineering, Doctoral Academic Studies				
15.	DRNI07		(OM1) Mathematics in Engineering, Doctoral Academic Studies				
16.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies				
17		Salastad Tanias in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies				
17.	DA0014	Selected Topics in Computing	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
18.	DRNI10	Selected Topics in E-Government	(E20) Computing and Control Engineering, Doctoral Academic Studies				
10		Salastad Tanjas in ICT anhanced learning	(E20) Computing and Control Engineering, Doctoral Academic Studies				
19.	DRNH		(OM1) Mathematics in Engineering, Doctoral Academic Studies				
Rep	oresentative	e refferences (minimum 5, not more than 10)					
1.	Obradovi Fuzzy Se	c Djordje, Konjovic Zora, Pap Endre, Ralevic Nebojsa (2011 ets and Systems, Vol. 170 no. 1, pp. 76-94	1). The maximal distance between imprecise point objects,				
2.	Obradovi Based Sy	c Djordje, Konjovic Zora, Pap Endre, Rudas Imre (2012). Liu /stems (rad objavljen u elektronskom obliku http://www.scieu	near Fuzzy Space Based Road Lane Detection. Knowledge- ncedirect.com/science/article/pii/S0950705112000032)				
3.	Kovačevi publicatio	c Aleksandar, Konjović Zora, Milosavljević Branko, Nenadons: A case study in automatic terminology recognition, Com	lić Goran (2012). Mining methodologies from NLP nputer Speech And Language, Vol. 26 no. 2, pp. 105-126				
4.	Gostojić : Governm	Stevan, Sladić Goran, Milosavljević Branko, Konjović Zora (ent Services. Journal of Organizational Computing and Elec	2012). Context-sensitive Access Control Model for ctronic Commerce, Vol. 22 no. 2, pp. 184-213				
5.	Sladić Go Electronio	oran, Milosavljević Branko, Surla Dušan, Konjović Zora (201 c Library (ISSN: 0264-0473), 30:5, pp. 623-652	2). Flexible Access Control Framework for MARC Records.				
6.	Savić Go Instructio	ran, Segedinac Milan, Konjović, Zora (2012).Automatic Gen nal Design. Computer Science and Information Systems. Vo	neration of E-Courses Based on Explicit Representation of ol. 9 no. 2, pp. 839 – 869.				
7.	Sladić Go Collection	oran, Milosavljević Branko, Konjović Zora, Vidaković Milan (ns. Computer Science and Information Systems / ComSIS (I	2011). Access Control Framework for XML Document ISSN: 1820-0214), 8:3, pp. 591-609				
8.	Ivanovic Library, V	Dragan, Surla Dusan, Konjovic Zora (2011). CERIF compati /ol. 29 no. 1, pp. 52-70	ible data model based on MARC 21 format, Electronic				
9.	Kovacevi metadata 376-396	c Aleksandar, Ivanovic Dragan, Milosavljevic Branko, Kon I from scientific publications for CRIS systems, Program-Ele	jovic Zora, Surla Dusan (2011). Automatic extraction of ctronic Library and Information Systems, Vol. 45 no. 4, pp.				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

Representative refferences (minimum 5, not more than 10)						
10.). Segedinac, Milan, Konjović, Zora, Segedinac Mirjana, Savić, Goran (2011). A Formal Approach to Organization of Educational Objectives. Psihologija, Vol. 44 no. 4, pp. 307-323.					
Su	nmary data for teacher's scientific or art and profe	essional activity:				
Quot	ation total :	0				
Tota	Total of SCI(SSCI) list papers : 15					
Curr	Current projects : Domestic : 2 International : 1					



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Kostić Z. Marko						
Acad	lemic title:				Associate Professor				
Nam	e of the inst	titution v	where the te	acher works full time and	Faculty of Teo	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				15.10.1999				
Scier	ntific or art f	ield:	X	1 00 0	Mathematics		-		
Acad	lemic caries	er	Year	Institution					
Acad	lemic title el	lection:	2010	Faculty of Technical Scie	ences - Novi Sa	ad	Mathematics		
PhD	thesis		2004	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Roch	ster thesis		2001	Faculty of Sciences - No	wi Sod		Mathematical Sciences		
List		s oing bol	1999 d by the to	Faculty of Sciences - No	idu programma		Mathematical Sciences		
LISU					iuy programme	.5			
	ID	Course	e name			Study pro	gramme name, study type		
1.	E121	Mathe	matical Ana	Ilysis 2		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	E135B	Mathe	matical Ana	lysis 2		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
3.	E212	Mathe	matical Ana	lysis 1		(SE0) Soft Undergrad	ware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Soft Loznica, U	ware Engineering and Information Technologies - ndergraduate Academic Studies		
4.	EOS07	Mathe	matics 2			(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies			
5.	F101	Mathe	matics			(F00) Graj Academic	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
6.	GI107	Mathematical Analysis 1				(GI0) Geo Studies	GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
						(M20) Mea Undergrad	chanization and Construction Engineering, uate Academic Studies		
7	M106	Matha	mation 2			(M30) Energy and Process Engineering, Undergraduate Academic Studies			
7.	WITOO	Maule				(M40) Tec Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		
						(P00) Prod Studies	duction Engineering, Undergraduate Academic		
8.	M4202	Applie	d Mathema	tical Analysis		(M40) Tec Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		
9.	ISIT06	Matem	atika 2			(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
10.	0M501	Functio	onal Analys	is		(OM1) Ma Studies	thematics in Engineering, Master Academic		
11.	0ML501	Functio	onal Analys	is		(OM1) Ma Studies	thematics in Engineering, Master Academic		
						(E11) Pow Engineerin	rer, Electronic and Telecommunication g, Specialised Academic Studies		
						(112) Indus	strial Engineering, Specialised Academic Studies		
12. DZ01M		Select	ed Chapters	s in Mathematics		(I22) Engil Studies	neering Management, Specialised Academic		
				(Z00) Environmental Engineering, Specialised Academic Studies					
13.	Z506	20BAd	vanced Co	urse in Mathematics 1		(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
						(Z20) Envii	ronmental Engineering, Master Academic Studies		
14.	Z506	Viši ku	rs matemat	ike 1(uneti naziv na engle	eskom)	(Z20) Envii	ronmental Engineering, Master Academic Studies		
15.	D0M01	Functio	onal Analys	is 1		(OM1) Mathematics in Engineering, Doctoral Academic Studies			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	t of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study programme name, study type				
16.	D0M19	Functional Analysis 2		(OM1) Mathematics in Engineering, Doctoral Academic Studies				
17.	DZ01M	Selected Chapters in Mathematics		 (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (G00) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (120) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Sofety et Wark, Doctoral Academic Studies 				
Rep	presentative	e refferences (minimum 5, not more the	an 10)					
1.	Kostić, M	arko, Distribution cosine functions. Ta	iwanese J. Math. 10 (2	2006), no. 3, 739775.				
2.	Kostić M	arko,On analytic integrated semigroup	s. Novi Sad J. Math.	35 (2005), no. 1, 127135.				
3.	Kostić M (2003), 7	arko,Convoluted \$C\$-cosine functions 592.	s and convoluted \$C\$-	semigroups. Bull. Cl. Sci. Math. Nat. Sci. Math. No. 28				
4.	Kostić Ma	arko, On a class of quasi-distribution s	emigroups, Novi Sad	J. Math 36 (2), 137-152				
5.	M. Kostić Journal o	, P. J. Miana, Relations between distri f Mathematics 11 (2007), 531543.	bution cosine function	s and almost-distribution cosine functions, Taiwanese				
6.	M. Kostić	, S. Pilipović, Global convoluted semi	groups, accepted in M	ath. Nachr.				
7.	M. Kostić accepted	, S. Pilipović: Convoluted C-cosine fur in J. Math. Anal. Appl.	nctions and semigroup	s. Relations with ultradistribution and hyperfunction sines,				
8.	M. Kostić	: Complex powers of operators, accept	ted in Publications De	"I Institute Mathematique				
9.	M. Kostić	: C-Distribution semigroups, Studia M	ath. 185 (2008), 201	217.				
10.	M. Kostić	: Convoluted operator families and ab	stract Cauchy problem	ns, accepted in Kragujevac Journal of Mathematics				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		32					
Tota	of SCI(SS	CI) list papers :	15					
Curre	ent projects		Domestic :	1 International: 0				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	e and last n	ame:			Kovačević M. Ilija			
Acad	lemic title:				Full Professor			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.09.1972			
Scier	ntific or art f	ield:			Mathematics	Mathematics		
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	1990	Faculty of Technical Sci	ences - Novi S	ad	Mathematics	
PhD	thesis		1979	Faculty of Mathematics	- Beograd		Mathematical Sciences	
Magi	ster thesis		1975	Faculty of Mathematics	- Beograd		Mathematical Sciences	
Bach	elor's thesis	s	1971	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E212	Mathe	matical Ana	Ilysis 1		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
2	FF204	Select	ed Chapter	s in Mathematics		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
		001001				(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
2	E102	Matha	motioal Ana	alucio 1		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
э.	E102	waute	matical Ana	iiysis i		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
4.	E102A	Mathe	matical Ana	Ilysis 1		(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
5.	IM1423	Financ	ial Mathem	atics		(I20) Engir Studies	neering Management, Undergraduate Academic	
6.	0M501	Functi	onal Analys	is		(OM1) Mathematics in Engineering, Master Academic Studies		
7.	0ML501	Functi	onal Analys	is		(OM1) Ma Studies	thematics in Engineering, Master Academic	
						(E11) Pow Engineerin	ver, Electronic and Telecommunication Ig, Specialised Academic Studies	
		Selected Chapters in Mathematics				(112) Indu	strial Engineering, Specialised Academic Studies	
8.	DZ01MS					(I22) Engi Studies	neering Management, Specialised Academic	
						(Z00) Env Studies	ironmental Engineering, Specialised Academic	
0	1004/8	Statiat	ical Quantit	ativo Mothodo		(I20) Engi Studies	neering Management, Specialised Professional	
9.	1004/3	Statist				(IB0) Engi Profession	neering Management - MBA, Specialised al Studies	
10.	GS012	Select	ed Chapter	s in Mathematics		(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	
11.	MPK001	Statist	ical and Nu	merical Methods		(MPK) Inž naziv na e	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies	
12.	SDOM3 0	Probal Experi	oility, Statist ment	tics and Theory of Engine	ering	(Z00) Env Studies	ironmental Engineering, Specialised Academic	
13.	D0M01	Functi	onal Analys	is 1		(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
14.	D0M19	Functi	onal Analys	is 2		(OM1) Mathematics in Engineering, Doctoral Academic Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study programme name, study type			
				(M00) Mechanical Engineering, Doctoral Academic Studies			
				(M40) Technical Mechanics, Doctoral Academic Studies			
15.	DOM30	Experiment	Engineering	(Z00) Environmental Engineering, Doctoral Academic Studies			
				(Z01) Safety at Work, Doctoral Academic Studies			
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			
				(E20) Computing and Control Engineering, Doctoral Academic Studies			
				(F00) Graphic Engineering and Design, Doctoral Academic Studies			
				(F20) Engineering Animation, Doctoral Academic Studies			
				(G00) Civil Engineering, Doctoral Academic Studies			
				(GI0) Geodesy and Geomatics, Doctoral Academic Studies			
16	D701M	Selected Chapters in Mathematics		(H00) Mechatronics, Doctoral Academic Studies			
10.	DECTIVI	Selected Chapters in Mathematics		(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies			
				(M00) Mechanical Engineering, Doctoral Academic Studies			
				(M40) Technical Mechanics, Doctoral Academic Studies			
				(OM1) Mathematics in Engineering, Doctoral Academic Studies			
				(S00) Traffic Engineering, Doctoral Academic Studies			
				(Z00) Environmental Engineering, Doctoral Academic Studies			
				(Z01) Safety at Work, Doctoral Academic Studies			
Rep	oresentative	refferences (minimum 5, not more th	an 10)				
1.	I.Kovačev of Pure a	vić, On alfa-Hausdorff subsets, almost nd Applied mathematics 20 (4) 1989.,	closed mappings and 334-340.	almost upper semicontinuous decomposition, Indian Jurnal			
2.	N. Adžić, 299.	I. Kovačević, V. Marić, V. Ungar, Mat	ematička analiza 2, F⊺	IN (Edicija tehničke nauke-udžbenici), Novi Sad, 1996., 1-			
3.	I. Kovače izdanje)2	vić, N. Ralević, Funkcionalna analiza, 004., 1-203.	FTN (Edicija tehničke	nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno			
4.	I. Kovače ,(Ponovlje	vić, N. Ralević, B.Carić,V.Marić,M.No eno i dopunjeno izdanje), FTN (Edicija	vković,S.Medić,Maten tehničke nauke-udžt	natička analiza 1- uvodni pojmovi i granični procesi penici) Novi Sad, 2012,1-155.			
5.	I.Kovačev diferencij	vić, V.Marić, M.Novković, B.Carić, N.F alne jednačine (Ponovljeno i dopunjer	alević,S.Medić, Mater no izdanje),FTN (Edicij	natička analiza 1 - diferencijalni i integralni račun, obične a tehničke nauke-udžbenici), Novi Sad,2012., 1-280.			
6.	I. Kovače	vić, Algebra, Naučna knjiga, Beograd	, 1990., 1-116.				
7.	I.Kovačev Novi Sad	vić, N.Ralević, V.MarićV.Ćurić, Integra	li funkcija više promer	nljivih i teorija polja, FTN (Edicija tehničke nauke-udžbenici),			
8.	I.Kovačev	vić, Some properties of Mn subsets ar	d almost closed maps	pings, Indian J.pure appl. Math., 27(9), 1996., 875-881.			
9.	I.Kovačev mathema	vić, On almost closed mapping, parace	ompactness and partia	al equivalence relatuions, Indian Journal of Pure and Applied			
10.	Kiurski J. the asses	, Oros I., Ralević N., Kovačević I., Ada ssment of fountain solution quality, Ca 1842-4090	amović (Majkić) S., Kra rpathian Journal of Ea	stić J., Čomić L.: Cluster and principal component analysis in rth and Environmental Sciences, 2013, Vol. 8, No 1, pp. 19-			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		28				
Total	of SCI(SS	CI) list papers :	7				
Curre	ent projects	:	Domestic :	3 International : 2			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name: Kova			Kovačević V.	Kovačević V. Jelena				
Acad	lemic title:				Assistant Professor			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Te	Faculty of Technical Sciences - Novi Sad		
Scier	ntific or art f	ield:			Computer En	aineerina ar	nd Computer Communication	
Acad	lemic carie	er	Year	Institution		gineering al	Field	
Acad	lemic title e	lection:	2011	Faculty of Technical Scie	ences - Novi Sa	ad	Computer Engineering and Computer	
PhD	thesis		2010				Computer Engineering and Computer	
PhD	thesis		2010	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering and Computer	
Magi	ster thesis		2003	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering and Computer Communication	
Bach	elor's thesis	S	1997	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering and Computer Communication	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1	DT44		rabitaatura	and Algorithms 1		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
1.	R144	DSP A	DSP Architecture and Algonithms 1			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
					(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
2	RT46	DSP Architecture and Algorithms 2				(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
۷.						(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	RT52	Dedicated Computer Structure Design 2				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
						(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
4.	IGB340	Funda	mentals of	Engineering Animation		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
5.	EK465	Archite	ectures of d	gital signal processors		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
6	RT59	Real-T	ime Systen	n Desian		(MR0) Me Academic	asurement and Control Engineering, Master Studies	
0.		i tour- i	o oyoton	001911		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies	
7	RT511	Practic	cum in com	outer engineering and con	nputer	(E20) Con Academic	nputing and Control Engineering, Master Studies	
		comm	unications			(SE0) Soft Master Aca	tware Engineering and Information Technologies, ademic Studies	
8.	DRT06	Select	ed chapters	on DSP systems		(E20) Computing and Control Engineering, Doctoral Academic Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

Rep	presentative refferences (minimum 5, not more th	an 10)		_				
1.	Kovacevic Jelena, Samardzija Dragan, Temerinac Miodrag, "Joint coding rate control for audio streaming in short range wireless networks", IEEE TRANSACTIONS ON CONSUMER ELECTRONICS Vol: 55 Nr: 2 Str: 486 - 491 ISBN: ISSN: 0098-3063, 2009 (M22)							
2.	Kovacevic Jelena, Samardzija Dragan, Temerinac Miodrag, "Optimized Joint Coding Algorithm for Audio Streaming in Short Range Wireless Networks", International Conference on Consumer Electronics, Las Vegas, ISBN: 978-1-4244-4701-5, Izdavac: IEEE Consumer Electronic Society, 2009.							
3.	Simic Dragan, Lukac Zeljko, Stefanovic Dejan, Kovacevic Jelena, Babic-Zdravkovic Sanja, "Real-time implementation of waveform interpolative voice codec with aspect to very low bit-rates" MIPRO - International convention on information and communication technology, electronics and microelectronics, Croatian Society For Microprocessor Systems And Information Systems, Microelectronics And Electronics, ISBN: 953-233-003-8, 2004.							
4.	Jovanovic Marija, Kovacevic Jelena, "Partitioning DSP Applications on a Multi-core Architecture Based on Load Balancing", IEEE Eastern European Conference on the Engineering of Computer Based Systems, Str: 154 – 155, ISBN: 978-1-4244-4677-3, Izdavac: IEEE, 2009.							
5.	Jovanovic Marija, Sajic Dejan, Kovacevic Jelena, "Optimization of lossless audio decoders on a class of embedded systems with two cores", International Conference on Digital Signal Processing, str. 1-6, ISBN: 978-1-4244-3297-4, Izdavac: IEEE, 2009.							
6.	Popovic Miroslav,Basicevic Ilija,Velikic Ivan, Kovacevic Jelena, " A Model-Based Statistical Usage Testing of Communication Protocols",13th Annual IEEE International Symposium and Workshop on Engineering of Computer Based Systems (ECBS"06), Str: 377 – 386, ISBN: 0-7695-2546-6, Izdavac:ECBS							
7.	Popovic Miroslav, Kovacevic Jelena, "A Statisti Conference and Workshop on Engineering of 0 2007.	ical Approach to Mode Computer Based Syste	l-Based Robustne ems, str: 485 – 49	ess Testing", 14th Annual IE 4, ISBN: 0-7695-2772-8, Izd	EE International avac: IEEE,			
8.	Djukic Miodrag, Četic Nenad, Kovačević Jelena DSP Applications on a Class of Embedded Sys	a, Popovic Miroslav, "A stems", ISCE, IEEE, IS	A C Compiler Bas BN: 978-1-4244-	ed Methodology For Implem 2422-1, 2008.	enting Audio			
9.	Gajic Marko, Kovacevic Jelena, Petrovic Djordj ALGORITHM FOR REMOVING AUDIO DISTO	e, Temerinac Miodrag RTION" IBC 2011, Ar	, Teslic Nikola, "A nsterdam Vol., Nr	A SMART POST PROCESSI ., Str.0-0, ISBN:, ISSN:, Izda	NG Ivac: IBC 2011			
10.	Gajic Marko, Kovacevic Jelena, Djukic Miodrag, Peckai-Kovac Robert, "Using a Simple Algorithm in SPP for Audio Quality Improvement Checkout" 19th Telecommunications forum TELFOR 2011, Serbia, Belgrade, November 22-24, 2011. Vol., Nr., Str.1115-1118, ISBN:978-1-4577-1498-6, ISSN:CFP1198P-CDR, Izdavac: Društvo za telekomunikacije – TELFOR							
Sur	nmary data for teacher's scientific or art and profe	essional activity:						
Quot	ation total :	0						
Tota	of SCI(SSCI) list papers :	0						
Curre	rrent projects : 0 International : 0							



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name: Ko			Kovačević D. Aleksandar						
Acad	lemic title:				Assistant Professor				
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starting date:			15.07.2007						
Scier	ntific or art f	ield:			Applied Comp	outer Scienc	ce and Informatics		
Acad	lemic caries	er	Year	Institution		Field			
Acad	lemic title e	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
PhD	thesis		2011	Faculty of Technical Sci	ences - Novi Sa	ad	Informatics		
Magi	ster thesis		2006	Faculty of Technical Sci	ences - Novi Sa	ad	Informatics		
Bach	elor's thesi	S	2003	Faculty of Sciences - No	ovi Sad		Information-Communication Systems		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	E2K42	Knowle	edge Basec	I Systems		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
							tware Engineering and Information Technologies - ndergraduate Academic Studies		
2.	ISIT03	Introdu	uction to Pro	ogramming		(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
3.	ISIT27	Osnov	e softverski	h arhitektura		(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
4.	ISIT29	XML T	echnologie	S		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
5.	ISIT47	E-learr	ning tools a	nd technologies		(SII) Softw Undergrad	SII) Software and Information Technologies (Inđija), Indergraduate Professional Studies		
6.	GI111	Information technologies in geodesy				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
-	85.8202	Maabii				(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
7.	3E3203	Machin	le Learning			(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
8	E2503	Data N	lining and [Data Analysis Systems		(E20) Con Academic	nputing and Control Engineering, Master Studies		
0.	L2303	Data N		Sala Analysis Systems		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies		
0	E2514	Biolog	icaly inspire			(E20) Con Academic	nputing and Control Engineering, Master Studies		
9.	L2314	ыыод	icaly inspire	acomputing		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies		
10.	GS014	The ap efficier	oplication of	information technologies	in energy	(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic		
11	F2524	Text M	linina			(E20) Con Academic	nputing and Control Engineering, Master Studies		
		I OAT IV				(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies		
12	F2527	Busine	ss Intellige	nce		(E20) Con Academic	nputing and Control Engineering, Master Studies		
					(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies			
13.	SEM005	Decisio	on Support	Systems		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies		
1.4	בטוואסט	Soloot	ed Chanter	a in Computational Intelli		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies		
14.					Jenice	(OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
15.	DRNI14	Select	ed Chapters	s in Machine Learning		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation



Rep	Representative refferences (minimum 5, not more than 10)						
1.	Pretraživanje zvučnih zapisa						
2.	Adaptivni sistem za pretraživanje zvučnih zapisa						
3.	Kovačević, A., Milosavljević, B. "The Use of R-Trees for Content-Based Audio Retrieval". In Proceedings of the 13th Scientific Conference on Industrial Systems, Herceg Novi, 2005. M63						
4.	Kovačević A., Milosavljević, B., Konjović, Z. "Tjuniranje prostora osobina za pretraživanje zvučnih zapisa". Zbornik radova YUInfo 2006, Kopaonik, Srbija, 2006. ISBN: 86-85525-01-2. M63						
5.	Kovačević, A., Milosavljević, B., Konjović, Z., and Vidaković, M. 2010. "Adaptive content-based music retrieval system". Multimedia Tools and Applications, 47(3) (May. 2010), pp. 525-544. doi: http://dx.doi.org/10.1007/s11042-009-0336-2. ISSN: 1380-7501 (Print), 1573-7721 (Online). M23.						
6.	Kovačević, A., Ivanović D., Milosavljević B., Konjović Z., Surla D., 2011. "Automatic extraction of metadata from scientific publications for CRIS systems" Program: Electronic library and information systems, 45(4), pp. 376 - 396. doi: http://dx.doi.org/10.1108/00330331111182094. ISSN: 0033-0337. M23						
7.	Aleksandar Kovačević, Automatizovano izdvajanje semantike iz naučnih članaka u oblasti informatike, doktorska disertacija, Fakultet tehničkih nauka, Novi Sad, 2011.						
8.	Majstorović D, Pele Z, Kovačević A, Čelanović the First IEEE Eastern European Conference o 2009. ISBN: 978-0-7695-3759-7. M33	N. "Computer Based I on the Engineering of (Emulation of Pow Computer Based S	er Electronics Hardware", In Systems, Novi Sad, Serbia, p	Proceedings of bages 56-64,		
9.	Slivka, J. Kovačević, A., Konjović, Z., 2010. "C Proceedings of the 8th International Symposiu 978-1-4244-7395-3. M33	o-training based algori m on Intelligent Syster	thm for datasets on the second s	without the natural feature sp s, Subotica, Serbia, 279-284	olit." In , 2010. ISBN:		
10.	Miljković, D., Gajić, Lj., Kovačević, A., Konjović, Z., 2010. The use of data mining for basketball matches outcomes prediction. In 0. Proceedings of the 8th International Symposium on Intelligent Systems and Informatics, Subotica, Serbia, 2010. 309-312. ISBN: 978-1-4244-7395-3. M33.						
Sur	nmary data for teacher's scientific or art and profe	essional activity:					
Quot	ation total :	12					
Tota	of SCI(SSCI) list papers :	3					
Curre	ent projects :	Domestic :	2	International :	0		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Kukolj D. Dragan				
Acad	lemic title:					Full Professor			
Nam	e of the inst	itution v	vhere the te	acher works full tin	ne and	Faculty of Te	chnical Scie	nces - Novi Sad	
starti	ng date:					01.05.1983			
Scier	ntific or art f	ield:	Maar	1		Computer Engineering and Computer Communication			
Acad	lemic caries	er	Year	Institution					
Acad	lemic title el	ection:	2003	Faculty of Techni	cal Sci	ences - Novi S	ad	Computer Engineering and Computer Communication	
PhD	thesis		1993	Faculty of Techni	cal Sci	ences - Novi S	ad	Electrical and Computer Engineering	
Magi	ster thesis		1988	Faculty of Techni	cal Sci	ences - Novi S	ad	Electrical and Computer Engineering	
Bach	elor's thesis	S	1982	Faculty of Techni	cal Sci	ences - Novi S	ad	Electrical and Computer Engineering	
List c	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	s		
	ID	Course	e name				Study pro	gramme name, study type	
							(E20) Com	nputing and Control Engineering, Undergraduate	
1.	RT43	Engine	ering of Co	omputer Based Sys	tems		(SE0) Soft	tware Engineering and Information Technologies, uate Academic Studies	
							(E20) Con	nputing and Control Engineering, Master	
							(MR0) Me	asurement and Control Engineering, Master	
2.	RT59	Real-T	ime Systen	n Design	Acade (SE0		(SE0) Soft	(SE0) Software Engineering and Information Technologies,	
							(E10) Powe	er, Electronic and Telecommunication	
				nd oon	aputor	(E20) Con	nputing and Control Engineering, Master		
3.	RT511	comm	unications			(SE0) So Master Ad		tware Engineering and Information Technologies, ademic Studies	
4.	DRT09	Compu	utational Int	elligence Based Sy	/stems		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)		1		
1.	D. Kukolj 34. No. 1	, E. Levi Februa	, Identificat	ion of Complex Sys	stems E	Based on Neur	al and Taka	gi-Sugeno Fuzzy Model, IEEE SMC-part B, Vol.	
2.	D. Kukolj	, S. Kuz 1. Mav :	manovic, E	. Levi, Design of a 7-34	Near-C	ptimal, Wide-F	Range Fuzzy	/ Logic Controller, Fuzzy Sets & Systems, Vol.	
3.	D. Kukolj	, S. Kuz	manovic, E	. Levi, Design of a	PID-Lik	e Dual Fuzzy I	Logic Contro	oller, IFAC Engineering Applications of Artificial	
4.	D. Kukolj	, B. Atla	gić, M. Petr	ov, Unlabeled data	a cluste	ring using a re-	organizing r	neural network, Cybernetics and Systems, An Int.	
5.	D. Kukolj	, Desigr	of Supervi	sory Control Funct	ions Ba 749-76	used on Feedfo	rward Neura	al Networks, Cybernetics & Systems: An	
6.	D. Kukolj Mathema	, D. Pop	ovic, M. Bo Application	rota, Applied Unsu ns. Vol.33. No. 3. 1	pervise 997. pr	ed Learning in I 0.95-103.	Model Redu	ction of Linear Dynamic Systems, Computers &	
7.	D. Kukoli	ALGO		ŽNOG PROGRAM	IIRAN.I	A. Univerzitet ı	Novom Sa	du. Novi Sad. 2001.	
8.	D. Kukolj	, F. Kuli	ć, PROJEK	TOVANJE SISTEN	IA AUT	OMATSKOG I	JPRAVLJAN	NJA U PROSTORU STANJA, Univerzitet u	
9.	D. Kukolj	et al., D	etermining	Topological Chang	ges And	d Critical Load	Levels Of A	Power System By Means Of Artificial Neural	
10.	D. Kukolj	, et al., l	Fast Dynam	nic Stability Analysi	s of a F	Power System	Using Artifici	ial Neural Networks, ETEP -European	
Sur	nmary data	for teac	her's scient	tific or art and profe	essiona	l activity:	, 1000, pp. 2		
Quot	ation total :				50				
Total	of SCI(SS	CI) list p	apers :		15				
Current projects : Domestic :				estic :	1	International : 1			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Kulić J. Filip				
Academic title:					Associate Professor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad				
starting date:					01.09.1994				
Scientific or art field:					Automatic Co	ntrol and Sy	vstem Engineering		
Academic carieer Year Institution							Field		
Acad	lemic title e	ection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
PhD	thesis		2003	Faculty of Technical Sci	ences - Novi S	Automatic Control and System Engineering			
Magi	ster thesis		1999	Faculty of Technical Sci	ences - Novi S	Ad Automatic Control and System Engineering			
Bach	elor's thesis	S	1994	Faculty of Technical Sci	ences - Novi S	ad Electroenergetics			
List o	of courses b	eing hel	d by the tea	acher in the accredited stu	udy programme	s			
ID Course name				Study programme name, study type					
		Oratio	l Oueterre I	Desim		(E20) Computing and Control Engineering, Undergraduate Academic Studies			
1.	AU44	Contro	i Systems I	Jesign		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
		Automatic Control Systems				(H00) Med	chatronics, Undergraduate Academic Studies		
2.	E226					(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
		Control Systems Technology				(BM0) Biomedical Engineering, Undergraduate Academic Studies			
3.	E238A				(E20) Co Academic		omputing and Control Engineering, Undergraduate ic Studies		
				(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies				
	551000					(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
4.	4. EEI302 Systems of Automatic Control in Power Enginee			gineering	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
5.	H1405	Optimi	zation Meth	nods		(H00) Meo	chatronics, Undergraduate Academic Studies		
6.	H302	Contro	I Systems 2	2		(H00) Mechatronics, Undergraduate Academic Studies			
7.	M325	Autom	atic Control	Systems		(M20) Meo Undergrad	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
8.	BMI125	Biological Control Systems				(BM0) Biomedical Engineering, Undergraduate Academic Studies			
				ystems	(E20) Computing and Control Engineering, Undergraduate Academic Studies				
9.	E2315	Electrical Machines in Automatic Control Sy			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies				
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
10.	10. EMSAU Automatic Control Systems in Electronics				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
11.	SEAU01	Nonlinear programming and evolutionary co			omputations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
12.	SEAU03	Real-time control algorithms				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
13.	DE410S	Selected Topics in the Field of Automatic C			ontrol	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies			



UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	ist of courses being held by the teacher in the accredited study programmes								
	ID	Course name	Study programme name, study type						
			(E20) Computing and Control Engineering, Master Academic Studies						
14.	E2515	Intelligent Control Systems	(MR0) Measurement and Control Engineering, Master Academic Studies						
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies						
15.	M2550	Automatic Control Systems in Motor Vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies						
16.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies						
17.	SEAM01	Intelligent Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies						
18.	DAU007	Selected Topics in Artificial Intelligence in Control and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies						
10		Only shad Taxian in the Field of Astronatic Oracles	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies						
19.	DL410	Selected Topics in the Field of Automatic Control	(OM1) Mathematics in Engineering, Doctoral Academic Studies						
			(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies						
			(E20) Computing and Control Engineering, Doctoral Academic Studies						
			(F00) Graphic Engineering and Design, Doctoral Academic Studies						
			(F20) Engineering Animation, Doctoral Academic Studies						
			(G00) Civil Engineering, Doctoral Academic Studies						
20	SID04	Current State in the Field	(GI0) Geodesy and Geomatics, Doctoral Academic Studies						
20.	51004		(H00) Mechatronics, Doctoral Academic Studies						
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies						
			(M00) Mechanical Engineering, Doctoral Academic Studies						
			(OM1) Mathematics in Engineering, Doctoral Academic Studies						
			(S00) Traffic Engineering, Doctoral Academic Studies						
			(Z00) Environmental Engineering, Doctoral Academic Studies						
21.	DAU017	Selected Topics from Totally Integrated Automatic Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies						
			(A00) Architecture, Doctoral Academic Studies						
22.	SID04	Present State in the Field	(AS0) Scenic Design, Doctoral Academic Studies						
			(Z01) Safety at Work, Doctoral Academic Studies						
Rep	presentative	e refferences (minimum 5, not more than 10)							
1.	1. Dragan Kukolj, Vesna Bengin, Filip Kulić: Osnovi klasične teorije automatskog upravljanja kroz rešene probleme, Sombor, Somel, 1995. 241str., UDK: 681.5(075.8),								
2.	Dragan Kukolj, Filip Kulić: Projektovanje sistema automatskog upravljanja u prostoru stanja, Novi Sad, Fakulet tehničkih nauka, 1995. 232str., UDK: 681.5(075.8),								
3.	D.Kukolj, F.Kulić, E.Levi: Design Of The Speed Controller For Sensorless Electric Drives Based On AI Techniques: A Comparative Study, Artificial Intelligence in Engineering, 2000, Vol. 14, str. 165- 174								
4.	D.Kukolj, S.Kuzmanović, E.Levi, F.Kulić: Design of Near Optimal, Wide Range Fuzzy Logic Controller, Fuzzy Sets and Systems, 2001, Vol. 120, No. 1, str. 17- 34								
5.	D.Kukolj, F.Kulić, D.Popović, Z.Gorečan: Determining Topological Changes and Critical Load Levels of a Power System by Means of Artificial Neural Network, Electric Machines and Power Systems, 1997, Vol. 25, No. 8, str. 917- 926, ISSN 0731-356x.								
6.	D.Kukolj, D.Popović, F.Kulić, Z.Gorečan: Fast Dynamic Stability Analysis of a Power System Using Artificial Neural Networks, European Transactions on Electrical Power (ETEP), 1998, Vol. 8, No. 3, str. 207- 212, ISSN 1430-144X.								
7.	D.Popović, D.Kukolj, F.Kulić: Monitoring and Assessment of Voltage Stability Margins Using Artificial Neural Networks with a Reduced Input Set, IEE ProcGener. Transm. Distrib, 1998, Vol. 145, No. 4, str. 355- 362, ISSN 1350-2360.								



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

Representative refferences (minimum 5, not more than 10)								
8.	Matić Dragan, Kulić Filip, Pineda-Sanchez Manuel, Kamenko Ilija: "Support vector machine classifier for diagnosis in electrical machines: Application to broken bar", Expert Systems With Applications, vol.39 br.10, str. 8681-8689, 2012.							
9.	Čongradac Velimir, Kulić Filip: "Recognition of the importance of using artificial neural networks and genetic algorithms to optimize chiller operation", Energy and Buildings, vol. 47, str. 651-658; April 2012.							
10.	llić Slobodan; Vukmirović Srđan; Erdeljan Aleksandar; Kulić Filip: "Hybrid Artificial Neural Network System for Short-Term Load Forecasting, Thermal Science, vol.16, br., str. S215-S224, 2012							
Sur	Summary data for teacher's scientific or art and professional activity:							
Quot	ation total :	32						
Tota	of SCI(SSCI) list papers :	12						
Curre	ent projects :	Domestic :	2	International :	0			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name: Lendak					Lendak I. Imr	dak I. Imre		
Academic title: Assistan					Assistant Pro	ant Professor		
Name of the institution where the teacher works full time and Faculty of					Faculty of Tee	echnical Sciences - Novi Sad		
starting date: 01.0					01.02.2005	1.02.2005		
Scientific or art field: Automa						ntrol and Sy	/stem Engineering	
Academic carieer Year Institution							Field	
Acad	lemic title el	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
PhD	thesis		2011	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Magi	ster thesis		2007	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Bach	elor's thesis	S	2002	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
							nputing and Control Engineering, Undergraduate Studies ver Software Engineering, Undergraduate Studies	
1	E232	System Modeling and Simulation				(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
	LZUZ					(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
2.	GI303A	Distrib	uted Syster	ns in Geomatics		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
				(E20) Computing and Control Engineering, Undergraduate Academic Studies				
3.	E2312 Soliware design for SCADA systems				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
4.	ESI003	Electric power software development				(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
5.	ESI011	Software security and safety in power engir			neering	(ES0) Power Software Engineering, Undergraduate Academic Studies		
6.	ESI016	Smart Grid Programming				(ES0) Power Software Engineering, Undergraduate Academic Studies		
7.	ESI017	Mobile computing in power systems				(ES0) Power Software Engineering, Undergraduate Academic Studies		
8.	SEAU02	SCADA Software				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
	AU502	Distributed Control Systems				(E20) Con Academic	nputing and Control Engineering, Master Studies	
9.						(MR0) Measurement and Control Engineering, Master Academic Studies		
						(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
10.	S054	Computer Modelling and Simulation				(S01) Postal Traffic and Telecommunications, Master Academic Studies		
11.	BMIM3D	Development of integrated biomedical system			ems	(BM0) Biomedical Engineering, Master Academic Studies		
12.	E2533	Discre	te event sin	nulation		(E20) Computing and Control Engineering, Master Academic Studies		
13. E2535 Software Algorithms in Superviso			ns in Supervisory Control	and Data	(E20) Computing and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication			
					Engineering, Master Academic Studies			
14.	ESI033	Advanced Power Grid Communication Proto			ocols	(ES0) Power Software Engineering, Master Academic Studies		





UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study programme name, study type				
15.	ESI037	Smart Grid security and safety		(ES0) Power Software Engineering, Master Academic Studies				
16.	ESI038	Service oriented architectures in Smart Grid (ES0) Power Software Engineering, Master Academic Studies						
17.	SEAM03	Software Algorithms in Supervisory Acquisition Systems	Control and Data	(SE0) Software Master Academi	Engineering and Information c Studies	Technologies,		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.	Lendak I. Compute	, Erdeljan A. & Popović D. (2011), "Al rs and mathematics with applications,	gorithm for cataloguing February 2011, vol 6	g topologies in the 1 (3), pp. 715-721	e Common Information Mode . DOI 10.1016/j.camwa.2010	el (CIM)",).12.021		
2.	Vukmirov System v 679.	rić S., Erdeljan A., Čapko D., Lendak I vith hierarchical neural network", Inter	., Nedić N. (2011), "Oj national Journal of Co	otimization of wor mputational Intelli	kflow scheduling in Utility Ma gence Systems, 2011, vol 4	anagement (4), pp. 672-		
3.	Lendak I., Ivancevic N., Vukmirovic S., Varga E., Nenadic K. & Erdeljan A. (2012), "Client Side Internet Technologies in Critical Infrastructure Systems", International Journal of Computers, Communications & Control (IJCCC), 2012, vol 7 (5), pp. 878-890.							
4.	Vukmirovic S., Erdeljan A., Lendak I. & Capko D. (2012), "Unifying the Common Information Model (CIM)", Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, 2012, vol 57 (3), pp. 301-310.							
5.	Vukmirovic S., Erdeljan A., Lendak I. & Capko D. (2012), "Optimal Workflow Scheduling in Critical Infrastructure Systems with Neural Networks", Journal of Applied Research and Technology, 2012, vol 10 (2), pp. 114-121.							
6.	6. Čapko D., Erdeljan A., Vukmirović S. & Lendak I. (2011), "A Hybrid Genetic Algorithm for Partitioning of Data Model in Distribution Management Systems", Information Technology and Control, 2011, vol 40 (4), pp. 316-322.							
7.	Vukmirović S., Erdeljan A., Lendak I. & Čapko D. (2011), "Extension of the Common Information Model with Virtual Meter", Electronics and electrical engineering, ISSN 1392 – 1215, 2011, vol 1 (111), pp. 59-64.							
8.	Vukmirović S., Erdeljan A., Lendak I. & Čapko D. (2010), "A novel software architecture for smart metering systems", Journal of Scientific & Industrial Research, December 2010, vol 69, pp. 937-941.							
9.	Nedić N., Vukmirović S., Erdeljan A., Lendak I. & Čapko D. (2010), "A genetic algorithm approach for utility management system workflow scheduling", Information technology and control, 2010, vol 39 (4), pp. 310-319.							
10.	0. Erdeljan A., Lendak I., Vukmirović S. & Čapko D. (2007), "Otvorena softverska arhitektura za modeliranje, simulaciju i upravljanje distributivnim vodovodnim sistemima", Vodoprivreda, 2007, ISSN 0350-0519, vol 229-230, pp. 291-302.							
Sur	Summary data for teacher's scientific or art and professional activity:							
Quot	ation total :		25					
Total	Total of SCI(SSCI) list papers : 9							
Current projects : Domestic : 1 International :					International :	1		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Ličen S. Branislava			
Academic title:					Lecturer			
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:					07.04.2005			
Scientific or art field:				C.	English			
Academic carieer Year Institution				Institution		Field		
Acad	lemic title e	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	English	
Bach	elor's thesis	5	2009	Faculty of Philosophy - I	Novi Sad		Philology	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
ID Course name				Study programme name, study type				
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arcl	hitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	e intermediate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
		Izborni strani jezik 1				(F10) Engineering Animation, Undergraduate Academic Studies		
5.	E21I0					(GI0) Geodesy and Geomatics, Undergraduate Acader Studies		
						(SE0) Software Engineering and Information Technologies Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
		English Language – Elementary				(G00) Civi	il Engineering, Undergraduate Academic Studies	
	EJ01L					(M20) Mechanization and Construction Engineerin Undergraduate Academic Studies		
						(M30) Energy and Process Engineering, Undergraduate Academic Studies		
6.						(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Production Engineering, Undergraduate Academic Studies		
						(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
						(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
		English Language - Elementary			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
7.	EJ01Z				(Z01) Safety at Work, Undergraduate Academic Studies			
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate A Studies		


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Study Programme Accreditation

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I	List of sources being held by the teacher in the appredited study pregrammes
I	List of courses being held by the teacher in the accredited study brogrammes

	ID	Course name	Study programme name, study type
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
8.	EJ02L	English Language – Pre-Intermediate	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
9.			(I10) Industrial Engineering, Undergraduate Academic Studies
	E 1027	English Language Dra Intermediate	(I20) Engineering Management, Undergraduate Academic Studies
	EJUZZ		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
	EJ03Z	English Language - Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
10.			(Z01) Safety at Work, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
11.	EJ04L	English Language – Upper Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
12.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
13.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
14.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
15.		English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies
	EJ3L		(F10) Engineering Animation, Undergraduate Academic Studies
			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
16.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
17.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
18.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies
19.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
20.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
21.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
22.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
23.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
24	EIM	English Language - ESD Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies
27.	LOW	English Edilyddyc - Eol Oddise	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
25.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
26.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies

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Study Programme Accreditation

List of courses being	ng held by the teacher i	in the accredited study	programmes
			p 3

	ID	Course name	Study programme name, study type
27.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
28.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
30.	ISIT07	English Language 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
31.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
33.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
25		English for Specific Durpesse	(I10) Industrial Engineering, Undergraduate Academic Studies
35.	EJIIVI	English for specific Purposes	(I20) Engineering Management, Undergraduate Academic Studies
36.	ETI05	English language - Elementary	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
37.	ETI10	English Language-Lower	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
38.	ETI15	Engleski jezik - srednji	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
39.	ETI20	Engleski jezik - napredni	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
	EJ1Z		(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
40.		English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
41.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
42.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies
43.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
44.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies

ASITAS STUDIOR			UNIVERSITY OF NOVI SAD					
		FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
22		Study F	Programme A	ccreditatio	on	Cont		
.0	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES Software I	Engineering and I	nformation Technologies	HOS		
List o	of courses b	eing held by the teacher in the accred	dited study programme	s				
	ID	Course name		Study program	me name, study type			
45.	NIT03	Business English		(NIT) Industrial Technologies, N	Engineering - Advanced Englaster Academic Studies	gineering		
Re	presentative	e refferences (minimum 5, not more th	an 10)					
1.	"Formal a Timisoara	and Aesthetic Aspects of Nadine Gord a, br. 7, 2010., str.191-198.	limer's Short Story", R	omanian Journal	of English Studies, Universi	ty of the West		
2.	"Summaı Beogradı	rization Skills of Engineering Students J, 2011., str. 291-299.	' Reading in a Second	I Language", Jezi	k struke, izazovi i perspektiv	∕e, Univerzitet u		
3.	"On Race the 9th H	e, Ethnicity and Gender in Nadine Gor USSE Conference, Pecs, 2010., str. 2	rdimer's 'Jump and Otl 285-290.	her Stories", Sele	cted Papers in Literature an	d Culture from		
4.	"Living in British an	the Interregnum: Nadine Gordimer's ad American Studies, University of th	'Conservationist', 'Burg e West Timisoara, br.)	ger's Daughter' a XXI, maj 2011., st	nd 'July's People''', B.A.S. C r. 28.	onference on		
5.	"Preispiti	vanje istorijskog konteksta u Barnsov	om romanu Floberov p	oapagaj", Sveske	, br.100, Pančevo, jun 2011	., str. 69-77.		
6.	"Kreiranje Beogradu	e udžbenika za stručni engleski jezik z J, 2009., str.445-454.	za studente različitog p	oredznanja", Jezil	< struke, teorija i praksa, Uni	verzitet u		
7.	7. "Istorijat nastave stručnog engleskog jezika na FTN-u u Novom Sadu", Jezik struke, teorija i praksa, Univerzitet u Beogradu, 2009., str. 170-176.							
8.	Zajednica	a i pojedinac u delima Toni Morison u	romanima Najplavlje o	oko, Sula, Voljena	i Katreno luče, 2009.			
Su	mmary data	for teacher's scientific or art and profe	essional activity:					
Quot	tation total :		0					
Tota	I of SCI(SS	CI) list papers :	0					
Curr	ent projects	-	International :	0				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:				Lukić J. Tibor			
Academic title:					Assistant Pro	Assistant Professor		
Name of the institution where the teacher works full time and					Faculty of Te	Faculty of Technical Sciences - Novi Sad		
starti	ng date:				01.07.2012			
Scier	ntific or art f	ield:			Mathematics			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	ection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Mathematics	
PhD	thesis		2011	Faculty of Technical Sci	ences - Novi S	ad	Mathematics	
Magi	ster thesis		2004	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesis	5	1998	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Cor Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E212	Mathe	matical Ana	Ilysis 1		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(E20) Cor Academic	nputing and Control Engineering, Undergraduate Studies	
2	E212	Disoro	to Mathoma	tice and Linear Algebra		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
۷.	E213	Discrete Mathematics and Linear Algebra				(SE0) Sof Undergrad	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
2	E001A	Matha	motioal Ana			(E20) Cor Academic	nputing and Control Engineering, Undergraduate Studies	
э.	EZZIA	Mathe	matical Ana	iiysis z		(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies	
4.	IAM004	Geom	etry of Disc	rete Space		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
					(M20) Me Undergrad	chanization and Construction Engineering, luate Academic Studies		
5	M106	Mathematics 2				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	M106					(M40) Teo Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
						(P00)Pro Studies	duction Engineering, Undergraduate Academic	
6	M4201	Mathe	matice 3			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
0.	1017201	maule				(M40) Teo Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
7.	M4202	Applie	d Mathema	tical Analysis		(M40) Teo Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
8.	Z104	Mathe	matics 1			(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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	ID	Course name		Study program	ne name, study type			
9. Z106		Mathematics 2		(Z01) Safety at (ZC0) Clean En Academic Studie (ZP0) Disaster F Undergraduate A (Z20) Environme	Work, Undergraduate Acade ergy Technologies, Undergra s Risk Management and Fire S Academic Studies	emic Studies aduate Safety, tuate Academic		
10.	10. E101 Discrete Mathematics (ES0) Power Software Engineering, Undergradu							
11.	ISIT02	Mathematics 1		(SII) Software a Undergraduate F	nd Information Technologies Professional Studies	s (Inđija),		
12.	Z104	Matematika 1(uneti naziv na englesk	xom)	(Z20) Environme Studies	ental Engineering, Undergrad	duate Academic		
13.	Z106	Matematika 2(uneti naziv na englesk	kom)	(Z20) Environme Studies	ntal Engineering, Undergrad	luate Academic		
14.	0ML503	Combinatorics and Graph Theory		(OM1) Mathema Studies	atics in Engineering, Master A	Academic		
15.	0ML507	Logic in computer science		(OM1) Mathema Studies	atics in Engineering, Master	Academic		
16.	IA022	Numerical Optimization		(F20) Engineerii	ng Animation, Master Acade	mic Studies		
Rep	oresentative	refferences (minimum 5, not more th	an 10)					
1.	Tibor Luk Letters 2	ic, Nebojsa M. Ralevic, Geometric Me 1, pp. 30-36, 2008.	ean Newton"s Method	for Simple and M	ultiple Roots, Elsevier, Appli	ed Mathematics		
2.	Joakim L Springer-	indblad, Nata sa Sladoje, and Tibor Lu Verlag, Volume 4245,of Lecture Note:	ukic, Feature Based D s in Computer Science	efuzzication in Z2 e, pp. 378-389, 20	and Z3 Using a Scale Spac	e Approach,		
3.	Tibor Luk Springer-	ic, Natasa Sladoje, and Joakim Lindb Verlag, Volume 5096 of Lecture Note:	lad, Deterministic Defusion of the second strain strain of the second strain st	uzzication based o e, pp. 476-485, 20	on Spectral Projected Gradie 08.	ent Optimization,		
4.	Zorana L Mathema	u zanin and Tibor Lukic, Convergence tics, pp. 71-79, 2005.	e of the MRV method a	at singular points,	Volume 35 of Novi Sad Jour	rnal of		
5.	Tibor Luk Proceedi	ic, Neboj sa M. Ralevic and Aniko Lul ngs of 4th Serbian-Hungarian Joint Sy	kity, Application of Agg mposium on Intelliger	pregation Operato t Systems, pp. 32	rs in Solution of Nonlinear E 29-339, Subotica, 2006.	quations,		
6.	Tibor Luk Proceedi	ic and Neboj sa M. Ralevic, Newton"s ngs of 3rd Serbian-Hungarian Joint Sy	Method with Accelera mposium on Intelliger	ated Convergence nt Systems, pp. 12	Modified by an Aggregatior 21-128, Subotica, 2005.	n Operator,		
7.	Tibor Luk ing Base IOP Publ	ic, Joakim Lindblad, and Natasa Slad d on Spectral Gradient Optimization, li ishing, 2011.	oje, Regularized Imag nverse Problems, Vol.	e Denois- 27:085010,				
8.	Lukić T.: in Compu	Energy-minimization based Discrete T iter Science, LNCS, 2012	Comography Reconstru	uction Method for	Images on Triangular Grid,	Lecture Notes		
9.	 9. Tibor Lukic, Benedek Nagy, Energy-minimization based Discrete Tomography Reconstruction Method for Images on Triangular Grid, Proceedings of Combi- natorial Image Analysis - 15th International Workshop (IWCIA), Austin (TX), USA, LNCS, Vol. 7655, Springer-Verlag, pp. 274-284, 2012. 							
10.	Zorana L points, N	uzanin and Tibor Lukic, Convergence ovi Sad Journal of Mathematics, Vol. 3	of the MRV method a 35, pp. 71{79, 2005.	t singular				
Sur	Summary data for teacher's scientific or art and professional activity:							
Quot	Quotation total : 0							
Tota	of SCI(SS	CI) list papers :	8					
Curre	Current projects : Domestic : 2 International : 0							



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:				Luković S. Ivan				
Acad	Academic title:					Full Professor			
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				18.05.1991				
Scier	ntific or art f	ield:			Applied Comp	outer Science	ce and Informatics		
Acad	lemic cariee	er	Year	Institution					
Acad	lemic title el	ection:	2006	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics		
PhD	thesis		1996	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics		
Magi	ster thesis		1993	School of Electrical Engl	Ineering - Beog	rad	Applied Computer Science and Informatics		
Bach		5 - '	1990	Military-Technical Facult	ty - Zagreb	-	Applied Computer Science and Informatics		
LIST		eing nei	ld by the tea	acher in the accredited stu	loy programme	S			
	ID	Course	e name			Study pro	ogramme name, study type		
						(E20) Con	nputing and Control Engineering, Undergraduate		
						(MR0) Me	asurement and Control Engineering,		
1.	E2I40	Databa	ase System	s		(SE0) Sof	tware Engineering and Information Technologies,		
							uate Academic Studies		
						Loznica, U	ndergraduate Academic Studies		
2	E2141	Inform	ation Svata	m Engineering		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
۷.	L2141	morm	Information System Engineering			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
3.	GI205	Inform	ation Syster	ms and Databases		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
4.	GI408A	Geosp	atial Databa	ases		(GI0) Geo Studies	odesy and Geomatics, Undergraduate Academic		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
5.	RI43A	Databases 1				(ES0) Power Software Engineering, Undergraduate Academic Studies			
						(MR0) Me	asurement and Control Engineering, Juate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
6.	RI43B	Databa	ases 2			(SE0) Sof	tware Engineering and Information Technologies,		
7.	0RI43B	Databa	ases 2			(ES0) Pov	ver Software Engineering, Undergraduate Studies		
8.	BM118E	Databa	ases			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
9.	EE417A	Databa	ases			(E10) Pow	er, Electronic and Telecommunication		
						(SE0) Sof	tware Engineering and Information Technologies, uate Academic Studies		
10.	SE0013	Data C	Organization			(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
		_				(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
11.	SE0016	Databa	ases			(SEL) Sof Loznica. U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies		
12.	E2502	Data V	Varehouse	Systems		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies		
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	ist of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study programme name, study type				
				(E20) Computing and Control Engineering, N	Master			
				(ES0) Power Software Engineering, Master A Studies	Academic			
13.	E2517	Database Management Systems		(MR0) Measurement and Control Engineerir Academic Studies	ig, Master			
				(SE0) Software Engineering and Information Master Academic Studies	Technologies,			
				(E10) Power, Electronic and Telecommunica Engineering, Master Academic Studies	tion			
14	E0540	Coffuero Danad Duninggo Dragogo N	ladaling	(E20) Computing and Control Engineering, N Academic Studies	Master			
14.	E2310	Software based business Process in	lodeling	(SE0) Software Engineering and Information Master Academic Studies	Technologies,			
15	E2520	Domain Specific Modeling and Long	10000	(E20) Computing and Control Engineering, N Academic Studies	Master			
15. E2530		Domain Specific Modeling and Langi	uages	(SE0) Software Engineering and Information Master Academic Studies	Technologies,			
16.	DRNI02	Selected Topics in Advanced Softwa	re Architecture	(E20) Computing and Control Engineering, I Academic Studies	Doctoral			
17.	DRNI04	Selected Topics in Database Manag	ement	(E20) Computing and Control Engineering, I Academic Studies	Doctoral			
18.	DRNI05	Selected Topics in Software Standard	dization and Quality	(E20) Computing and Control Engineering, I Academic Studies	Doctoral			
-				(F20) Engineering Animation, Doctoral Acad	emic Studies			
19.	DRNI08	Selected Topics in Information Syste	ms	(E20) Computing and Control Engineering, I Academic Studies	Doctoral			
Rep	oresentative	refferences (minimum 5, not more that	an 10)					
1.	Luković I. Developn Global, U	, Ivančević V., Čeliković M., Aleksić S nent, in the book: Formal and Practica SA, 2013, pp. 502-532, ISBN 978-1-4	.: DSLs in Action with I Aspects of Domain-S 666-2092-6.	Model Based Approaches to Information Syst Specific Languages: Recent Developments; C	em hapter 17., IGI			
2.	Luković I. Conferen Faculty o	: From the Synthesis Algorithm to the ce on Informatics, Herlany: Slovak So f Electrical Engineering and Informatic	e Model Driven Transfo ciety for Applied Cybe s, 23-25 Novembar, 2	ormations in Database Design, 10. Internation prnetics and Informatics and Technical Univers 2009, pp. 9-18, ISBN 978-80-8086-126-1. (Invi	al Scientific sity of Košice - ted paper).			
3.	Luković I. Projects i Europe, \ 7. (Invited	: Application of Information System D n Serbia, 9. International Business Inf /ienna: Austrian Computer Society an d paper).	evelopment Tools and ormatics Conference - d University of Vienna	d Methods - Some Experiences from Industry – Symposium on Business Informatics in Cent , 25-27 Februar, 2009, pp. 119-128, ISBN 978	and Research ral and Eastern 3-3-85403-242-			
4.	Luković I Related T Braganca	An Approach to Specification and Ge echnologies and Applications (CoRT , Portugal, ISBN: 978-972-745-096-1,	neration of Software S A 2008), July 11, 2008 pp. 4. (Invited talk).	Systems using Form Types, 2nd Conference c , Braganca, Portugal, Proceedings, Polytechr	on Compilers, iic Institute of			
5.	Mogin P, nauka, Ne	Luković I, Govedarica M: Principi proj ovi Sad, 2004, ISBN: 86-80249-81-5,	ektovanja baza podata 700 str.	aka, II izdanje, Univerzitet u Novom Sadu, Fał	kultet tehničkih			
6.	Mogin P, 350 str.	Luković I: Principi baza podataka, Un	iverzitet u Novom Sad	u, Fakultet tehničkih nauka i MP "Stylos", Nov	ri Sad, 1996,			
7.	Obrenovi INFORM	ć N., Aleksić S., Popović A., Luković I. ATICS, SLOVAK ACADEMY OF SCI	: Transformations of ENCES, ISSN 1335-9	Check Constraint PIM Specifications, COMPL 150, 2012, Vol. 31, No. 5, pp. 1045-1079.	JTING AND			
8.	Luković I, Practice a pp. 1621-	Mogin P, Pavićević J, Ristić S, "An A and Experience, John Wiley & Sons In 1656.	pproach to Developing ic, Hoboken, USA, IS	g Complex Database Schemas Using Form Ty SN: 0038-0644, DOI: 10.1002/spe.820, Vol. 3	/pes", Software: 7, No. 15, 2007,			
9.	Luković I. Grammar 379-403.	, Pereira Varanda M., Oliveira N., Cru based Implementation, Computer Sc	z D., Henriques Rang ience and Information	el P.: A DSL for PIM Specifications: Design a Systems (ComSIS), ISSN 1820-0214, 2011, V	nd Attribute Vol. 8, No 2, pp.			
10.	Čeliković Concepts	M., Luković I., Aleksić S., Ivančević V , Computer Science and Information S	.: A MOF based Meta Sistems, ISSN 1820-0	n-Model and a Concrete DSL Syntax of IIS*Ca 214, 2012, Vol. 9, No 3, pp. 1075-1103.	se PIM			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		22					
I otal	of SCI(SSC	וכ) list papers :	5 Domestic	1 International	0			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:			Marković D. Vidan						
Acad	emic title:					Associate Pro	ofessor			
Nam starti	e of the inst ng date:	itution v	where the te	acher works full tin	ne and	-				
Scier	ntific or art f	ield:				Production S	/stems, Org	anization and Management		
Acad	emic cariee	er	Year	Institution		Field				
Acad	emic title el	ection:	2011	Faculty of Techni	cal Scie	ences - Novi S	ad	Production Systems, Organizati Management	on and	
PhD	thesis		1999	Faculty of Science	es - No	ovi Sad		Informatics		
Magi	ster thesis		1994	Faculty of Techni	cal Scie	ences - Novi S	ad	Computer Science		
Bach	elor's thesis	3	1990	Faculty of Techni	cal Scie	ences - Novi S	ad	Automatic Control and System I	Engineering	
List o	of courses b	eing he	ld by the tea	acher in the accred	ited stu	udy programme	s			
	ID	Course	e name				Study pro	gramme name, study type		
1.	IM1314	Comp	uter aided p	roject managemen	t		(I20) Engin Studies	eering Management, Undergradu	uate Academic	
2.	IM1719	Implen	nentation of	information system	ns in in	surance	(I20) Engin Studies	eering Management, Undergradu	uate Academic	
							(P00) Proc Studies	duction Engineering, Undergradua	ate Academic	
3.	SE0017	Softwa	are Develop	ment Metrodologie	S		Undergrad	uate Academic Studies	n Technologies,	
							(SEL) Soft Loznica, U	(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
4.	4 SES101 Software Engineering Economy					(SE0) Software Engineering and Information Tech Undergraduate Academic Studies		n Technologies,		
							(SEL) Software Engineering and Information Techn Loznica, Undergraduate Academic Studies			
5.	F402	Electronic Publishing				(F00) Grap Studies	bhic Engineering and Design, Ma	ster Academic		
6.	E2537	IT Res	ources Mar	nagement			(SE0) Soft Master Aca	ware Engineering and Informatio ademic Studies	n Technologies,	
7.	IM2317	IT Proj	ect manage	ement			(I20) Engin	eering Management, Master Aca	demic Studies	
8.	IM2321	Manag	ement of p	roject oriented ente	rprises	6	(I20) Engineering Management, Master Academic Studies			
9.	IM2714	Disast	er risk mana	agement cycle			(I20) Engin	eering Management, Master Aca	demic Studies	
Rep	presentative	reffere	nces (minim	num 5, not more tha	an 10)					
1.	Marković method, l pp. 549-5	V., Mak NTERN 69, ISS	simović R.: ATIONAL J N 0218-194	A contribution to o OURNAL OF SOF	continu TWAR	al software ser E ENGINEERI	vice improve NG AND KN	ement based on the six-step serv IOWLEDGE ENGINEERING, 201	ice improvement I2, Vol. 22, No 4,	
2.	Popović, Functiona	D., Dan al Capac	njanović, S, city: A Pulse	Marković, V.: Syste ed Tissue Doppler S	olic Rig Study, s	ht Ventricular	Adaptional C rts Medicine	Changes in Athlets and Predictors and Physical Fitness, ISSN 0022	of the Maximal 2-4707	
3.	Marković managen	, V., Ma nent, Vo	ksimović, R I. 4(15), pp	.: A contribution to 3277-3288, 2010,	softwa ISSN ⁻	re service impr 1993-8233	ovement ba	sed on LSP method, African journ	nal of business	
4.	Marković	, V., Pril	og sistemat	skom podizanju CN	MM niv	oa poduzeća, S	Svijet Osigu	anja, listopad 2005., pp. 43–46		
5.	Tomašev 4. Interna	ić M., M itional S	arković V.: cientific and	CONTRIBUTION	TO THI e - TE/	E USER REQL AM, Slavonski	JESTS MAN Brod, 17-19	AGEMENT BASED ON ITIL IMP Oktobar, 2012, pp. 185-188	LEMENTATION,	
6.	Marković	, V., Info	ormatičko sa	azrevanje kompanij	e, Želn	id, Beograd, st	r. 363, 2006).		
7.	Marković	V., Adv	antage soft	ware for health insu	urance,	, Green Shield	Canada, Wi	ndsor, Ontario, Canada, pp. 15, 2	2001.	
8	Marković	V. Inte	lligent Call (Center Agent Gree	n Shie	ld Canada Wi	ndsor, Ontar	io. Canada, pp. 72, 2000		
۵. ۵	Marković	V Cou		System The Corr		n of The City of	Windsor W	/indsor Ontario Canada no 17	1996	
9. 10.	Marković	V., A C	ontribution	to Applying Layer F	attern	in Modeling JI	System's A	Architecture, XV Conference on A	pplied	
Cu.	iviathetai	for toos	her's scient	bor, str 63-75, 200	Z.	Lactivity				
Quot	ation total	ior lead	ner s scient	inc of art and profe	0	activity.				
Total	of SCI(SS	CI) list p	apers :		3					
Current projects : Domestic : 0 International : 0					0					



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	e and last n	ame:			Marković M	ilan		
Acad	emic title:				Guest Profes	sor		
Nam starti	e of the inst	titution v	where the te	acher works full time and	-			
Scier	ntific or art f	ield:			Computer Sci	ence		
Acad	emic caries	er	Year	Institution			Field	
Acad	emic title el	lection:						
List of courses being held by the teacher in the accredited s					udy programme	s		
	ID	Course	e name			Study programme name, study type		
						(E20) Computing and Control Engineering, Undergradu Academic Studies		
						(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
1.	E233	Interne	et Networks			(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
2.	F501	WEB [Desian			(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(F10) Engineering Animation, Undergraduate Academic Studies		
3.	ISIT28	Informaciona bezbednost				(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
4.	BMI95	Introduction to Computer Science				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
		1 Introduction to Programming				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
5.	SE0001					(P00) Pro Studies	duction Engineering, Undergraduate Academic	
						(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologi Loznica, Undergraduate Academic Studies		
6	SE0011	Introdu	uction to So	ftware Engineering		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
0.	320011	muodu		tware Engineering		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(P00) Pro Studies	duction Engineering, Undergraduate Academic	
7.	SE0017	Softwa	ire Develop	ment Metrodologies		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
Q	SE0024	Softwa		tion and Testing		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
0.	020024	COILWO	ine constitut			(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(P00) Pro Studies	duction Engineering, Undergraduate Academic	
9.	SE239A	Web p	Web programming			(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	

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Study Programme Accreditation

List c	of courses b	eing held by the teacher in the accrec	lited study programme	S			
	ID	Course name		Study programme name, study type			
				(E20) Computing and Control Engineering, Master Academic Studies			
10.	E2522	Softwara Standardization and Qualit		(MR0) Measurement and Control Engineering, Master Academic Studies			
	E2522		у	(SE0) Software Master Academi	Engineering and Information c Studies	Technologies,	
				(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
11.	SEM009	Identity Management		(SE0) Software Engineering and Information Technologies, Master Academic Studies			
12.	SEM017	Information Security		(SE0) Software Engineering and Information Technologies, Master Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :						
Total	of SCI(SS	CI) list papers :					
Curre	ent projects	:	Domestic :		International :		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	lame and last name:				Mihailović P. Biljana			
Acad	lemic title:				Assistant Pro	fessor		
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:				15.03.1999			
Scier	ntific or art f	ield:			Mathematics	Mathematics		
Acad	lemic caries	er	Year	Institution			Field	
Acad	Academic title election: 2010 Faculty of Technical Scier			ences - Novi Sa	ad	Mathematics		
PhD	thesis		2009	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Magi	ster thesis		2003	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesis	S	1998	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E135	Probal	bility, Statis	tics and Stochastic Proces	sses	(MR0) Me Undergrad (E10) Pow	asurement and Control Engineering, uate Academic Studies er, Electronic and Telecommunication	
						Engineerin	g, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	E212	Mathe	matical Ana	Ilysis 1		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
						(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
3.	E213	Discre	Discrete Mathematics and Linear Algebra			(SE0) Sof	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Soft Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
		Probability and Stochastic Processes			(ES0) Power S Academic Stud		ver Software Engineering, Undergraduate Studies	
4.	E224A					(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
5.	EOS07	Mathe	matics 2			(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies	
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies	
	Nucc					(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
б.	M102	wathe	matics 1			(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Prod Studies	duction Engineering, Undergraduate Academic	
_						(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
7.	E102	Mathe	matical Ana	ilysis 1		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
8.	BMI91	Mathe	matics 1			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.	BMI92	Mathe	matics 2			(BM0) Biomedical Engineering, Undergraduate Academic Studies		
10.	E102A	Mathe	matical Ana	Ilysis 1		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		

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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	of courses b	eing held by the teacher in the accredited study programme	28
	ID	Course name	Study programme name, study type
11.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	 (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
13.	1004/S	Statistical Quantitative Methods	 (I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	OIR009	Primenjena aktuarska matematika	(I20) Engineering Management, Specialised Professional Studies
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M49	Aggregation Functions	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	 (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (G10) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (120) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
Rep	oresentative	e refferences (minimum 5, not more than 10)	
1.	E. Pap, I Sets and	B. Mihailović: A representatation of a comonotone-v-additiv Systems 155, (2005) 77-88	ve and monotone functional by two Sugeno integrals, Fuzzy
2.	B. Mihai 22, (2010	lović, E. Pap: Sugeno integral based on absolutely monoton)) 2857-2869	e real set functions, Fuzzy Sets and Systems, Vol 161, Issue
3.	B. Mihaile functions	ović, E. Pap: Asymmetric integral as a limit of generated Ch , Fuzzy Sets and Systems 181, (2011) 39-49.	oquet integrals based on absolutely monotone real set
4.	B. Mihaile 161-173.	ović, E. Pap: Asymmetric general Choquet integrals, Acta F	Polytechnica Hungarica, Volume 6, Issue Number 1, (2009)
5.	Kalina M Applicatio	., Manzi M., Mihailović B.: Choquet integrals and T-supermo ons. TIEI 3, DOI: 10.1007/978-3-642-33959-2 4 c Springer-\	odularity, E. Pap (Ed.): Intelligent Systems: Models and /erlag Berlin Heidelberg , (2013) 61-75.

.R51	TAS STUD		UNIVERSITY OF NO	VI SAD		HHHKMX HAL				
AN OF	RE	FACULTY OF TECHNICAL SC	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVICA 6							
1200005		Study F	Study Programme Accreditation							
3	LANTER	UNDERGRADUATE ACADEMIC	STUDIES Software	Engineering and I	nformation Technologies	HO				
Re	Representative refferences (minimum 5, not more than 10)									
6.	6. B. Mihailović, Lj. Nedović, T. Grbić : The induced Sugeno integral-based operator w.r.t bi-fuzzy measures, Journal of Electrical Engineering, Vol.54, No. 12/s, (2003) 76-79.									
7.	 B. Mihailović, E. Pap: Non-monotonic set functions and general fuzzy integrals, Proceedings of SISY 2008, Subotica, (2008) 371- 374. 									
8.	B. Mihailovi 187-191.	ć: On the class of symmetric S-sep	arable aggregation fur	nctions Proceedin	gs of AGOP 2007, Ghent, B	Belgium, (2007)				
9.	B. Mihailovi 265-269.	ć, E. Pap: Decomposable signed fu	uzzy measures, Procee	edings of EUSFL/	AT 2007, Ostrava, Czech Re	epublic, (2007)				
10.	B. Mihailovi	ć, M. Manzi: On the asymmetric S	hilket-like integral, Pro	ceedings of AGO	P2011, Benevento, Italy, (20	011) 73-77.				
Su	mmary data fo	r teacher's scientific or art and prof	essional activity:							
Quo	tation total :		10							
Tota	l of SCI(SSCI)	list papers :	4							
Curr	ent projects :		Domestic :	2	International :	0				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:				Mihajlović R. Dragan			
Acad	lemic title:				Associate Pro	ofessor		
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	ences - Novi Sad	
starti	ng date:				24.09.1990			
Scier	ntific or art f	ield:	Maar	la alterit at an	Applied Computer Science and Informatics			
Acad	iemic caries	er	Year		N : 0	Field		
Acad		lection:	2009	Faculty of Technical Sci	ences - Novi Si	ad	Applied Computer Science and Informatics	
PhD	thesis		1988	Faculty of Electrical Eng	ineering - Sara	jevo	Applied Computer Science and Informatics	
Bach	elor's thesis	S	1973	Faculty of Electrical Eng	ineering - Sara	ijevo	Applied Computer Science and Informatics	
Magi			1070	Faculty of Electrical Eng	ineering - Sara	ijevo	Electrical and Computer Engineering	
LIST	of courses b	eing ne	Id by the tea	acher in the accredited stu	idy programme	es I		
	ID	Course	e name			Study pro	ogramme name, study type	
1	AU 54	Geoinf	formation S	vstems		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
	//004	000		yotemo		(GI0)Geo Studies	desy and Geomatics, Undergraduate Academic	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	E243	Humar	n Computer	Interaction		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
3.	GI029	Utility Information Systems and their Applica			ation	(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
4.	GI205	Information Systems and Databases				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
		Databases 1				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
5.	RI43A					(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
	DIAD	Datab			(E20) Computing and Control Engineering, Undergraduate Academic Studies			
ю.	R143B	Databa	ases 2			(SE0) Software Engineering and Information Technologie Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
7.	RI4A	Compu	uter Graphie	cs		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
8.	0RI43B	Databa	ases 2			(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
9.	BM118E	Databa	ases			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
10	E0242	Hume	Computer			(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
10.	L0243	Human-Computer Interaction				(F10) Eng Studies	ineering Animation, Undergraduate Academic	
11.	EE417A	Databa	ases			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study programme name, study type						
12.	E2505	Multimedia Systems		 (E20) Computing and Control Engineering, Master Academic Studies (ES0) Power Software Engineering, Master Academic Studies (F20) Engineering Animation, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies 						
13.	E2516	Virtual Reality Systems		(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies						
14.	FDS151 Selected Chapters in Multimedia (F00) Graphic Engineering and Design, Doctoral Aca Studies									
Rep	oresentative	refferences (minimum 5, not more th	an 10)							
1.	Mihajlovi	ć D., Informacioni sistemi i projektovan	je baza podataka, FTI	N Novi Sad, 1998						
2.	Mihajlovi	ć D, Obradović D,Jedan algoritam saž	imanja srpskohrvatski	h reči, Informatika br 4, pp45-47, 1982						
3.	Mihajlovi	ć D, Obradović D, An evalution of text	ual documents indexin	ng methods, Yujor, 1992, pp107-112.						
4.	Mihajlovi	ć D i ostali, Softversko rešenje za farm	naceutski informacioni	sistem, Diskobolos 97.						
5.	Mihajlovi	ć D, Kecman Ž, Farmaceutski informa	cioni sistem, I kongres	s farmaceuta Jugoslavije, Vrnjačka Banja, 1994						
6.	Mihajlovi	ć D, Izbor parova leksičkih jedinica iz _l	poznatog rečnika za a	utomatizovano postavljanje relacija u tezaurusu						
7.	Mihajlovi	ć D, Odredjivanje vrsta reči iz srpskoh	rvatskog jezika primer	nom računara, Informatica, br 1, pp52-54, 1988						
8.	Perišić B aspekti, S	, Obradović D, Mihajlović D, Standard Standardizacija i kvalitet u informacion	izacija metodologije pr im tehnologijama, bec	rojektovanja informacionih sistema software-inženjerski ograd 1995.						
9.	Mihajlovi pp73-83,	ć D, Nićin V, Prilog razvoju automastk Novi Sad	e obrade informacija u	I INDOK-delatnosti u organima uprave, Dani informatike 80,						
10.	Obradovi	ć D, Perišić B, Mihajlović D, Konjović	Z, Stanje i trendovi u p	projektovanju informacionih sistema, IPME, Beograd, 1992						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :									
Total	of SCI(SS	CI) list papers :	D "							
Curre	rrent projects : Domestic : International :									



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	ame and last name:				Milanović N. Nikola			
Acad	lemic title:				Assistant Pro	fessor		
Nam	e of the inst	titution v	vhere the te	acher works full time and	-			
starti	ng date:							
Scier	ntific or art f	ield:			Applied Computer Science and Informatics			
Acad	lemic caries	er	Year					
Acad	lemic title el	lection:	2010	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics	
PhD	thesis		2003				Applied Computer Science and Informatics	
Bach	elor's these	S	1995				Applied Computer Science and Informatics	
Magi	ster thesis		-				Applied Computer Science and Informatics	
List c	of courses b	eing he	ld by the te	acher in the accredited stu	idy programme	es I		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	F209	Multim	edia			(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2.	ISIT21	Interne	et mreže			(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies	
3.	ISIT2D	Web d	esign			(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies	
		Algorithms and Data structures				(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
4.	SE0008					(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
					(E10) Pow Engineerin	rer, Electronic and Telecommunication ng, Undergraduate Academic Studies		
_	050040	Datah				(SE0) Software Engineering and Information Technologie Undergraduate Academic Studies		
э.	SE0016	Databa	ases			(SEL) Software Engineering and Information Technologi Loznica, Undergraduate Academic Studies		
6	SES102	Naso	L Data Raa			(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
0.	3E3102		L Dala Dasi			(SEL) Software Engineering and Information Techn Loznica, Undergraduate Academic Studies		
7	050004	A du ce re				(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
7.	3E3201	Auvan		echnologies		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
8	SES302	High T	echnology	Management		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
0.	313302	Tilgit I	echnology	management		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
9.	E2506	Advan	ced Interne	t Infrastructure		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies	
						(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
10.	E2513	Semar	ntic Web			(PM0) Pro	oduction Engineering, Master Academic Studies	
						(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	f courses b	eing held by the teacher in the accred	lited study programme	S		
	ID	Course name		Study program	ne name, study type	
				(E20) Computing and Control Engineering, Master Academic Studies		
				(MR0) Measurement and Control Engineering, Master Academic Studies		
11.	E2519	Domain-Specific Languages	(PM0) Productio	on Engineering, Master Acad	emic Studies	
			(SE0) Software Master Academie	Engineering and Information c Studies	Technologies,	
				(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
10	10 50500	Convine Oriented Arabitantures	(E20) Computing and Control Engineering, Master Academic Studies			
12.	E2020	Service Oriented Architectures		(SE0) Software Master Academie	Engineering and Information c Studies	Technologies,
Rep	oresentative	e refferences (minimum 5, not more th	an 10)			
1.	N. Milanc	ovic, M. Malek. Current Solutions for W	Veb Service Compositi	on. IEEE Internet	Computing, 8(6):51-59, 200	4. (SCI 11/86)
2.	N. Milanc 65, 2004	ovic, M. Malek, A. Davidson, V. Milutin . (SCI 16/86)	ovic. Routing and Sec	urity in Mobile Ad	Hoc Networks. IEEE Compu	uter, 37(2):61-
3.	N. Milanc Research	ovic, M. Malek. Search Strategies for A n, 3(2):1-32, 2006. (SCI 37/86)	Automatic Web Service	e Composition. Int	ernational Journal of Web S	ervices
4.	N. Milano 4(1):56-6	ovic, B. Milic. Automatic Generation of 9 , 2011	Service Availability M	odels. IEEE Trans	actions of Service Computir	ıg, 2010.
5.	P. Ibach, Special Is	N. Milanovic, J. Richling, V. Stantche ssue on Embedded Systems, 152(5):2	v, A. Wiesner, Malek M 210-214, 2005. (SCI 71	1. CERO: CE Rob 1/86)	oots Community. IEE Procee	dings Software,
Sun	nmary data	for teacher's scientific or art and profe	essional activity:			
Quot	ation total :		0			
Total	of SCI(SS	CI) list papers :				
Curre	ent projects	:	Domestic :	0	International :	0



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:				Milosavljević R. Gordana			
Acad	lemic title:				Assistant Professor			
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Teo	chnical Scie	nces - Novi Sad	
starti	ng date:				01.12.1995			
Scier	Scientific or art field: Ap					Applied Computer Science and Informatics		
Acad	lemic caries	er	Year	Institution		Field		
Acad	lemic title el	ection:	2010	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics	
PhD	thesis		2010		Nevi O	!	Computer Science	
Magi	ster thesis		2001	Faculty of Technical Scie	ences - Novi Sa	ad		
Bach		s sing hal	1995	Faculty of Technical Scie	ences - Novi Sa	ad	Computer Science	
LIST	of courses b	eing nei	d by the tea	acher in the accredited stu	idy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E242	Softwa	re Specifica	ation and Modeling		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Soft Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
2.	F209	Multim	edia			(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	RI53	Busine	ess Informat	tion Systems		(SE0) Sofi Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
4.	ISIT08	Object oriented programming fundamentals				(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
5.	ISIT12	Osnove informacionih sistema				(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
6.	ISIT22	Osnov	e baza pod	ataka		(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
7.	ISIT26	Upravl	janje projek	tima		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
8.	ISIT27	Osnov	e softverski	h arhitektura		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
9.	ISIT35	Poslov	na informat	iika		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
10.	ISIT37	Konfig	urisanje i ad	dministracija baza podatał	ka	(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
11	SE0016	Databa	200			(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
	GEOGIO	Databl	1303			(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
12.	SE0017	Softwa	ire Develop	ment Metrodologies		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
12	SE\$202	Model	Driven Soft	ware Develonment		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
13.	010202	would				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
1/	SES204	Advan	ced Program	mming Tecnics		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
(4.	520204	Auvall				(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study program	ne name, study type					
15	E2508	Agila Softwara Davalapment Mathac	lology	(E20) Computin Academic Studie	g and Control Engineering, N es	Master				
15.	E2306	Aglie Software Development Method	lology	(SE0) Software Master Academi	Engineering and Information c Studies	Technologies,				
16.	DRNI08	Selected Topics in Information Syste	ems	(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral				
17.	DRNI12	Selected Topics in Contemporary Sc	oftware Development	(E20) Computin Academic Studie	g and Control Engineering, [es	Doctoral				
		Methods		(F20) Engineering Animation, Doctoral Academic Studies						
Rep	oresentative	e refferences (minimum 5, not more th	an 10)							
1.	B. Milosa Intermed	avljević, M. Vidaković, S. Komazec, G ate Form Representations. Principles	. Milosavljević.: User I and Practice of Progr	nterface Code Ge amming in Java, I	neration for EJB-Based Data Kilkenny, Ireland, 2003	a Models Using				
2.	2. B. Milosavljević, M. Vidaković, S. Komazec, G. Milosavljević: User Interface Code Generation for Data-Intensive Applications with EJB-Based Data Models, Software Engineering Research and Practice (SERP"03), Las Vegas, USA, 2003									
3.	3. G. Milosavljević, B. Perišić: Really Rapid Prototyping of Large-Scale Business Information Systems, IEEE International Workshop on Rapid System Prototyping, San Diego, USA, 2003									
4.	Milosavlje Research	ević G., Ivanović D., Milosavljević B., S n Management System, The Electronic	Surla D.: Automated C c Library, 2011, Vol. 29	Construction of the 9, No 5, pp. 565-5	e User Interface for a CERIF 888, ISSN 0264-0473	-Compliant				
5.	Perišić B Compute	., Milosavljević G., Dejanović I., Milosa r Science and Information Systems (C	avljević B.: UML Profil ComSIS), 2011, Vol. 8,	e for Specifying L No 2, pp. 405-42	Iser Interfaces of Business A 6, ISSN 1820-0214	opplications,				
6.	Ivanović MARC 2 ⁻	D., Milosavljević G., Milosavljević B., S I Format, Program: Electronic Library	Surla D.: A CERIF-Co and Information Syste	mpatible Researce ms, 2010, Vol. 44	h Management System Bas , No 3, pp. 229-251, ISSN 0	ed on the 033-0337				
7.	Dejanovi Database	ć I., Milosavljević G., Tumbas Živanov Applications, Computer Science and	M., Perišić B.: A Don Information Systems	nain-Specific Lang (ComSIS), 2010,	guage for Defining Static Stru Vol. 7, No 3, pp. 409-440, IS	ucture of SN 1820-0214				
8.	Dejanovi Internatio	ć I., Perišić B., Milosavljević G., Striče nal Workshop on Model-Based Softw	vić N.: Towards a fou are and Data Integrati	ndation for distrib on, Birmingham, I	uted version control of SLE a England	artifacts. In 3rd				
9.	Milosavlje Symposiu oldenburg	ević G., Dejanović I., Perišić B.: Read um@MODELS 2011: Software Modeli g.de/documents/olnse-2-2011-EduSyr	y for the industry: A ping in Education, page	ractical approach s 31-40, Wellingto	to teaching mde. In 7th Educ on, New Zealand, www.se.ur	cators ni-				
10.	Dejanovi Specific I	ć I., Tumbas Živanov M., Milosavljević anguage, 14. Advances in Databases	G., Perišić B.: Comp and Information Syst	arison of Textual ems, Novi Sad, 2	and Visual Notations of DOM 0-24 Septembar, 2010, pp. 2	/MLite Domain- 20-24				
Sun	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		0							
Total	Total of SCI(SSCI) list papers : 0									
Curre	urrent projects : 0 International : 0									



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Milosavljević P. Branko			
Academic title:					Associate Professor			
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date: 01					01.10.1998)1.10.1998		
Scier	ntific or art f	ield:			Applied Com	outer Scienc	ce and Informatics	
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2009	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics	
PhD	thesis		2003	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics	
Magi	ster thesis		1999	Faculty of Technical Sci	ences - Novi Si	ad	Applied Computer Science and Informatics	
Bach	elor's thesis	S	1997	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and informatics	
LIST	of courses b	eing nei	Id by the tea	acher in the accredited sti	idy programme	S		
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1	F2F40	XMI a	nd WEB Se	ervices		(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies	
	LLIU					(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2	E0E44	E-Business Systems Security				 (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Techno Undergraduate Academic Studies 		
۷.	E2E41							
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
3.	F209	Multim	edia			(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
4.	F214l2	Raster	Graphics			(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
5.	GI100	Compu	uter Practic	um		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
6.	RI41	Interne	et Software	Architectures		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
7	SEI41	Interne	at Software	Architectures		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
8.	ISIT03	Introdu	uction to Pro	ogramming		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies	
9.	ISIT08	Object	oriented pr	ogramming fundamentals		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies	
10.	ISIT22	Osnov	e baza pod	ataka		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies	
11.	ISIT28	Inform	aciona bezl	pednost		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies	
12.	ISIT29	XML T	echnologie	S		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies	
13.	BMI95	Introduction to Computer Science				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
14		Web b	ased Mooo	urement and Data Acquire	ition Systems	(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies	
14. EIWD		web-based measurement and Data Acquis				(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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ist of courses ne	no nein by the teacher in the accredited study broorammes

	ID	Course name	Study programme name, study type		
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
15.	SE0001	Introduction to Programming	(P00) Production Engineering, Undergraduate Academic Studies		
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
			(E20) Computing and Control Engineering, Master Academic Studies		
16.	E2506	Advanced Internet Infrastructure	(SE0) Software Engineering and Information Technologies, Master Academic Studies		
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
17.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies		
			(E20) Computing and Control Engineering, Master Academic Studies		
10	E2521	Business Process Management	(MR0) Measurement and Control Engineering, Master Academic Studies		
10.	E2521		(SE0) Software Engineering and Information Technologies, Master Academic Studies		
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
10	50500	Consider Oriented Applifectures	(E20) Computing and Control Engineering, Master Academic Studies		
19.	E2020	Service Oriented Architectures	(SE0) Software Engineering and Information Technologies, Master Academic Studies		
20.	DE417	Web-based Measurement Systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies		
21.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies		
22.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies		
23.	DRNI06	Selected Topics in Digital Archives	(E20) Computing and Control Engineering, Doctoral Academic Studies		
24.	FDS151	Selected Chapters in Multimedia	(F00) Graphic Engineering and Design, Doctoral Academic Studies		
25.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies		
26.	FDS224	Selected Chapters in Programming	(F00) Graphic Engineering and Design, Doctoral Academic Studies		
27.	DRNI19	Selected Topics in Information Security	(E20) Computing and Control Engineering, Doctoral Academic Studies		
Rep	oresentative	refferences (minimum 5, not more than 10)			
1.	Branko M Software	lilosavljević. Models for Extensible Multimedia Document Re Engineering, Miami, FL, 2004.	etrieval. In IEEE 6th International Symposium on Multimedia		
2.	Branko M Intensive 2003.	lilosavljević, Milan Vidaković, Srđan Komazec, and Gordana Applications with EJB-Based Data Models. In Software Englishing Applications with EJB-Based Data Models. In Software Englishing	a Milosavljević. User Interface Code Generation for Data- gineering Research and Practice (SERP"03), Las Vegas, NV		
3.	Branko M Multimed	lilosavljević and Zora Konjović. Design of an XML-Based Ex a Software Engineering (MSE2002), Newport Beach, CA, 2	xtensible Multimedia Information Retrieval System. In IEEE 2002. pp. 114-121.		
4.	G. Sladić and Cryp	, B. Milosavljević, Z. Konjović. Extensible Access Control Metography ICETE-SECRYPT"07, Barcelona, Spain, 2007.	odel for XML Document Collections, Intl. Conf. on Security		
5.	Branko M James Po 98. Trinity	lilosavljević, Milan Vidaković, and Zora Konjović. Automatic ower and John Waldron, editors, Recent Advances in Java / College Dublin, 2003.	code generation for database-oriented web applications. In Technology: Theory, Application, Implementation, pages 89-		

STAS STUD			UNIVERSITY OF NOVI SAD					
1 A	R	FACULTY OF TECHNICAL SC	IENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVICA 6			
0.26	2000	Study F	Study Programme Accreditation					
9	LANTER	UNDERGRADUATE ACADEMIC	STUDIES Software	Engineering and I	nformation Technologies	HO		
Re	presentative r	efferences (minimum 5, not more th	ian 10)					
6.	Danijela Te Library, 27(šendić, Branko Milosavljević, and E (1):162-186, 2009. ISSN: 0264-047	Dušan Surla. A library (3, DOI: 10.1108/0264(circulation system 0470910934669.	for city and special libraries	s. The Electronic		
7.	Jelena Rad Program: e	ljenović, Branko Milosavljević, and I lectronic library and information sys	Dušan Surla. Modellin stems, 43(1):62-76, 20	g and implementa 09. ISSN: 0033-0	tion of catalogue cards usir 337, DOI: 10.1108/0033033	ng FreeMarker. 30910934110.		
8.	Milan Vidal application 0214, DOI:	xović, Branko Milosavljević, Zora Ko on distributed library catalogues. C 10.2298/csis0902001V.	onjović, and Goran Sla omputer Science and	dić. Extensible Ja Information Syste	va EE-based agent framew ms (ComSIS), 6(2):1-28, 20	ork and its)09. ISSN: 1820-		
9.	9. Aleksandar Kovačević, Branko Milosavljević, Zora Konjović, and Milan Vidaković. Adaptive content-based music retrieval system. Multimedia Tools and Applications, 47(3):525-544, 2010. ISSN: 1380-7501, DOI: 10.1007/s11042-009-0336-2.							
10.	10. Bojana Dimić, Branko Milosavljević, and Dušan Surla. XML schema for UNIMARC and MARC 21. The Electronic Library, 28(2):245-262, 2010. ISSN: 0264-0473, DOI: 10.1108/02640471011033611.							
Su	Summary data for teacher's scientific or art and professional activity:							
Quot	tation total :		0					
Tota	I of SCI(SSCI) list papers :	15					
Curr	ent projects :		Domestic :	2	International :	1		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Mirović Đ. Ivana						
Academic title:			Lecturer						
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad						
starting date:					01.04.1990				
					English				
Acad	iemic caries	er	Year	Institution	Nevi O	1			
Acac	emic title e	ection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	English		
Liet		oing ho	1904	Faculty of Philosophy - I	NUVI Sau				
LISU		eing ne				.5			
	ID	Course	e name			Study pro	gramme name, study type		
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arch	nitecture, Undergraduate Academic Studies		
2.	AEJ2L	Englis	h Language	e intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies		
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arch	nitecture, Undergraduate Academic Studies		
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies		
						(G00) Civi	I Engineering, Undergraduate Academic Studies		
						(M20)Mee Undergrad	chanization and Construction Engineering, uate Academic Studies		
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
5.	EJ01L	English Language – Elementary				(M40) Teo Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		
						(P00) Production Engineering, Undergraduate Academic Studies			
						(S00) Traffic and Transport Engineering, Undergraduate Academic Studies			
					(U		(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
						(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
					(MR0) Measurement and Control Engineering, Undergraduate Academic Studies				
6.	EJ01Z	Englis	h Language	e - Elementary	(Z01) Safety at Work, Undergraduate Academic Stud				
					(ZC0) Clean Energy Technologies, Undergradu Academic Studies		an Energy Technologies, Undergraduate Studies		
						(ZP0) Disa Undergrad	P0) Disaster Risk Management and Fire Safety, dergraduate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate Acader Studies			
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies		
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies		
7.	EJ02L	Englisl	h Language	e – Pre-Intermediate		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
		-				(Z01) Safe	(Z01) Safety at Work, Undergraduate Academic Studies		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses her	in held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type
8.			(110) Industrial Engineering, Undergraduate Academic Studies
	E 1027	English Language Dra Intermediate	(I20) Engineering Management, Undergraduate Academic Studies
	EJUZZ	English Language – Fre-Interneulate	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
	EJ04L	English Language – Upper Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
10.			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
		English Language - Elementary	(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
11.	EJ1Z		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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	na naia ny tha taac	nar in tha accradita	a etilav programmae

	ID	Course name	Study programme name, study type		
			(E20) Computing and Control Engineering, Undergraduate Academic Studies		
			(ES0) Power Software Engineering, Undergraduate Academic Studies		
			(F10) Engineering Animation, Undergraduate Academic Studies		
13.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
			(AH0) Architecture, Master Academic Studies		
			(E20) Computing and Control Engineering, Undergraduate Academic Studies		
			(F10) Engineering Animation, Undergraduate Academic Studies		
14.	EJ3L	English Language – Advanced	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies		
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
23		English Language ESP Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies		
23.	LJIVI	Linglish Language – Lor Course	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
			(P00) Production Engineering, Undergraduate Academic Studies		
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies		
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		



UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type		
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
34.	EJIIM	English for Specific Purposes	(110) Industrial Engineering, Undergraduate Academic Studies		
		(120) Engineering Management, Undergraduate Studies (E02) Electronics and Telecommunications, Undergraduate			
35.	ET105	English language - Elementary	(E02) Electronics and Telecommunications, Undergraduate Professional Studies		
			(E20) Computing and Control Engineering, Undergraduate Academic Studies		
			(ES0) Power Software Engineering, Undergraduate Academic Studies		
			(F10) Engineering Animation, Undergraduate Academic Studies		
36.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
			(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
			(AH0) Architecture, Master Academic Studies		
			(E20) Computing and Control Engineering, Undergraduate Academic Studies		
		English Language – Intermediate	(ES0) Power Software Engineering, Undergraduate Academic Studies		
			(F10) Engineering Animation, Undergraduate Academic Studies		
37.	EJ2Z		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
			(AH0) Architecture, Master Academic Studies		
38.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies		
39.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
40.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies		
41.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies		
Rep	oresentative	e refferences (minimum 5, not more than 10)			
1.	Prevod m	nonografije: Nenad Teofanov: Ultramodulation Spaces and I	Pseudodifferential Operators, Zadužbina Andrejević		
2.	Prevod p	ublikacije o Fakultetu tehničkih nauka, Faculty of Technical	Sciences, 2004		
3.	Vesna Bo	ogdanović i Ivana Mirović: Engleski jezik 1 za grafičko inžen	jerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2007		
4.	Ivana Mir	ović i Vesna Bogranović: Engleski jezik 2 za grafičko inženj	erstvo i dizajn, FTN izdavaštvo, Novi Sad, 2011		
5.	I. Mirović Jezik stru	, V. Bogdanović, B. Ličen: Istorijat nastave stručnog englesl ike, teorija i praksa, Beograd, 2008	kog jezika na FTN u Novom Sadu. međunarodna konferencija		
6.	V. Bogda konferen	inović, I. Mirović, B. Ličen: Kreiranje udžbenika za engleski j cija Jezik struke, teorija i praksa, Beograd, 2008	jezik za studente različitog predznanja, međunarodna		
7.	I. Mirović Specific I	, B. Ličen, V. Bogdanović: Summarization skills of engineeri Purposes, Challenges and Prospects, Belgrade, 2011	ing students reading in a second language, Language for		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Representative refferences (minimum 5, not more than 10)

-							
8.	Mirović I, Gak D,, Bogdavović V.: Trust me - I'm an engineer or: Why we should challange our students with demanding tasks, 5th International Conference on the Importance of Learning Professional Foreign Languages for Communication between Cultures, Celje, Slovenia, 2012						
9.	Gak D, Bogdanović V, Mirović I, : Questionnaire - an instrument for collecting valuable data from teachers of business English courses, 5th International Conference on the Importance of Learning Professional Foreign Languages for Communication between Cultures, Celie, Slovenia, 2012						
Su	Summary data for teacher's scientific or art and professional activity:						
Quo	tation total :	0					
Tota	l of SCI(SSCI) list papers :	0					
Curr	ent projects :	Domestic :	0	International :	0		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name: Mitro					Mitrović M. Slavica				
Academic title: Assist					Assistant Pro	fessor			
Name of the institution where the teacher works full time and Faculty of starting date:					Faculty of Teo	echnical Sciences - Novi Sad			
Starti	ny uate:	iold:			01.10.2005	votome Ora	anization and Management		
Acad		ieia:	Voor	Institution	Production Sy	/stems, Org	Field		
Acau		;1	Teal	Institution			Production Systems, Organization and		
Acad	emic title el	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Management		
PhD	thesis		2011	Faculty of Technical Sci	ences - Novi Sa	ad	Engineering Management		
Magi	ster thesis		2007	Faculty of Technical Sci	ences - Novi Sa	ad	Engineering Management		
Bach	elor's thesis	5	2004	Faculty of Technical Science	ences - Novi Sa	ad	Production Systems, Organization and Management		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
		1	ation Orieta			(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	E2141	Inform	ation Syste	m Engineering		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
2.	EOS33	Entrep	oreneurial m	anagement		(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
2	80024	Foons	mico			(S00) Traf Academic	300) Traffic and Transport Engineering, Undergraduate cademic Studies		
э.	5002A	ECONO	mics			(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies		
4.	ll121	Princip	oles of econ	omics		(SII) Softw Undergrad	Software and Information Technologies (Inđija), graduate Professional Studies		
5.	1120	Princip	oi menadžm	enta(uneti naziv na engle	skom)	(Z20) Envi Studies	Z20) Environmental Engineering, Undergraduate Academic studies		
6.	1201	Preduz	zetništvo(ur	neti naziv na engleskom)		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
7.	ll1041	Innova	ation and Er	ntrepreneurship		(I10) Indus Studies	strial Engineering, Undergraduate Academic		
						(I20) Engi Studies	neering Management, Undergraduate Academic		
8.	IM1005	Entrepreneurship				(Z01) Safety at Work, Undergraduate Academic Studies			
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
						(I20) Engi Studies	neering Management, Undergraduate Academic		
9.	IM1007	Principles of engineering management				(M30) Energy and Process Engineering, Undergraduate Academic Studies			
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
10.	IM1215	Manag	gement of s	mall and medium size ente	erprises	(I20) Engir Studies	eering Management, Undergraduate Academic		
11.	IM1218	Model entrep	s of open in reneurship	novations and corporate		(I20) Engir Studies	eering Management, Undergraduate Academic		
12.	IMDS97	Entrep	oreneurial M	anagement		(I22) Engi Studies	neering Management, Specialised Academic		
13.	MBA304	Busine	ess Strategi	es		(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		
14.	NIT07	Manag	gement Skill	S		(NIT) Indu Technolog	strial Engineering - Advanced Engineering ies, Master Academic Studies		
15	IMDSee	Manag	rerial decisi	on-making		(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
15. IND566		manay				(I22) Engin Studies	neering Management, Specialised Academic		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses being held by the teacher in the accredited study programmes										
	ID	Course name		Study program	ne name, study type					
16.	IMDR97	Entrepreneurial Management		(120) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,				
17.	IMDR66	Managerial decision-making		(120) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,				
Rep	Representative refferences (minimum 5, not more than 10)									
1.	Mitrović, Organiza	S., Grubić-Nešić, L ., Milisavljević, S., tional Culture. E+M Ekonomie a Mana	Melović, B.,. Zuzana I agement ISSN 1212-3	Babinkova (in pres 8609.	ss) Manager's Assessment o	of				
2.	2. Slavica MITROVIĆ, Bozidar LEKOVIĆ, Valentin KONJA, Ana NEŠIĆ (in press). EMPLOYEE TIME MANAGEMENT: A CASE STUDY FROM SERBIA.Metalurgia International, ISSN 1582 – 2214. Vol. (1).									
3.	Valentin KONJA, Leposava GRUBIĆ-NEŠIĆ, Slavica MITROVIĆ (2012). LEADER-MEMBER EXCHANGE: A SHORT CASE STUDY FROM A SERBIAN COMPANY. Metalurgia International, ISSN 1582 – 2214. Vol.17 (11), pp. 146-153.									
4.	Melović, B., Mitrović, S., Milisavljević, S., Pejanović, R., Ćelić, Đ. (2012). RESEARCH OF CONSUMPTION AND 4. COMPETITIVENESS OF HOMEMADE PRODUCTS FOR MANUFACTURING IMPROVEMENT: CASE STUDY FROM MONTENEGRO, African Journal of Agricultural Research. ISSN 1991-637X. Vol. 7(26). pp. 3757-3764.									
5.	S. Mitrovic, S. Milisavljevic, I. Cosic, B. Lekovic, L. Grubic-Nesic, A. Ivanisevic: Changes in leadership styles in a transitional conomy: A Serbian case study, African Journal of Business Management, Vol. 5(9), pp. 3563-3569, 4 May 2011. ISSN 1993-8233 Academic Journals.									
6.	Mitrović, Internatic (COBISS	S., Nikolić, J., Milisavljević, S., Ćosić, nal symposium on industrisl enigneer :SR-ID 191329292).	, I. (2012). Factors influ ing-SIE, Belgrade. Pro	uencing manageri oceeding page 67	al decision-making in indust 73. ISBN 978-86-7083-758	rial systems, -4				
7.	Mitrović, Internatic Podgoric	S., Melović, B., Ćosić, I. (2012). ENT nal entrepreneurship conference "Re a, Montenegro. ISBN 978-86-80133-{	REPRENEURIAL EDU cruitment in the light of 56-0	JCATION AS AN f entrepreneurship	EMPLOYMENT-INFLUENC ", organized by Faculty of E	ING FACTOR. conomics,				
8.	Mitrović, S., Milisavljević, S., Melović, B., Grubić-Nešić, L. (2012). Strategic management in the function of overcoming economical crizes, 17 th International Scientific Symposium Strategic management and Decision Support Systems in Strategic Management, Palic-Subotica. ISBN 978-86-7233-305-3 (COBISS.SR-ID 250924295).									
9.	Leposava GRUBIC-NESIC, Sanja VRNJES, Biljana RATKOVIC-NJEGOVAN, Slavica MITROVIC (2012). ATTITUDES OF THE 9. EMPLOYEES ABOUT THE ORGANIZATIONAL RESTRUCTURING: A SAMPLE OF ORGANIZATIONS IN SERBIA. Metalurgia International, ISSN 1582 – 2214. Vol.17 (12), pp. 153-160.									
10.	Lošonc (Losoncz) A., Ivanišević A., Mitrović S.: Strukturalna kriza: forme i uzroci, Novi Sad, Fakultet tehnickih nauka, 2012, str. 1-232, ISBN 978-86-7892-375-3, UDK: 268964871									
Sur	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		0							
Total	of SCI(SS	CI) list papers :	8							
Curre	Current projects : Domestic : 2 International : 0									



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Nenadić M. Goran				
Acad	Academic title:					Guest Professor			
Nam starti	e of the inst ng date:	itution v	where the te	acher works full time and	-				
Scier	ntific or art f	ield:			Applied Computer Science and Informatics				
Acad	Academic carieer Year Institution						Field		
Acad	lemic title el	ection:	2012				Applied Computer Science and Informatics		
PhD	thesis		2003				Mathematical Sciences		
Magi	ster thesis		1997				Mathematical Sciences		
Bach	elor's thesis	6	1993				Mathematical Sciences		
List c	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
						(E20) Con Academic (MR0) Me	nputing and Control Engineering, Undergraduate Studies asurement and Control Engineering, uate Academic Studies		
1.	E2K40A	Soft Co	omputing			(SE0) Soft Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
2.	ISIT2D	Web d	esign			(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies		
	SE0001	Introduction to Programming			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies				
3.					(P00) Production Engineering, Undergraduate Academic Studies				
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
					(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				
4.	SE0014	Compi	uter organis	ation		(SE0) Soft Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Sof Loznica, U	SEL) Software Engineering and Information Technologies		
5	SE0016	Databa	ises			(SE0) Software Engineering and Information Technologie Undergraduate Academic Studies			
0.	020010	2 4 4 4 5				(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
6.	SE0024	Software Construction and Testing				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies			
7.	SE0031	Operat	ting System	S		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
		•				(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
						(P00) Proo Studies	duction Engineering, Undergraduate Academic		
8.	SE239A	Web programming		9		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
9	SES40	Softwa	re patterns	and components		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
J.	52010				(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

Liet of courcos boi	a hold by the teacher in the	accredited study programmes
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	ID	Course name		Study programme name, study type				
				(E20) Computing and Control Engineering, Master Academic Studies				
10.	E2503	Data Mining and Data Analysis Syste	ems	(SE0) Software Engineering and Information Technologies, Master Academic Studies				
				(E20) Computing and Control Engineering, Ma Academic Studies				
11.	E2506	Advanced Internet Infrastructure		(SE0) Software Engineering and Information Technologic Master Academic Studies				
				(E10) Power, Ele Engineering, Ma	ectronic and Telecommunica ster Academic Studies	tion		
12	E2523	Social Networks		(E20) Computin Academic Studie	g and Control Engineering, I es	Master		
12.	L2323			(SE0) Software Master Academi	Engineering and Information	Technologies,		
13	E2524	Text Mining		(E20) Computin Academic Studie	g and Control Engineering, I s	Vlaster		
15.	L2324	Text Mining		(SE0) Software Engineering and Information Technologies Master Academic Studies				
14	E2527	Pupingga Intelligence		(E20) Computing and Control Engineering, Master Academic Studies				
14.	E2327	Business intelligence	(SE0) Software Engineering and Information Technologies, Master Academic Studies					
15.	SEM013	E-government technologies		(SE0) Software Master Academi	Engineering and Information	n Technologies,		
Rep	oresentative	e refferences (minimum 5, not more the	an 10)					
1.	Spasic, I. and Sem	, Sarafraz, F., Keane, J., Nenadic, G.: antic Rules, J. of American Medical In	Extraction of Medicat formatics Association,	ions from Hospita 17(5): 532-535, 2	I Discharge Letters with Pati 2010	tern Matching		
2.	Gerner, N Bioinform	И., Nenadic, G., Bergman, C.: LINNAE natics 11:85, 2010	US: A Species Name	Identification Sys	tem for Biomedical Literature	e, BMC		
3.	Yang, H., Summari	, Spasic, I., Keane, J., Nenadic, G.: A es, J. of American Medical Informatics	Text Mining Approach Association, 16(4):59	to the Prediction 96-600	of a Disease Status from Cli	inical Discharge		
4.	Yang, H., Biomedic	, Keane, J., Bergman, C., Nenadic, G. al Informatics, Vol. 42(5), pp. 887-894	Assigning Roles to P	rotein Mentions: t	he Case of Transcription Fa	ctors, Journal of		
5.	Yang, H., Nenadic, G., Keane, J.: Identification of Transcription Factor Contexts in Literature using Machine Learning Approaches, BMC Bioinformatics 2008, 9(Suppl 3):S11							
6.	Rice, S., Bioinform	Nenadic, G., Stapley, B.: Mining Prote natics 2005, 6(Suppl 1):S22	in Function from Text	Using Term-base	d Support Vector Machines,	BMC		
7.	Krauthan 2004, pp	nmer, M., Nenadic, G.: Term Identifica 512-526	tion in the Biomedical	Literature, Journa	al of Biomedical Informatics,	Vol. 37(6),		
8.	Nenadic,	G., Spasic, I., Ananiadou, S.: Termino	blogy-driven Mining of	Biomedical Litera	ture, Bioinformatics 19:8, 20	003, pp. 938-943		
9.	Nenadic, Biomedic	G., Mima, H., Spasic, I., Ananiadou, S ine, Int. J. of Medical Informatics, Vol.	67(1-3), 2002, pp. 33	ogy-based Literatu -48	ire Mining and Knowledge A	cquisition in		
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :							
Total	of SCI(SS	CI) list papers :						
Curre	ent projects	<u>:</u>		International :				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Obradović J. Đorđe			
Acad	emic title:				Assistant Professor			
Nam	e of the inst	itution w	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
Starti	ng date:	iold			01.07.1998			
Scier	Academia paripar Vaar Institution					outer Scienc		
Academic caneer fear Institution					onoon Novi Si	ad	Applied Computer Science and Information	
	thesis	ection.	2011			au	Applied Computer Science and Informatics	
Magi	ster thesis		2003	Faculty of Technical Sci	ences - Novi Si	ad	Computer Science	
Bach	elor's thesis	\$	1997	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics	
List	of courses b	eina he	d by the tea	acher in the accredited stu	udv programme	es		
		<u>-</u>						
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E236A	Compu	utational Int	elligence Fundamentals		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
2.	E2K40A	Soft Computing			(SE0) Soft Undergradu		ftware Engineering and Information Technologies, duate Academic Studies	
						(SEL) Sof	tware Engineering and Information Technologies -	
3.	ISIT26	Upravljanje projektima				(SII) Softw	vare and Information Technologies (Indija), Juate Professional Studies	
4.	ISIT30	Business process management systems				(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
5.	ISIT41	eGove	rnment tech	nnologies and systems		(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
6.	SE0006	Object	oriented pr	ogramming 1		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
_	050040					(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
7.	SE0013	Data Organization				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
		239A Web programming			(P00) Pro Studies	duction Engineering, Undergraduate Academic		
8.	SE239A				(SE0) Sof Undergrad	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
		Euro	Sustana			(ES0) Power Software Engineering, Master Academic Studies		
9.	⊏ 2911	гuzzy	Systems			(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses being held by the teacher in the accredited study programmes								
			ned study programme	5				
	ID	Course name		Study program	ne name, study type			
				(E20) Computing and Control Engineering, Master Academic Studies				
10.	E2512	Neural Networks		(SE0) Software Engineering and Information Technologies, Master Academic Studies				
				(E10) Power, Ele Engineering, Ma	ectronic and Telecommunica ster Academic Studies	tion		
	50000			(I20) Engineerin Studies	g Management, Specialised	Professional		
11.	EP002	EBusiness technologies and systems	5	(IB0) Engineerin Professional Stu	ig Management - MBA, Spee dies	cialised		
10	50500			(E20) Computing Academic Studie	g and Control Engineering, I	Master		
12.	E2536	Mobile Application Development		(SE0) Software Master Academie	Engineering and Informatior c Studies	Technologies,		
10			1. (.)P	(E20) Computing Academic Studie	g and Control Engineering, I s	Doctoral		
13.	DRNI07	Selected Chapters in Computational	Intelligence	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
14.	DRNI14	14 Selected Chapters in Machine Learning (E20) Computing and Control Engineering, Doctoral Academic Studies						
				(E20) Computing and Control Engineering, Doctoral Academic Studies				
15.	DRNI17	Selected Topics in ICT enhanced lea	irning	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
16.	DRNI18	Selected Topics in Distributed/Mobile	e computing	(E20) Computing Academic Studie	g and Control Engineering, I s	Doctoral		
		·		(F20) Engineerii	ng Animation, Doctoral Acad	emic Studies		
Rep	presentative	refferences (minimum 5, not more that	an 10)					
1.	Konjović IFSA '97	Z., Obradović Đ., Racković M., Object World Congress, Prague 1997.	oriented implementat	ion of the neural r	network training system, Pro	c. Of Seventh		
2.	Obradovi symbols,	ć Đ. Jovanović D., Konjović Z., Goved InterGeoEast 2006.	arica M., Web based s	software system s	supporting detection of topog	jraphical		
3.	Obradovi Applied M	ć Đ. Racković M., Algorithmic Structur lathematics PRIM '96 Budva 1996.	e for Representation of	of the Various Neu	ural Network Models, XI Con	ference on		
4.	 Konjović Z., Fišl I., Obradović Đ., "Specification of the language for reporting in library information system", Yulnfo'98, Kopaonik 1998 							
5.	Obradovi	ć Đ., Konjović Z., "The system for the c	computer supported te	sting students kn	owledge", YuInfo'99, Kopaor	nik 1999.		
6.	Šolaiić D.	. Obradović Đ., Koniović Z., "Reengin	eering in the anthropo	morphic gait simu	lation system". PRIM 2000			
7.	7 Obradović Đ. Konjović Z. "Anthropomorphic Gait Simulation System" PRIM 2000							
8.	Obradovi	ć Đ., Šolaiić D., Koniović Z. "Softversk	i sistem za administrir	anie procesa izvo	ođenia nastave". YUINFO 20	04		
9.	Šolaiić D	. Obradović Đ., Koniović Z., "Web baz	irana aplikaciia za po	dršku razvoju soft	verskog projekta" YUINFO 2	2004		
10.	Jovanovio	ć D., Obradović Đ., Konjović Z., Goved	darica M., Softverski s	istem za detekciju	u topografskih znakova na ka	artama i		
Sur	nmary data	for teacher's scientific or art and profe	ssional activity:					
Quot	ation total :		0					
Total	of SCI(SSC	CI) list papers :	0					
Curre	ent projects	:	Domestic :	0	International :	0		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Okanović Đ. Dušan				
Acad	Academic title:					Assistant Professor			
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				01.02.2004				
Scier	ntific or art f	ield:			Applied Computer Science and Informatics				
Acad	Academic carieer Year Institution						Field		
Acad	lemic title el	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
PhD	thesis		2012	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
Magi	ster thesis		2006	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science		
Bach	elor's these	S	2002	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S			
	ID	Course	e name			Study pro	gramme name, study type		
						(E20) Con Academic (GI0) Geo Studies	nputing and Control Engineering, Undergraduate Studies desy and Geomatics, Undergraduate Academic		
1.	E233	Interne	et Networks			(SE0) Sof	ware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Sof Loznica, U	ware Engineering and Information Technologies - ndergraduate Academic Studies		
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	ISIT23	Web P	rogrammin	g		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
3.	ISIT30	Business process management systems				(SII) Softw Undergrad	II) Software and Information Technologies (Inđija), dergraduate Professional Studies		
4.	ISIT34	Identity Management				(SII) Softw Undergrad	Software and Information Technologies (Inđija), rgraduate Professional Studies		
5.	ISIT36	Software Development Tools				(SII) Softw Undergrad	Software and Information Technologies (Inđija), grgraduate Professional Studies		
6.	ISIT43	Config	uration and	Administration of Compu	ter Systems	(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
7.	ISIT45	eTrade	e and eBanl	king technologies and sys	tems	(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
	0=000/	o (. .			(SE0) Software Engineering and Information Technologies Undergraduate Academic Studies			
8.	SE0024	Softwa	are Construe	ction and Testing		(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
						(P00)Proo Studies	duction Engineering, Undergraduate Academic		
9.	SE239A	Web programming				(SE0) Software Engineering and Information Technologies Undergraduate Academic Studies			
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
10		Dearra	ont and c-	ntont monoret		(I20) Engineering Management, Specialised Professional Studies			
10.	EP007		Document and content management			(IB0) Engineering Management - MBA, Specialised Professional Studies			
11.	AD0008	Web d	esign in Arc	chitecture		(AD0) Dig Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies		
10	E2522	Softwar	are Standor	dization and Quality		(MR0) Measurement and Control Engineering, Master Academic Studies			
12.	EZƏZZ	SOILWE	are Stariuari	uization and Qudiity		(SE0) Software Engineering and Information Technologies, Master Academic Studies			
						(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			

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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses being held by the teacher in the accredited study programmes										
	ID Course name Study programme name, study type									
13.	DRNI05	Selected Topics in Software Standa	rdization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies						
	(F20) Engineering Animation, Doctoral Academic Studies									
Rep	Representative refferences (minimum 5, not more than 10)									
1.	 Okanović D., van Hoorn A., Konjović Z., Vidaković M.: SLA-Driven Adaptive Monitoring of Distributed Applications for Performance Problem Localization, Computer Science and Information Systems (ComSIS), 2012, ISSN 1820-0214 									
2.	2. Dušan Okanović, Zora Konjović, Automatska inicijalizacija klasa iz XML datoteke, Zbornik radova YU INFO 2005 (CD), Kopaonik 2005.									
3.	Dušan Okanović, Milan Vidaković, Upotreba JMX MLet servisa za ažuriranje verzija Java aplikacija, Zbornik radova YU INFO 2007 (CD), Kopaonik 2007.									
4.	4. Đorđe Obradović, Milan Vidaković, Zora Konjović, Dušan Okanović, "Generator ekranskih formi za JBoss Seam bazirane aplikacije", Zbornik radova YU INFO 2008 (CD), Kopaonik 2008.									
5.	Dušan Okanović, Milan Vidaković, "Primena jBPM okruženja u implementaciji eUprave", Zbornik radova YU INFO 2009 (CD), Kopaonik 2009.									
6.	Valentin I Zbornik ra	Penca, Siniša Nikolić, Dušan Okanovi adova YU INFO 2009 (CD), Kopaonik	ć, "Detekcija Skype sa 2009.	iobraćaja sistemo	m za detekciju upada u mre:	žu Snort",				
7.	Okanović Informatio	D., Vidaković M.: Software Performa on Society Technology and Managem	ance Prediction Using lent, Kopaonik, 29 mar	Linear Regression t-3 februar, 2012	n, 2. International Conferenc	e on				
8.	Okanović D., van Hoorn A., Konjović Z., Vidaković M.: Towards Adaptive Monitoring of Java EE Applications, 5. International Conference on Information Technology - ICIT, Amman, 11-13 Mai, 2011, ISBN 9957-8583-0-0									
9.	Okanović D., Konjović Z., Vidaković M.: Continuous Monitoring System for Software Quality Assurance, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011									
10.	 Okanović D., Vidaković M.: One Implementation of The System for Application Version Tracking and Automatic Updating, Proceedings of the IASTED International Conference on Software Engineering - SE 2007, Innsbruck, 12-14 februar 2008. 									
Sur	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		0							
Total	of SCI(SS	CI) list papers :	0							
Current projects : Domestic : 0 International : 0										


FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Pantović B. Jovanka			
Academic title:					Full Professor			
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:					13.06.1993			
Scier	ntific or art f	ield:		i	Mathematics			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2010				Mathematics	
PhD	thesis		2000	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Magi	ister thesis		1996	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	nelor's thesi	s	1991	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	E145	Opera	tions Resea	arch		(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2	E213	Discro	to Mathom	atics and Linear Algebra		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
2.	LZIJ	DISCIE		alles and Linear Algebra		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
	50014					(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	EZZIA	wathe	matical Ana	ilysis 2		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
4.	GI101	Algebr	a			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
5.	H203	Mathe	matics 3			(H00) Med	chatronics, Undergraduate Academic Studies	
6.	IAM002	Discre Graph	te and Corr ics	binatorial Methods for Co	omputer	(F10) Eng Studies	ineering Animation, Undergraduate Academic	
7	S052N	Onoro	tiona roada	roh		(S00) Trat Academic	ffic and Transport Engineering, Undergraduate Studies	
1.	30331	Opera	lions resea			(S01) Pos Undergrad	tal Traffic and Telecommunications, luate Academic Studies	
8.	0M512	Model	s of Compu	tation		(OM1) Ma Studies	thematics in Engineering, Master Academic	
9.	0ML512	Model	s of Compu	tation		(OM1) Ma Studies	thematics in Engineering, Master Academic	
						(E11) Pow Engineerin	ver, Electronic and Telecommunication Ig, Specialised Academic Studies	
						(I12) Indu	strial Engineering, Specialised Academic Studies	
10.	DZ01MS	Select	ed Chapter	s in Mathematics		(I22) Engi Studies	neering Management, Specialised Academic	
						(Z00) Env Studies	ironmental Engineering, Specialised Academic	
11.	D0M08	Applie	d Abstract /	Algebra		(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
12.	D0M13	Theory	of Mobile	Processes		(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
13.	D0M14	Proces	ss Algebra			(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
14.	D0M22	Multipl	e-Valued L	ogic		(OM1) Mathematics in Engineering, Doctoral Academic Studies		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	st of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study program	me name, study type			
15.	D0M23	Clone Theory		(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic		
				(E10) Power, El Engineering, Do (E20) Computin Academic Studie	ectronic and Telecommunic ctoral Academic Studies g and Control Engineering, I	ation Doctoral		
				(F00) Graphic E Studies	ingineering and Design, Doc	ctoral Academic		
				(F20) Engineeri (G00) Civil Engi	ng Animation, Doctoral Acac neering, Doctoral Academic	demic Studies Studies		
				(GI0) Geodesy	and Geomatics, Doctoral Ac	ademic Studies		
				(H00) Mechatro	nics, Doctoral Academic Stu	ıdies		
16.	DZ01M	Selected Chapters in Mathematics		(I20) Industrial E Doctoral Acaden	Engineering / Engineering M nic Studies	anagement,		
				(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies		
				(M40) Technica	Mechanics, Doctoral Acade	emic Studies		
				(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic		
				(S00) Traffic Engineering, Doctoral Academic Studies		ic Studies		
				(Z00) Environm Studies	ental Engineering, Doctoral	Academic		
				(Z01) Safety at	Work, Doctoral Academic St	tudies		
17.	AID05	Theory of Mobile Processes		(F20) Engineeri	ng Animation, Doctoral Acad	demic Studies		
18.	AID06	Graph theory		(F20) Engineeri	ng Animation, Doctoral Acad	demic Studies		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.	Gilezan S Algorithm	S., Pantović J., Žunić J.: Partitioning F is and Metaheuristics (editor: T. F. Go	inite d-Dimensional In nzalez)., Chapman	teger Grids with A	Applications, chapter in: App	roximation		
2.	Ghilezan Neural Ne	S., Pantović J., Žunić J.,Separating p etworks, 2007, Vol. 18, No. 5, 1356-13	oints by parallel hyper 363.	planes - characte	ization problem, IEEE Trans	actions on		
3.	Mariangio Comput.	ola Dezani-Ciancaglini, Silvia Ghilezar Sci, 2008, 402(2-3): 156-171	n, Jovanka Pantovic, D	aniele Varacca: S	Security types for dynamic w	veb data. Theor.		
4.	Pantović 2000, 369	J., Vojvodić D., On the cardinality of n 9-374.	onfinitely based functi	onally complete a	llgebras, Algebra Universalis	s, Vol. 43, No. 4,		
5.	Pantović Vol. 38, N	J., Tošić R., Vojvodić G., The cardina No.2, 1997, 136-140.	ity of functionally com	plete algebras on	a three element set, Algebr	a Universalis,		
6.	Pantović Vol. 19, N	J., Machida H., Rosenberg I.: Regula lo 1-3, pp. 149-162, ISSN 1542-3980	r sets of operations, J	ournal of Multiple	Valued Logic and Soft Com	puting, 2012,		
7.	Machida 18, No 2,	H., Pantović J.: Three classes of max pp. 201-210, ISSN 1542-3980	imal hyperclones, Jou	Irnal of Multiple V	alued Logic and Soft Compu	uting, 2012, Vol.		
8.	Pantović 2009, pp.	J., Machida H.: Maximal hyperclones . 1-13, ISSN 1542-3980	on E2 as hypercores	, Journal of Mult	iple Valued Logic and Soft (Computing,		
9.	Pantović Vol.113 (J., Tošić R., Vojvodić G., Relative con 2-3), 2001, 337-342.	npleteness with respec	ct to two unary fur	nctions, Discrete Applied Ma	athematics,		
10.	Marinagi Trustwort	ola Dezani-Ciancaglini, Silvia Ghileza thy Global Computing, Lecture Notes	n, Jovanka Pantović, S n Computer Science,	Security types for 2007, Vol. 4661,	dynamic web data, Proceec str. 263-280.	lings of		
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		30					
Total	of SCI(SSC	CI) list papers :	13					
Curre	ent projects	<u>:</u>	Domestic :	2	International :	3		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	Name and last name:				Pap I. Ištvan			
Acad	Academic title:				Assistant Pro	fessor		
Name of the institution where the teacher works full time and starting date:			-					
Scier	ntific or art f	ield:			Computer En	gineering ar	nd Computer Communication	
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2010				Computer Engineering and Computer Communication	
PhD	thesis		2009	Faculty of Technical Sci	ences - Novi S	ad	Computer Engineering and Computer Communication	
PhD	thesis		2008				Computer Engineering	
Magi	ster thesis		2001	Faculty of Technical Sci	ences - Novi S	ad	Computer Science	
Bach	elor's thesis	S	1998	Faculty of Technical Sci	ences - Novi S	ad	Computer Science	
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
1	DT/12	Enging	oring of Co	amputor Pasad Systems		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	K143	Engine				(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
2.	RT52A	Dedica	ated Compu	iter Structure Design 1		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	RT52B	RT52B Dedicated Computer Structure Design for S Processing			Signal	(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
4.	SE1006	Obiect	Oriented P	Programming 2		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
5.	SERT03	Embeo	dded syster	n design 1		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
6.	RT59	Real-T	ime Syster	n Design		(MR0) Me Academic	asurement and Control Engineering, Master Studies	
			,	C C		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies	
7	RT511	Practio	cum in com	puter engineering and con	nputer	(E20) Con Academic	nputing and Control Engineering, Master Studies	
		comm	unications			(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies	
8.	DRT10	Select systen	ed chapters	s of embedded computer b	based	(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)				
1.	Pap I., Lukić N., Marčeta Z., Teslić N., Schu M.: Real-1 1. Consumer Electronics, Las Vegas: IEEE Consumer Ele 10 1109/ICCE 2009 5012206				-time video qua lectronics Soci	ality assessr ety, , pp. 1-2	nent platform, 27. International Conference on 2, ISBN 978-1-4244-4701-5, UDK:	
2.	Mrazovao in home e	c B., Bje environr	lica M., Pap nent	o I., Teslić N.: Smart audi	o/video playba	ck control ba	ased on presence detection and user localization	
3.	Mrazovac B., Bjelica M., Teslić N., Pap I.: Towards Ub 3. Appliances, 1. IEEE International Conference on Cons Society, 6-8 Oktobar, 2011, pp. 324-328, UDK: http://ii				biquitous Smart sumer Electron eeexplore.ieee	Outlets for ics - Berlin (.org/xpl/free	Safety and Energetic Efficiency of Home Electric (ICCE-Berlin), Berlin: IEEE Consumer Electronic abs_all.jsp?arnumber=6031795	
4.	Pap I., Ša Internatio 4701-5, l	arić Z., \ nal Cor JDK: 10	/ukosavljev iference on .1109/ICCE	S., Teslić N., Temerinac Consumer Electronics, La .2009.5012265	M.: Hands-free as Vegas: IEEE	e Voice Con Consumer	nmunication Platform Integrated With TV, 27. Electronics Society, , pp. 1-2, ISBN 978-1-4244-	
5.	Pap I., Ša No 2, pp.	arić Z., 1 606-61	Гeslić N.: ⊢ 4, ISSN 009	lands-free Voice Commur 98-3063, UDK: doi: 10.110	nication with TV 09/TCE.2011.5	′, IEEE Trar 955198	esactions on Consumer Electronics, 2011, Vol. 57,	

SITAS STUDE UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies Representative refferences (minimum 5, not more than 10) Pap I., Šarić Z., Jovičić S., Teslić N.: Adaptive microphone array for unknown desired speaker's transfer function, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 2007, Vol. 122, No 2, pp. 44-49, ISSN 10.1121/1.2749077, UDK: 6 http://dx.doi.org/10.1121/1.2749077 Pap I., Šarić Z., Pal S., Velikić I.: Hands-free VoIP solution for embedded platforms in consumer electronics, 1. IEEE International 7. Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin: IEEE Consumer Electronics Society, 6-8 Oktobar, 2011, pp. 22-25, ISBN 978-1-4577-0233-4, UDK: 10.1109/ICCE-Berlin.2011.6031822 Kaštelan I., Katona M., Pap I., Davidović M., Rešetar I.: A Full-Duplex Hands-Free Videophone Add-on Device for Digital Television Sets, 1. IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin: IEEE Consumer 8 Electronics Society, 6-8 Oktobar, 2011, pp. 382-385, ISBN 978-1-4577-0232-7, UDK: http://dx.doi.org/10.1109/ICCE-Berlin.2011.6031817 Kaštelan I., Katona M., Pap I., Davidović M., Rešetar I.: An Integrated Audio and Video Communication System for Digital Television Sets, 2. IEEE Eastern European Conference on the Engineering of Computer Based Systems, Bratislava: IEEE 9 Computer Society, 5-6 Septembar, 2011, pp. 78-84, ISBN 978-0-7695-4418-2, UDK: http://dx.doi.org/10.1109/ECBS-EERC.2011.20 Bjelica M., Pap I., Teslić N., Coulon J.: Set-top box-based home controller, 14. IEEE International Symposium on Consumer Electronics (ISCE2010), Braunschweig: IEEE Consumer Electronics Society, 7-10 Jun, 2010, pp. 1-6, ISBN 978-1-4244-6672-10. 6/10, UDK: http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5523704 Summary data for teacher's scientific or art and professional activity: Quotation total 0 Total of SCI(SSCI) list papers : 2 0 0 Current projects Domestic : International :



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Perišić R. Branko				
Academic title:			Associate Professor				
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad				
starting date:				01.04.1983		and Information	
Scier		ieia:	Voor	Institution	Applied Com	buter Scienc	
Acad	lemic title of	action:	2011	Eaculty of Tochnical Sci	oncos Novi S	ad	Applied Computer Science and Informatics
Educ	ation Speci	alist	2011	Software Engineering In	stitute at Carna	au agie Mellon	
Thes	is		2007	University - Pittsburgh			Computer Science
Thes	ation Speci	alist	2004	Software Engineering In University - Pittsburgh	istitute at Carna	agie Mellon	Computer Science
PhD	thesis		1994	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics
Magi	ster thesis		1986	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics
Bach	elor's thesis	5	1977	Faculty of Electrical Eng	jineering - Sara	jevo	Electrical and Computer Engineering
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s	
	ID	Course	e name			Study pro	ogramme name, study type
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
1.	E235	Funda Engine	mentals of l	Information Systems and	Software	(F10) Eng Studies	ineering Animation, Undergraduate Academic
		-	-			(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies
				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
2.	E242	Softwa	are Specifica	ation and Modeling		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies
3	F2S40	Softwa	are Patterns	and Components		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
0.	L2040	Contwe				(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
4.	RI45	Software Design				(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
5.	RI53	Busine	ess Informat	tion Systems		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies
6.	ISIT22	Osnov	e baza pod	ataka		(SII) Softw Undergrad	vare and Information Technologies (Indija), luate Professional Studies
7.	ISIT26	Upravl	ljanje projek	tima		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies
8.	ISIT28	Inform	aciona bezt	pednost		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies
9.	ISIT2E	Osnov	e projektov	anja softvera		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies
10.	ISIT33	Integra	acija i verifik	acija softverskih aplikacija	a	(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies

ASTAS STUDIO

UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List at sources being hold by	the teacher in the appredited study programmed

	ID	Course name	Study programme name, study type
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
11.	SE0011	Introduction to Software Engineering	(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
12.	SE0017	Software Development Metrodologies	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
13	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
10.	010100		(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
14	SES40	Software patterns and components	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
14.	01040		(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
15	E2508	Agile Software Development Methodology	(E20) Computing and Control Engineering, Master Academic Studies
15.	L2500	Agile Software Development Methodology	(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E20) Computing and Control Engineering, Master Academic Studies
10			(MR0) Measurement and Control Engineering, Master Academic Studies
16.	E2509	Protection and Recovery of Software Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	GS014	The application of information technologies in energy efficiency	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
			(E20) Computing and Control Engineering, Master Academic Studies
18	E2522	Software Standardization and Quality	(MR0) Measurement and Control Engineering, Master Academic Studies
10.	LZJZZ		(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
19.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
20.	DRNI08	Selected Topics in Information Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
21		Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies
21.	2/10014		(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	DRNI12	Selected Topics in Contemporary Software Development Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
Rep	B Porioid	e reπerences (minimum 5, not more than 10)	of Large Scale Rusiness Information Systems" COMSIS
1.	2004		on Large Scale business information systems COMSIS
2.	Perišić B Compute	., Milosavljević G., Dejanović I., Milosavljević B.: UML Profil r Science and Information Systems (ComSIS), 2011, Vol. 8,	le for Specifying User Interfaces of Business Applications, No 2, pp. 405-426, ISSN 1820-0214
3.	Dejanovi Database	ć I., Milosavljević G., Tumbas Živanov M., Perišić B.: A Don Applications, Computer Science and Information Systems	nain-Specific Language for Defining Static Structure of (ComSIS), 2010, Vol. 7, No 3, pp. 409-440, ISSN 1820-0214

HASITAS STUD		FACULTY OF TECHNICAL SCI	UNIVERSITY OF NOVI SAD									
NU-NEO	ANTEN	Study F	Programme A	CCreditatio	ON Information Technologies	Hogh Con						
Re	presentative re	efferences (minimum 5, not more th	an 10)									
4.	Branko Per	išić "DMIS-Distributed Medical Infor	mation System Conce	ept&Structure", Sy	ystemScienceJournal N0.1	Vol.13 1987						
5.	Dejanović I Internationa	., Perišić B., Milosavljević G., Striče al Workshop on Model-Based Softw	vić N.: Towards a fou are and Data Integrati	ndation for distrib	outed version control of SLE	artifacts. In 3rd						
6.	Milosavljevi Symposium oldenburg.c	ć G., Dejanović I., Perišić B.: Read @MODELS 2011: Software Modeli le/documents/olnse-2-2011-EduSyr	ly for the industry: A p ing in Education, page mp.pdf	ractical approach es 31-40, Wellingt	to teaching mde. In 7th Ed on, New Zealand, www.se.	ucators uni-						
7.	Milosavljevi 14. Advanc	ć G., Dejanović I., Perišić B., Milosa es in Databases and Information Sy	avljević B.: UML Prof /stems, Novi Sad, 20-	ile for Specifying 24 Septembar, 20	User Interfaces of Business 010, pp. 77-94	s Applications,						
8.	Dejanović I Specific La	., Tumbas Živanov M., Milosavljević nguage, 14. Advances in Database	G., Perišić B.: Comp s and Information Sys	arison of Textual tems, Novi Sad, 2	and Visual Notations of DC 20-24 Septembar, 2010, pp.	DMMLite Domain- . 20-24						
9.	G.Milosavlj Systems Pr	ević, B.Perišić "Really Rapid Prototy ototyping San Diego 2003	yping of Large-Scale E	Business Informat	tion Systems", IEEE Worksl	hop on Rapid						
10.	Perišić B., Z Rađeno za:	Zečević I.: Program package Unive TEMPUS , 2007	rsity organizational str	ructure Korisnik: F	TN Novi Sad, Univerzitet u	ı Novom Sadu						
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:									
Quot	tation total :		12									
Tota	l of SCI(SSCI)	list papers :	4		i							
Curr	ent projects :		Domestic :	1	International :	6						



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last many									
Name and last name:					Petrović Vojislav				
Acad	Academic title:					Full Professor			
Nam	Name of the institution where the teacher works full time and				ne and	-			
starti	starting date:								
Scier	ntific or art f	ield:				Mathematical	Sciences		
Acad	lemic caries	er	Year	Institution				Field	
Acad	lemic title e	lection:							
List o	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	s		
	ID	Course	e name				Study pro	gramme name, study type	
1	850000	Diagra	to Mathom				(SE0) Soft Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
1.	320009	Discre		1005			(SEL) Soft Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
2.	D0M33	Positio	nal Games	i			(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
							(F20) Engineering Animation, Doctoral Academic Studies		
3.	DOM54	Compu	utational ge	ometry			(OM1) Mathematics in Engineering, Doctoral Academic Studies		
Rep	oresentative	e reffere	nces (minin	num 5, not more tha	an 10)	-			
1.	Petrović infinite se	V., Som ets, Eger	ne unavoida r (Hungaria)	tble subgraphs of si), 1987, 423-426.	trong t	ournaments, Co	olloquia Mat	thematica Societatis Janos Bolyai, 37. Finite and	
2.	Petrović	V., Som	ne unavoida	able subgraphs of to	ournam	nents, Journal of Graph Theory, Vol.12, No.3 (1988), 317-325.			
3.	Petrović	V., Tho	massen C.,	Kings in k-partite to	ournan	nents, Discrete	Mathematic	cs, 96 (1991), 237-238	
4.	engPetro	vić V., E	Decompositi	ion of some planar	graphs	s into trees, Dis	crete Mathe	matics 150 (1997), 449-451.	
5.	Petrović	V., King	s in bipartite	e tournaments, Disc	crete N	lathematics 173	3 (1997), 18	7-196.	
6.	Petrović	V., Pat	h numbers	of balanced bipartit	te tourr	naments, Discre	ete Mathem	atics 236 (2001), 281-285.	
7.	Petrović	V., Trem	ıl M., Claws	in rotational tourna	aments	s, Graphs & Co	mbinatorics	18 (2002), 591-596.	
8.	Petrović	V., Thor	nassen C.,	Edge-disjoint Hami	iltonian	cycles in hype	rtournamen	ts, Journal of Graph Theory 51(2006), 49-52.	
9.	Brcanov 2550-255	D., Petro 4.	ović V., Top	pling koings in mul	ltipartite	e tournaments l	by introduci	ng new kings, Discrete Mathematics 310 (2010),	
10.	Brcanov	D., Petr	ović V., Tre	eml M., Kings in hyp	pertour	naments, Grap	hs and Corr	nbinatorics, online January 2012.	
Sur	nmary data	for teac	her's scient	tific or art and profe	essiona	al activity:			
Quot	ation total :								
Tota	of SCI(SS	CI) list p	apers :						
Current projects : Dome				Dome	estic :		International :		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Academic title: Full Professor Scientific or art field: Computer Engineering and Computer Engineering and Computer Engineering and Computer Engineering and Computer Engineering Academic caneer Year Institution Academic caneer Year Institution PhD thesis 1990 Faculty of Technical Sciences - Novi Sad Computer Engineering and Computer Engineering Backeting 1990 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Backeting 1990 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Backeting 1984 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Backeting 1984 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Backeting 1984 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Ib Course name Study programme name, study type (E20) Computing and Control Engineering. Undergraduate Academic Studies 1. E23AZ Real Time System Programming 1 (E20) Computing and Control Engineering. Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering. Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (E20) Computing	Name and last name:					Popović V. Miroslav		
Name of the institution where the teacher works full time and Faculty of Technical Sciences - Novi Sad Event Status Scientific or at field: Computer Engineering and Computer Communication Academic carieer Year Institution Field Computer Engineering and Computer Engineering and Computer Engineering Academic title election 2002 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Magister Thesis 1988 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Bachelor's thesis 1984 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Lst of courses being held by the teacher in the accredited study programmes Study programme name. study type (E20) Computing and Control Engineering. Undergraduate Academic Studies 1. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering. Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering. Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SEU) Software Engineering and Information Technologies Loznica. Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (SED) Softwar	Academic title: F					Full Professor		
Stamp date: 21.03.1985 Scientific or art fielt: Computer Engineering and Computer Communication Academic carieer Year Institution Field Academic title election: 2002 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering PhD thesis 1990 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Bachelor's thesis 1984 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering List of courses being held by the teacher in the accredited study programme name, study type (£20) Computing and Control Engineering. Undergraduate Academic Studies 1. E23A2 Real Time System Programming 1 (£20) Computing and Control Engineering. Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (£20) Computing and Control Engineering, Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (551) Software Engineering and Information Technologies Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (551) Software Engineering and Information Technologies Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (550) Softwar	Nam	Name of the institution where the teacher works full time and Fac					chnical Scie	nces - Novi Sad
Scientific or art field: Institution Academic carrier Year Institution Field Academic carrier Year Institution Computer Engineering and Computer Engineering Bachelor's thesis 1984 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering List of courses being held by the teacher in the accredited study programmes Electrical and Computer Engineering List of courses being held by the teacher in the accredited study programme name, study type (E20) Computing and Control Engineering. Undergraduate Academic Studies 1. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering. Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering. Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SE0) Software Engineering and Information Technologies Loarnics. Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2	starting date: 21.03.					21.03.1985		
Academic ceneer Year Institution Field Academic title election: 2002 Faculty of Technical Sciences - Novi Sad Computer Engineering and Computer Engineering Magister thesis 1988 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Magister thesis 1988 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering List of courses being held by the teacher in the accredited study programmes Electrical and Computer Engineering. Undergraduate Academic Studies 1. E23A2 Real Time System Programming 1 Study programme name, study type 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering. Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (E30) Power, Electronic and Telecommunication Engineering. Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (SEL) Software Engineering and Information Technologies Undergraduate Academic Studies 5. SERT01 System Programming 1 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer Communications and Computer Engineering and Information Technologies Undergraduat	Scier	ntific or art f	ield:			Computer En	gineering ar	nd Computer Communication
Academic title election 2002 Faculty of Technical Sciences - Novi Sad Computer Engineering and Computer Engineering Magister thesis 1980 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Bacheforts thesis 1984 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Ib Courses being held by the teacher in the accredited study programmes Electrical and Computer Engineering Ib Course name Study programme name, study type	Acad	emic caries	er	Year	Institution			Field
PhD thesis 1990 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Magister thesis 1984 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering List of courses being held by the teacher in the accredited study programmes Electrical and Computer Engineering, Undergraduate Academic Studies ID Course name Study programme name, study type II. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering, Undergraduate Academic Studies 1. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 4. SE1000 Object Oriented Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 5. SERT01 System Programming 1 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer engineering and Information Technologies Undergraduate Academi	Acad	emic title el	ection:	2002	Faculty of Technical Science	ences - Novi Sa	ad	Computer Engineering and Computer Communication
Magister thesis 1988 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering Bachelor's thesis 1984 Faculty of Technical Sciences - Novi Sad Electrical and Computer Engineering List of courses being held by the teacher in the accredited study programme Study programme name, study type I. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering, Undergraduate Academic Studies 1. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 5. SERT01 System Programming 1 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer engineering and computer Notificate Academic Studies (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 7. RT511	PhD	thesis		1990	Faculty of Technical Science	ences - Novi Sa	ad	Electrical and Computer Engineering
Bachelor's thesis 1984 Teaculy of Technical Sciences - Nov Sad Electrical and Computer Engineering List of courses being held by the teacher in the accredited study programmes Study programme name, study type ID Course name Study programme name, study type 1. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (E50) Power Software Engineering and Information Technologies Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 1 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 5. SERT01 System Programming 1 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer Communications and Computer (SE0) Software Engineering and Inform	Magi	ster thesis		1988	Faculty of Technical Science	ences - Novi Sa	ad	Electrical and Computer Engineering
List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E50) Power Software Engineering and Information Technologies Undergraduate Academic Studies 3. SE0032 Parallel Programming (SEU) Software Engineering and Information Technologies Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 5. SERT01 System Programming 1 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer Communications and Computer Networks 2 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 7. RT511 Practicum in computer engineering and computer Communications and Computer<	Bach	elor's thesis	S	1984	Faculty of Technical Sci	ences - Novi Sa	ad	Electrical and Computer Engineering
ID Course name Study programme name, study type 1. E3A2 Real Time System Programming 1 (E20) Computing and Control Engineering, Undergraduate Academic Studies 1. E23A2 Real Time System Programming 1 (E21) Software Engineering and Information Technologies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 5. SERT01 System Programming 1 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer Communications and Computer Networks 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 7. RT51 Practicum in computer engineering and computer Networks 2 (SE0) Software Engineering and Information Technol	List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S	
1. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering, Undergraduate Academic Studies 1. E23A2 Real Time System Programming 1 (E20) Computing and Control Engineering and Information Technologies Loznica, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 5. SERT01 System Programming 1 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer communications and Computer Networks 2 (E20) Computing and Control Engineering, Master Academic Studies 7. RT511 Practicum in computer engineering and computer Communications (SE0) Software Engineering and Information Technologies Master Academic Studies 8. DAU002 Selected Chapters in Computing (E20) Computing and Co		ID	Course	e name			Study pro	gramme name, study type
1. E23A2 Real Time System Programming 1 (SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SEU) Software Engineering and Information Technologies Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 5. SERT01 System Programming 1 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer Communications and Computer Networks 2 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 7. RT511 Practicum in computer engineering and computer Networks 2 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 8. DAU002 Selected Chapters in Computing and Computer Networks 2 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 9. DRT01 Selected Chapters in Computing and Computer Networks 2 (SED) Software En							(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
Image: Construct of the system Programming 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 2. E23M Real Time System Programming 2 (E20) Computing and Control Engineering, Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 3. SE0032 Parallel Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 5. SERT01 System Programming 1 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer Communications and Computer Networks 2 (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 7. RT511 Practicum in computer engineering and computer Communications and Computer Communications (E20) Computing and Control Engineering and Information Technologies Master Academic Studies 8. DAU002 Selected Chapters in Computing (E20) Computing and Control Engineering and Information Technologies Master Academic Studies 9. DRT01 Selected Chapters in Real Time Systems Software (E20) Computing and Contro	1.	E23A2	Real T	ime System	Programming 1		(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies
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3. SEU032 Parallel Programming (SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies 4. SE1006 Object Oriented Programming 2 (SED) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies 5. SERT01 System Programming 1 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 6. RT57 Inter Computer Communications and Computer Networks 2 (SED) Software Engineering and Information Technologies Undergraduate Academic Studies 7. RT511 Practicum in computer engineering and computer communications (SED) Software Engineering and Information Technologies Master Academic Studies 8. DAU002 Selected Chapters in Computing (E20) Computing and Control Engineering, Master Academic Studies 9. DRT01 Selected Topics in Computing (F00) Graphic Engineering and Information Technologies Master Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 11. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programmanje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.		050000	Develle		- !		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies
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8. Networks 2 (SE0) Software Engineering and Information Technologies Master Academic Studies 7. RT511 Practicum in computer engineering and computer communications (E20) Computing and Control Engineering, Master Academic Studies 8. DAU002 Selected Chapters in Computing (F00) Graphic Engineering and Design, Doctoral Academic Studies 9. DRT01 Selected Chapters in Real Time Systems Software (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 11. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.	6	RT57	Inter C	Computer Co	ommunications and Comp	outer	(E20) Con Academic	nputing and Control Engineering, Master Studies
7. RT511 Practicum in computer engineering and computer communications (E20) Computing and Control Engineering, Master Academic Studies 8. DAU002 Selected Chapters in Computing (F00) Graphic Engineering and Design, Doctoral Academic Studies 9. DRT01 Selected Chapters in Real Time Systems Software (E20) Computing and Control Engineering, Master Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 11. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.	0.		Netwo	rks 2			(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies
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8. DAU002 Selected Chapters in Computing (F00) Graphic Engineering and Design, Doctoral Academic Studies 9. DRT01 Selected Chapters in Real Time Systems Software (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (OM1) Mathematics in Engineering, Doctoral Academic Studies 10. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.	<i>י</i> .		comm	unications			(SE0) Soft Master Aca	tware Engineering and Information Technologies, ademic Studies
9. DRT01 Selected Chapters in Real Time Systems Software (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (OM1) Mathematics in Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (DM1) 11. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.	8.	DAU002	Select	ed Chapters	s in Computing		(F00) Gra Studies	phic Engineering and Design, Doctoral Academic
9. DRT01 Selected Chapters in Real Time Systems Software (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (OM1) Mathematics in Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (OM1) Mathematics in Engineering, Doctoral Academic Studies 10. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.							(H00) Med	chatronics, Doctoral Academic Studies
10. DAU014 Selected Topics in Computing (E20) Computing and Control Engineering, Doctoral Academic Studies 10. DAU014 Selected Topics in Computing (OM1) Mathematics in Engineering, Doctoral Academic Studies Representative refferences (minimum 5, not more than 10) 1. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.	9.	DRT01	Select	ed Chapters	s in Real Time Systems S	oftware	(E20) Con Academic	nputing and Control Engineering, Doctoral Studies
Image: Stream of the second representative refferences (minimum 5, not more than 10) (OM1) Mathematics in Engineering, Doctoral Academic Studies Image: Note that the second representative refferences (minimum 5, not more than 10) 1. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.	10		Select	ed Tonics ir	Computing		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies
Representative refferences (minimum 5, not more than 10) 1. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.	10.	5,0014					(OM1) Ma Studies	thematics in Engineering, Doctoral Academic
1. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 1: Programski alati i paralelno programiranje, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.	Rep	oresentative	reffere	nces (minim	num 5, not more than 10)			
	1.	Vladimir I programi	Kovačev ranje, U	vić, Miroslav niverzitet u	Popović, Sistemska prog Novom Sadu, Fakultet teł	gramska podrši nničkih nauka, ž	a u realnon 2011.	n vremenu 1: Programski alati i paralelno
2. Vladimir Kovačević, Miroslav Popović, Sistemska programska podrška u realnom vremenu 2: Operativni sistemi za rad u realnon vremenu, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.	2.	Vladimir I vremenu,	Kovačev Univer:	vić, Miroslav zitet u Novo	Popović, Sistemska prog m Sadu, Fakultet tehnički	gramska podrši ih nauka, 2011.	ka u realnon	n vremenu 2: Operativni sistemi za rad u realnom

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		Study Programme Accreditation					
Rep	presentative re	efferences (minimum 5, not more th	an 10)	<u> </u>	U		
3.	Miroslav Po	pović, Communication Protocol Eng	gineering, CRC Press	, Boca Raton, Flo	rida, 2006, ISBN 0849398	142.	
4.	Čapko D., E Verlag, 201	Erdeljan A., Popović M., Švenda G.: 0, str. 555-558, ISBN 978-3-642-15	An Optimal Relation	ship-Based Partiti	oning of Large Datasets, I	_NCS, Springer	
5.	Popović M. Elsevier, 20	, Bašičević I.: Test case generation 010, Vol. 52, No 6, pp. 697-706, ISS	for the task tree type N 0950-5849	of architecture, Ir	formation and Software T	echnology,	
6.	Popović M. Research a	, Kuprešanin I., Bašičević I.: Gener nd Essays, 2012, Vol. 7, No 11, pp	ic method for statistical testing of parallel programs based on task trees, Scientific . 1992-2248, ISSN 1992-2248				
7.	Čapko D., E Systems, E	Erdeljan A., Švenda G., Popović M.: lectronics and electrical engineering	A Dynamic Repartition g, 2012, Vol. 5, No 12	oning of Large Da 1, pp. 1392-1215,	ta Model in Distribution M ISSN 1392-1215	anagement	
8.	Čapko D., E Journal of A	Erdeljan A., Popović M., Švenda G.: Advances in Electrical and Compute	An Optimal Initial Pa r Engineering, 2011, V	rtitioning of Large /ol. 11, No 4, pp.	Datasets in Utility Manag 41-46, ISSN 1582-7445	ement Systems,	
9.	Bašičević I. communica	, Kukolj D., Popović M.: On the app tions, Applied Intelligence, 2010, Vo	blication of fuzzy-base ol. 2093, pp. 75-84, IS	d flow control app SN 1573-7497	roach to High Altitude Pla	tform	
10.	Bašičević I. 2008, Vol. 3	, Popović M.: Use of SIP Protocol i 3, No October, ISSN 1477-4739	n Development of Tel	ecom Services ,	Journal of The Communic	ations Network,	
Sun	nmary data fo	r teacher's scientific or art and profe	essional activity:				
Quot	ation total :		216				
Total	of SCI(SSCI)	list papers :	11		i		
Curre	ent projects :		Domestic :	1	International :	1	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Radivojević D. Radoš		
Academic title:					Full Professor		
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad		
start	ing date:				01.09.1991		
Scie	ntific or art f	ield:			Sociology		
Aca	demic cariee	er	Year	Institution			Field
Aca	demic title el	lection:	2001	Faculty of Technical Sci	ences - Novi Sa	ad	Sociology
PhD	thesis		1990	Faculty of Philosophy - I	Novi Sad		Sociology
Mag	ister thesis		1983	Faculty of Philosophy - I	Beograd		Sociology
Bac	nelor's thesis	S	1973	Faculty of Philosophy - I	Beograd		Sociology
List	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s	
	ID	Course	e name			Study pro	gramme name, study type
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies
1.	E106	Sociol	oav of Tech	nique		Undergrad	uate Academic Studies
			5,			(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies
	5054	Qualat	:			(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies
Ζ.	E251	500101	ogical Aspe	cts of Technical Developr	nent	(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
3.	3. E251A Sociological Aspects of Technical Develop				nent	(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies
4.	F108	Sociol	ogy of Cultu	ire		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies
5.	GG02	Sociol	ogy and Ec	onomics in Civil Engineeri	ng	(G00) Civi	l Engineering, Undergraduate Academic Studies
6.	GG105	Sociol	ogy of Work	((G00) Civi	I Engineering, Undergraduate Academic Studies
						(F10) Eng Studies	ineering Animation, Undergraduate Academic
7.	M318	Sociol	ogy of Tech	nique		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
						(H00) Mea	chatronics, Undergraduate Academic Studies
8.	Z310	Social	Ecology			(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic
9.	A206	Sociol	ogy and Ec	onomy of the Built Enviror	ment	(A00) Arcl	nitecture, Undergraduate Academic Studies
10.	ASO311	Sociol	ogy of Art a	nd Culture		(AS0) Sce Undergrad	enic Architecture, Technique and Design, uate Academic Studies
11.	ETI41	Sociol	ogy of Tech	nique		(E02) Elect Profession	ctronics and Telecommunications, Undergraduate al Studies
10	IM1002	Conich	ony of Mort			(110) Indus Studies	strial Engineering, Undergraduate Academic
12.	1011003	M1003 Sociology of Work				(I20) Engi Studies	neering Management, Undergraduate Academic
13.	A005S	Urban	sociology a	ind economics: selected c	hapters	(A00) Arcl	nitecture, Specialised Academic Studies
14.	ZRMI3A	Sociol	ogical and L	egal Aspects of Occupati	onal Safety	(Z01) Safe	ety at Work, Master Academic Studies
15.	A005	Urban	Sociology a	and Economics – Selected	d Chapters	(A00) Arcl	nitecture, Doctoral Academic Studies
Re	presentative	reffere	nces (minin	num 5, not more than 10)			
1.	Sociologi	ja nauke	e, Stylos, N	ovi Sad, 1997.			
2.	Tehnika i	društvo	, Fakultet te	ehničkih nauka, Novi Sad,	2003.		
	0	ia nasel	ia Fakultet	et tehničkih nauka. Novi S	Sad. 2004.		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Rakić S. Predrag					
Acad	lemic title:				Assistant Professor			
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:			01.01.2003					
Scier	ntific or art f	ield:			Applied Computer Science and Informatics			
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	lection:	2011	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics	
PhD	thesis		2011	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics	
Magi	ster thesis		2006	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics	
Bach	elor's thesis	S	2001	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics	
List o	of courses b	eing he	d by the tea	acher in the accredited stu	idy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E225	Operat	ting System	s		(E20) Con Academic (ES0) Pow	nputing and Control Engineering, Undergraduate Studies ver Software Engineering, Undergraduate	
						Academic	Studies	
						(MR0) Me	asurement and Control Engineering,	
2.	EE301	Operat	ting System	s and Competitive Progra	mming	(E10) Down	er Electronic and Telecommunication	
						Engineerin	g, Undergraduate Academic Studies	
3.	ISIT04	Osnov	e računara			(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
	0=0044					(SE0) Soff Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
4.	SE0014	Compi	iter organis	ation		(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
_	0=0004					(SE0) Soff Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
5.	SE0031	Operat	ting System	S		(SEL) Soff Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
	0=0000					(SE0) Soff Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
6.	SE0033	Generi	c and Meta	Programming		(SEL) Soff Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
7.	SEM099	Progra	mm Optimi	zation		(SE0) Software Engineering and Information Technologies, Master Academic Studies		
Rep	oresentative	e refferei	nces (minim	um 5, not more than 10)				
1.	Rakić P., for geom 0965-997	Milašino etric nor 78	ović D., Živa nlinear anal	anov Ž., Suvajdžin Z., Niko vsis: A hybrid approach, A	olić M., Hajduk dvances in En	ović M.: MF gineering So	PI–CUDA parallelization of a finite-strip program offware, 2011, Vol. 42, No 5, pp. 273-285, ISSN	
2.	Hajdukov Harmonic Science a	rić M., M c Couple and Info	lilašinović D ed Finite Str rmation Sys	., Nikolić M., Rakić P., Živ ip Method Applied on Lar tems (ComSIS), 2012, Vo	/anov Ž., Striče ge Displaceme bl. 9, No 2, pp.	vić L.: Sco nt Stability A 741-761, IS	pe of MPI/OpenMP/CUDA Parallelization of Analysis of Prismatic Shell Structures, Computer SN 1820-0214	
3.	Živanov Ž (ComSIS	Ž., Rakić), 2010,	P., Hajduk Vol. 7, No 4	ović M.: COLIBROS: Edu 4, pp. 705-719, ISSN 1820	ucational opera 0-0214, UDK: 0	ting system 104.45	, Computer Science and Information Systems	
4.	Rakić P., Septemb	Stričevi ar, 2012	ć L., Suvajo	Ižin Z.: Statically Typed N	Aatrix: in C lib	rary, 5. Balk	an Conference in Informatics, Novi Sad, 16-20	
5.	Stričević MPI Clus 22 Nover	L., Raki ter by U nbar, 20	ć P., Hajdul sing Multipl 12, pp. 140	ković M.: Finite Strip Meth e Network Links, 20. Tele 5-1408, ISBN 978-1-4673	nod Constructic komunikacioni 3-2982-8	on Analysis I forum TELF	Program Execution Speed Improvement on an OR, Beograd: Telecommunications Society, 20-	
6.	Živanov ž Science a	Ž., Rakić and Info	P., Hajduk rmation Sys	ović M.: Wireless sensor tems (ComSIS), 2008, Vo	network applic ol. 5, No 1, pp.	ation progra 109-126, IS	amming and simulation system, Computer SN 1820-0214	
7.	Živanov ž Informatio	Ž., Rakić on Syste	P., Hajduk ms (ComS	ović M.: Using code gene IS), 2008, Vol. 5, No 1, pp	eration approad b. 41-59, ISSN	h in develop 1820-0214	ping kiosk applications, Computer Science and	
8.	Milašinov Nonlinea	′ić D., Ži r Shear-	vanov Ž., R Lag Effect S	akić P., Suvajdžin Z., Niko Supported by Automatic V	olić M., Hajduk /isualization	ović M., Bor	ković A., Milaković I.: A Finite-Strip Analysis of	
9.	Milašinov using the	rić D., Bo Harmor	orković A., ž nic Coupled	Źivanov Ž., Rakić P., Hajd Finite-Strip Method	uković M., Furt	ula B.: Larç	ge Displacement Stability Analysis of Columns	

UNIVERSITY OF NOVI SAD VOIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies Representative refferences (minimum 5, not more than 10) 10. Rakić P., Stričević L., Živanov Ž., Suvajdžin Z., Hajduković M.: Računarska učionica - iskustva u pripremi i korišćenju, INFO M, Beograd, 2007, Vol. 6, No 21, pp. 9-13, ISSN 1450-6254, UDK: 659.25 Summary data for teacher's scientific or art and professional activity: Quotation total : 0 Total of SCI(SSCI) list papers : 5

1

International :

0

Domestic :

Current projects :



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Rapaić R. Milan					
Acad	lemic title:			Assistant Professor				
Nam	e of the inst	itution where the	teacher works full time and	Faculty of Te	Faculty of Technical Sciences - Novi Sad			
starti	ing date:			01.12.2006				
Scier	ntific or art f	ield:		Automatic Co	ontrol and Sy	ystem Engineering		
Acad	lemic caries	er Year	Institution		Field			
Acad	lemic title e	ection: 2011	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
PhD	thesis	2011	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
Mast	ter's thesis	2006	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
List o	of courses b	eing held by the	teacher in the accredited stu	udy programme	es			
	ID	Course name			Study pro	ogramme name, study type		
1	AU41	Digital Control S	Systems		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
		Bighar Control C	Joone		(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies		
					(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
2	F237	Ontimization Matheda			(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies		
2.	2207	opumization in		(SE0) Sof Undergrad	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
					(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
3.	E237A	Optimization Me	ethods		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
4.	GI005	Intelligent Contr	ol Systems		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
5.	H1405	Optimization Me	ethods		(H00) Med	chatronics, Undergraduate Academic Studies		
6.	H302	Control System	s 2		(H00) Mea	chatronics, Undergraduate Academic Studies		
7.	BM118A	Nonlinear progr	amming and optimal control	l	(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
8.	BM130A	Digital control s	ystems in bioengineering		(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
9.	E2316	Real-time control	ol systems		(E20) Con Academic	(E20) Computing and Control Engineering, Undergraduate Academic Studies		
10.	SEAU01	Nonlinear progr	amming and evolutionary co	omputations	(SE0) Sof Undergrad	SE0) Software Engineering and Information Technologies, ndergraduate Academic Studies		
11.	SEAU03	Real-time control	ol algorithms		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
12	AU511	Adaptive and Advanced Central			(E20) Con Academic	nputing and Control Engineering, Master Studies		
					(MR0) Me Academic	easurement and Control Engineering, Master Studies		
13.	A118S	Contemporrary urbanism	technologies applied to arch	nitecture and	(A00) Arcl	hitecture, Specialised Academic Studies		
14.	AT03	Optimization an design	d control techniques in arch	itectural	(AH0) Arch	nitecture, Master Academic Studies		
15.	AT04	Contemporary t architecture, url	heories and technologies ap panism and design 1	oplied to	(AD0) Dig Architectur	ital Techniques, Design and Production in re and Urban Planning, Master Academic Studies		
		Contemporary t	heories and technologies ar	oplied to		niecture, Master Academic Studies		
16.	AT05	architecture, ur	panism and design 2			IIIEGIUIE, MASIEI AGAUEITIIG SUUIES		
17.	DAU010	Selected Chapt	ers in Nonlinear Control Sys	stems	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic			
					Studies			
18.	A118	Contemporary t urbanism	ecnnologies applied to arch	itecture and	(A00) Arcl	hitecture, Doctoral Academic Studies		



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Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes						
	ID Course name			Study programme name, study type			
19.	DAU005	DAU005 Selected Chapters in Optimization Methods (E20) Computing and Control Engineering, Doctora Academic Studies				Doctoral	
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.	Milan R. FTN Nov	Rapaić, "Optimalno i suboptimalno up i Sad, 2011	ravljanje klasom sister	ma sa raspodeljer	nim parametrima", doktorska	disertacija,	
2.	Milena Pe and fault	etković, Milan R. Rapaić, Zoran D. Jel detection, Expert Systems with Applic	ičić, Alessandro Pisan cations, Volume 39 Iss	o (2012) On-line a ue 11, Septembe	adaptive clustering for proce r, 2012 Pages 10226-10235	ss monitoring	
3.	Milan R. 2010	Rapaić, Zoran D. Jeličić, Optimal cont	rol of heat diffusion sy	stems, Nonlinear	Dynamics, Vol 62, Number	1-2, 39-51,	
4.	Alessandro Pisano, Milan R. Rapaić, Zoran D. Jeličić, Elio Usai, Sliding mode control approaches to robust regulation of linear multivariable fractional-order dynamics, International Journal of Robust and Nonlinear Control, Volume 20, Issue 18, pages 2045–2056						
5.	Željko Kanović, Milan Rapaić, Zoran Jeličić, Generalized Particle Swarm Optimization Algorithm - Theoretical and Empirical Analysis with Application in Fault Detection, Applied Mathematics and Computation (in press, doi:10.1016/j.amc.2011.05.013)						
6.	Milan R. Paramete	Rapaic, Zeljko Kanovic, Time-Varying er Adjustment Schemes, Information F	PSO - Convergence / Processing Letters , 10	Analysis, Converg 9 (2009) 548–552	ence Related Parameterizat	tion and New	
7.	Milan R. Electrical	Rapaić, Tomislav B. Šekara, Novel dii Engineering, DOI: 10.1007/s00202-0	rect optimal and indire 11-0195-5	ct method for disc	retization of linear fractional	systems,	
8.	Jovan K. approach and Phar	Popović, Milica T. Atanacković, Ana S to the compartmental analysis in pha macodynamics, Vol. 37, No. 2, (2010)	S. Pilipović, Milan R. R irmacokinetics: fraction) 119-134	apaić, Teodor M. nal time evolution	Atanacković, Stevan Pilipov of diclofenac, Journal of Pha	ić, A new armacokinetics	
9.	Jovan K. Popović, Milica T. Atanacković, Ana S. Pilipović, Milan R. Rapaić, Teodor M. Atanacković, Stevan Pilipović, Remarks on the mass balance for multi-compartmental models; a nonlinear compartmental model, Journal of Pharmacokinetics and Pharmacodynamics. Vol. 37, No. 2 (2010) 217-220						
10.	Jovan K. Popović, Diana Dolićanin, Milan R. Rapaić, Stevan L. Popović, Stevan Pilipović, Teodor Atanacković, A nonlinear two compartmental fractional derivative model, European Journal of Drug Metabolism and Pharmacokinetics, (in press: DOI 10.1007/s13318-011-0057-6)						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		85				
Total	of SCI(SS	CI) list papers :	11				
Curre	ent projects	:	Domestic :	0	International :	0	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name: Ristić			Ristić M. Son	stić M. Sonja				
Acad	lemic title:				Associate Pro	sociate Professor		
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Tee	f Technical Sciences - Novi Sad		
starti	ng date:				01.10.2006	01.10.2006		
Scientific or art field:					Information-C	ommunicati	on Systems	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	lection:	2008	Faculty of Technical Scie	ences - Novi Sa	ad	Information-Communication Systems	
PhD	thesis		2003	Faculty of Economics - S	Subotica		Information-Communication Systems	
Magi	ster thesis		1994	Faculty of Economics - S	Subotica		Information-Communication Systems	
Bach	elor's thesis	S	1989	Faculty of Economics - S	Subotica		Economics	
Bach	elor's thesis	S	1983	Faculty of Sciences - No	ovi Sad		Mathematics	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	Z201	Funda	mentals of	Computer Technologies		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
2.	Z201A	Funda	mentals of	Computer Technologies		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
3.	ISIT3A	Metod	ologije i sist	emi za upravljanje IT resu	ırsima	(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
4.	H401	Object	Oriented T	echnologies		(H00) Med	chatronics, Undergraduate Academic Studies	
5.	II1002	Compu	uter Techno	logies		(110) Indus Studies	strial Engineering, Undergraduate Academic	
6.	IM1010	Funda	mentals of I	Information Technologies		(I20) Engineering Management, Undergraduate Academic Studies		
_	114500		. .			(I10) Indus Studies	strial Engineering, Undergraduate Academic	
7.	IM1506	Databa	ase Design			(I20) Engin Studies	eering Management, Undergraduate Academic	
				<i></i>		(110) Indus Studies	strial Engineering, Undergraduate Academic	
8.	IM1512	Object	-oriented in	irromation lechnologies		(I20) Engineering Management, Undergraduate Academic Studies		
			_			(110) Industrial Engineering, Undergraduate Academic Studies		
9.	IM1516	Databa	ase System	S		(I20) Engineering Management, Undergraduate Academic Studies		
10.	IM1519	Inform	ation Syste	m Architecture and Comp	uter Networks	(I20) Engineering Management, Undergraduate Academic Studies		
	0=0040					(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
11.	SE0016	Databa	ases			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
		_				(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
12.	IMDS33	Structu	ures of Mod	ern Information and Comr	nunication	(112) Indus	strial Engineering, Specialised Academic Studies	
		0,000				(I22) Engi Studies	neering Management, Specialised Academic	
						(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
13.	IMDS36	Advan	ced data m	odels and database system	ms	(I12) Indu	strial Engineering, Specialised Academic Studies	
						(I22) Engi Studies	neering Management, Specialised Academic	
14.	PLM11	Produc	ct Data Mar	nagement		(I1U) Indu and Develo	strial Engineering - Product Lifecycle Management opment, Master Academic Studies	
15.	LIM02	Busine	ess Informat	tion Systems		(LIM) Logi Academic	stic Engineering and Management, Master Studies	
16.	E2537	IT Res	ources Mar	nagement		(SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies	

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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List c	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study program	me name, study type			
17.	IIDS8	Selected chapters from Information,	management and	(GI0) Geodesy Studies	and Geomatics, Specialised	Academic		
		communication systems		(112) Industrial E	Engineering, Specialised Ac	ademic Studies		
18	IM2513	Data Warehouse Design		(110) Industrial E	Engineering, Master Acaden	nic Studies		
10.	11112.013	Data Walenouse Design		(I20) Engineering Management, Master Academic Studies				
19.	IMDS73	Selected chapters from Information r	management	(I22) Engineerir Studies	ng Management, Specialiseo	d Academic		
20.	PLM04	Product Data Management		(I20) Engineerir Studies	ng Management, Specialiseo	d Professional		
21.	IMDR33	Structures of Modern Information and Systems	d Communication	(120) Industrial E Doctoral Acader	Engineering / Engineering M nic Studies	anagement,		
22.	IMDR36	Advanced Data Models and Databas	se Systems	(I20) Industrial E Doctoral Acader	Engineering / Engineering M nic Studies	anagement,		
				(Z01) Safety at	Work, Doctoral Academic S	tudies		
23.	IMDR73	Selected chapters from Information r	management	(120) Industrial E Doctoral Acader	Engineering / Engineering M nic Studies	anagement,		
24.	IMDR81 Selected chapters from Information, management and communication systems (120) Industrial Engineering / Engin Doctoral Academic Studies					anagement,		
Rep	Representative refferences (minimum 5, not more than 10)							
1.	Luković I., Popović A., Mostić J., Ristić S.: A Tool for Modeling Form Type Check Constraints and Complex Functionalities of Business Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 2, pp. 359-385, ISSN 1820-0214							
2.	Lukovic I, Mogin P, Pavicevic J, Ristic S, An Approach to Developing Complex Database Schemas Using Form Types, Software: 2. Practice and Experience, Volume 37, Issue 15, Pages 1621-1656, December 2007. Online ISSN: 1097-024X Print ISSN: 0038- 0644 Copyright 2007. John Wiley & Sons Ltd, Hoboken, USA, Published Online: May 29 2007 12:28PM DOI: 10.1002/spe.820							
3.	Aleksić S Integrity (publishing	., Ristić S., Luković I., Čeliković M.: A Constraints, Computer Science and In g)	Design Specification formation Systems (C	and a Server Imp omSIS), 2013, Vo	lementation of the Inverse F bl. 10, ISSN 1820-0214 (Acc	Referential epted for		
4.	Ristić S., and Orga	Luković I., Pavićević J., Mogin P.: Re nizational Sciences (JIOS), 2007, Vol	esolving Database Col . 31, No 1, pp. 187-20	nstraint Collisions 6, ISSN 1846-33	Using IIS*Case Tool, Journ 12, UDK: 004.651	al of Information		
5.	Luković I. Novi Sad	., Ristić S., Mogin P., Pavićević J.: Da Journal of Mathematics, 2006, Vol. 30	atabase Schema Integ 6, No 1, pp. 115-150,	ration Process – / ISSN 1450-5444	A Methodology and Aspects	of Its Applying,		
6.	Luković I. and Orga	., Mogin P., Govedarica M., Ristić S.: nizational Sciences (JIOS), 2002, Vol	The Structure of A Su . 26, No 1-2, pp. 69-8	bschema and Its 5, ISSN 1846-331	XML Specification, Journal	of Information		
7.	Ristić S., Electrical	Aleksić S., Luković I., Banović J.: For Engineering and Informatics, Technic	rm-Driven Application al University Kosice, 2	Development, Ac 2012, Vol. 12, No	ta Electrotechnica et Informa 1, pp. 9-16	atica, Faculty of		
8.	Ristić S.: on Lean 7892-445	Lean Thinking Principles in the Conte Technologies - LeanTech, Novi Sad: F 5-3	ext of Model-Driven So Faculty of Technical So	oftware Developm ciences, 13-14 Se	nent, 1. International Scientif eptembar, 2012, pp. 233-239	ic Conference 9, ISBN 978-96-		
9.	Ristić S., Business 129, ISBI	Luković I., Aleksić S., Banović J., Al-E Applications, 5. Balkan Conference ir N 978-1-4503-1240-0	Dahoud A.: An Approa Informatics, Novi Sa	ach to the Specific d: ACM New York	cation of User Interface Tem , USA, 16-20 Septembar, 20	plates for 012, pp. 124-		
10.	 Ristić S., Rakić-Skoković M., Al-Dahoud A.: An Overview of the Approaches for A PLM Application's Customization, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, pp. 217-222, ISBN 978-86-7892-341-8 							
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		14					
Total	of SCI(SSC	CI) list papers :	3			,		
Curre	ent projects	:	Domestic :	2	International :	2		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Sladić S. Goran				
Acad	emic title:				Assistant Professor		
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad		
starting date:			01.02.2004				
Scier	nufic or art f	ield:	Veri	la stitution	Applied Computer Science and Informatics		
Acad	emic caries	er ootierer	Year		anaag Ned O	ad	Field
	emic title el	ection:	2011	Faculty of Technical Sci	ences - Novi Si	ad	Applied Computer Science and Informatics
Mogi	tor theorie		2011	Faculty of Technical Sci		au	Computer Science
Rach	olor's thosis		2000	Faculty of Technical Sci	oncos Novi S	au	Computer Science
List	of courses b	oing ho	2002	acher in the accredited stu	Idv programme		
LISU		enig ne				.5	
	ID	Course	e name			Study pro	ogramme name, study type
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
1	E230A	Wob E	rogrammin	-		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies
· · ·	L239A	vveu P	logianinini	y		(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies
						(E10) Pow Engineerin	er, Electronic and Telecommunication ng, Undergraduate Academic Studies
		E2E41 E-Business Systems Security				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
						(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies
2.	E2E41					(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies
		Distributed Artificial Intelligence and Intelligent Agent				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
					(MR0) M Undergra		easurement and Control Engineering, luate Academic Studies
3.	E2K41				ent Agents	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies
4.	EOS36	Elektro	onsko poslo	vanje i ugovaranje		(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies
			Design			(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies
5.	F501	VVEB L	Jesign			(F10) Eng Studies	ineering Animation, Undergraduate Academic
6.	ISIT10	Introdu	uction to So	ftware Development		(SII) Softw Undergrad	vare and Information Technologies (Indija), luate Professional Studies
7.	ISIT20	Object	-oriented P	rogramming Platforms		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies
8.	ISIT2A	Softwa	are Develop	ment Techniques		(SII) Softw Undergrad	vare and Information Technologies (Inđija), luate Professional Studies
0	SEOOOC	Ohioct	orionted	cogramming 1		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies
9.	350000		onentea pr			(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies
10	SE0014	Come	Iter organia	ation		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies
10. SE0014		Computer organisation				(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies

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UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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			accieulieu siuuv	Diourannies

	ID	Course name	Study programme name, study type			
11	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies,			
	020017		Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
12	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
12.	320024	Software construction and resulting	(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
13.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
14.	E2501	Electronic Payment Systems	(E20) Computing and Control Engineering, Master Academic Studies			
			(SE0) Software Engineering and Information Technologies, Master Academic Studies			
15	ED007	Document and content management	(I20) Engineering Management, Specialised Professional Studies			
15.	EF007	Document and content management	(IB0) Engineering Management - MBA, Specialised Professional Studies			
			(E20) Computing and Control Engineering, Master Academic Studies			
16	E2522	Software Standardization and Quality	(MR0) Measurement and Control Engineering, Master Academic Studies			
10.	LLOLL	Software Standardization and Quality	(SE0) Software Engineering and Information Technologies, Master Academic Studies			
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
17.	SEM009	Identity Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies			
18.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies			
19.	SEM017	Information Security	(SE0) Software Engineering and Information Technologies, Master Academic Studies			
20.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies			
21		Selected Tonics in Electronic Business	(E20) Computing and Control Engineering, Doctoral Academic Studies			
21.	DIAMIO		(OM1) Mathematics in Engineering, Doctoral Academic Studies			
22.	DRNI19	Selected Topics in Information Security	(E20) Computing and Control Engineering, Doctoral Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more than 10)				
1.	Sladić G. 2012, Vo	, Milosavljević B., Surla D., Konjović Z.: Flexible Access Cc I. 30, No 5, pp. 623-652, ISSN 0264-0473, DOI:10.1108/026	ontrol Framework for MARC Records, The Electronic Library, 640471211275684			
2.	Gostojić S Organiza DOI:10.1	S., Sladić G., Milosavljević B., Konjović Z.: Context-sensitiv tional Computing and Electronic Commerce, 2012, Vol. 22, 080/10919392.2012.667717	e Access Control Model for Government Services, Journal of No 2, pp. 184-213, ISSN 1091-9392,			
3.	Sladić G. Science a	, Milosavljević B., Konjović Z., Vidaković M.: Access Contro and Information Systems (ComSIS), 2011, Vol. 8, No 3, pp.	ol Framework for XML Document Collections, Computer 591-609, ISSN 1820-0214, DOI: 10.2298/CSIS100827002S			
4.	Vidaković Distribute 0214, DC	ć M., Milosavljević B., Konjović Z., Sladić G.: Extensible Jav d Library Catalogues, Computer Science and Information S DI: 10.2298/csis0902001V	va EE-Based Agent Framework and Its Application on Systems (ComSIS), 2009, Vol. 6, No 2, pp. 1-28, ISSN 1820-			
5.	Sladić G. Conferen	, Milosavljević B., Konjović Z.: Extensible Access Control M ce on Security and Cryptology - SECRYPT, Barcelona: INS	Nodel for XML Document Collections, 1. International TICC, 28-31 Jul, 2007, pp. 373-380, ISBN 9789898111128			
6.	Sladić G.	: Kontrola pristupa u poslovnim sistemima, Beograd, Zaduž	žbina Andrejević, 2011, ISBN 978-86-525-0000-0			
7.	Sladić G.	: Kontrola pristupa XML dokumentima, Zadužbina Andrejev	<i>v</i> ić, 2008, ISBN 978-86-7244-683-8			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation

					=		
Rep	Representative refferences (minimum 5, not more than 10)						
8.	Vidaković M., Sladić G., Komazec S.: Sistemi za upravljanje elektronskim sadržajima i njihova primena u e-upravi, InfoM, Časopis za informacionu tehnologiju i multimedijalne sisteme, 2006, No 20, pp. 36-41, ISSN 1451-4397						
9.	. Sladić G., Milosavljević B., Konjović Z.: Kontrola pristupa XML dokumentima, Info-M, 2005, Vol. 4, No 15-16, pp. 53-59						
10.	Milosavljević B., Komazec S., Sladić G.: Open source sistemi za upravljanje dokumentima u e-upravi, Info-M, 2006, Vol. 5, No 20, pp. 25-35						
Sur	nmary data fo	r teacher's scientific or art and profe	essional activity:				
Quot	ation total :		54				
Tota	Total of SCI(SSCI) list papers : 4						
Curre	ent projects :		Domestic :	2	International :	0	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Stojaković M. Mila						
Acad	lemic title:				Full Professor				
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Tee	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.12.1975				
Scier					Mathematics				
Acad	lemic carlee	er	Year	Institution			Field		
Acad	lemic title e	lection:	1993	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics		
PhD	thesis		1980	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Magi	ster thesis		1978	Faculty of Mathematics	- Beograd		Mathematical Sciences		
Bach	elor's thesis	S	1975	Faculty of Sciences - No	, Sad		Mathematical Sciences		
LIST	of courses b	eing ne	Id by the tea	acher in the accredited sti	idy programme	es I			
	ID	Course	e name			Study pro	gramme name, study type		
1.	E121	Mathe	matical Ana	alysis 2		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
						(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
2.	E135	Probal	oility, Statis	tics and Stochastic Proces	sses	(E10) Pow	er. Electronic and Telecommunication		
						Engineerin	g, Undergraduate Academic Studies		
3	E221A	Mathe	matical Ana	alveis 2		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
0.		Matric		19010 Z		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
		A Probability and Stochastic Processes				(E20) Computing and Control Engineering, Undergraduate Academic Studies			
4	E224A					(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
т.						(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
5.	ZC006	Probal	oility, Statis	tics and Random Process	es	(ZC0) Cle Academic	ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	0M504	Opera	tional Rese	arch		(OM1) Ma Studies	thematics in Engineering, Master Academic		
7.	0M505	Stocha	astic Proces	sses		(OM1) Ma Studies	thematics in Engineering, Master Academic		
8.	0ML504	Opera	tional Rese	arch		(OM1) Ma Studies	thematics in Engineering, Master Academic		
9.	0ML505	Stocha	astic Proces	sses		(OM1) Ma Studies	thematics in Engineering, Master Academic		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
	D70414	0.1				(112) Indu	strial Engineering, Specialised Academic Studies		
10.	DZ01MS	Select	ed Chapter	s in Mathematics		(I22) Engi Studies	neering Management, Specialised Academic		
						(Z00) Env Studies	ironmental Engineering, Specialised Academic		
				_		(F20) Eng	ineering Animation, Master Academic Studies		
11.	IAM005	Mathe	matical Gar	ne Theory		(OM1) Ma Studies	thematics in Engineering, Master Academic		
12.	SD0M03	Opera	tional Rese	arch		(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
13.	SD0M15	Statist	ics			(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
14.	ZR503	Statist	ical Advanc	ed Models		(Z01) Safe	ety at Work, Master Academic Studies		
15.	D0M03	Opera	tional Rese	arch		(OM1) Ma Studies	thematics in Engineering, Doctoral Academic		

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UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study programme name, study type			
16.	D0M04	Random Processes		(OM1) Mathematics in Engineering, Doctoral Academic Studies			
17.	D0M15	Statistics		(OM1) Mathematics in Engineering, Doctoral Academic Studies			
18.	D0M27	StatisticsApplied in Engineering		(OM1) Mathematics in Engineering, Doctoral Academic Studies			
19.	DAU004	Selected Chapters in Mathematics 2	2	(E20) Computing and Control Engineering, Doctoral Academic Studies			
				(H00) Mechatronics, Doctoral Academic Studies			
20.	DOM59	Fixed point theory		(OM1) Mathematics in Engineering, Doctoral Academic Studies			
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			
				(E20) Computing and Control Engineering, Doctoral Academic Studies			
				(F00) Graphic Engineering and Design, Doctoral Academic Studies			
				(F20) Engineering Animation, Doctoral Academic Studies			
				(G00) Civil Engineering, Doctoral Academic Studies			
				(GI0) Geodesy and Geomatics, Doctoral Academic Studies			
21		Selected Chapters in Mathematics		(H00) Mechatronics, Doctoral Academic Studies			
21.	DZOTIM	Selected Chapters in Mathematics		(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies			
				(M00) Mechanical Engineering, Doctoral Academic Studies			
				(M40) Technical Mechanics, Doctoral Academic Studies			
				(OM1) Mathematics in Engineering, Doctoral Academic Studies			
				(S00) Traffic Engineering, Doctoral Academic Studies			
				(Z00) Environmental Engineering, Doctoral Academic Studies			
				(Z01) Safety at Work, Doctoral Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.	Mila Stoja	aković, Decomposition and representa	ation of fuzzy valued m	easure, Fuzzy Sets and Systems, 112(2000) 251-256			
2.	Mila Stoja	aković, Fuzzy conditional expectation,	Fuzzy Sets and Syste	ems, 52(1992) 49-54			
3.	Mila Stoja	aković, Fuzzy random variable, expec	tation, martingales, J.N	Math.Anal.Appl., 184(1994) 594-606.			
4.	Mila Stoia	aković, Fuzzy martingales. Stochastic	Analysis and Applicat	ions, 14(1996), 355-368.			
5.	Mila Stoia	aković, Zoran Stojaković. Support fund	ction for fuzzy set. Pro	ceedings of Royal Society, London A. 452(1996), 421-438			
6.	Mila Stoir	aković. Zoran Stojaković. Addition and	series of fuzzy sets	Fuzzy Sets and Systems. 83(1996) 341-346.			
7	Mila Stoi	aković. Representation of fuzzy value	d mappings Fuzzy Se	ts and Systems 98(1998) 375-381			
י . ع	Mila Stoi	aković Fuzzy valued measure Fuzzy	Sets and Systems 65	(1994) 95-104			
9.	Mila Stoja	aković, Common fixed point theorems	in complete metric an	d probabilistic spaces, Bull. Australian Math. Soc., 36(1987)73-			
10.	Mila Stoia	aković, Zoran Ovcin.Fixed point theore	ems and variational pri	nciple, Fuzzy Sets and Systems. 66(1994)353-356.			
Sur	nmarv data	for teacher's scientific or art and profe	essional activity:	······································			
Quot	ation total :		71				
Tota	of SCI(SS	CI) list papers :	16				
Curre	ent projects	:	Domestic :	1 International : 1			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Suvajdžin Rakić B. Zorica						
Acad	lemic title:				Assistant Professor				
Nam	e of the inst	titution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starting date:			01.12.1998						
Scier	ntific or art f		Maar	1	Applied Comp	outer Scienc			
Acad	lemic caries	er	Year	Institution	N : 0				
Acad	lemic title el	lection:	2008	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics		
PhD	thesis		2008	Faculty of Technical Scie	ences - Novi Sa	ad	Computer Science		
Magi	ster thesis		2000	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics		
Bach		S sin a hal	1998	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and informatics		
LISU		eing nei	id by the tea		idy programme				
	ID	Course	e name			Study pro	gramme name, study type		
1.	E225	Operat	ting System	S		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
						(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
2.	E234	Compilers				(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
0					(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies			
3.	EE301	Operat	ling System	s and Competitive Progra	imming	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
				(F10) Eng Studies	ineering Animation, Undergraduate Academic				
4.	H207	Progra	mming and	Programming Languages	uages (1		chatronics, Undergraduate Academic Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies			
5.	ISIT12	Osnov	e informaci	onih sistema		(SII) Softw Undergrad	II) Software and Information Technologies (Inđija), dergraduate Professional Studies		
6.	ISIT22	Osnov	e baza pod	ataka		(SII) Softw Undergrad	SII) Software and Information Technologies (Inđija), Indergraduate Professional Studies		
7.	SE0034	Compi	lers			(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies		
8.	E2505	Multim	Multimedia Systems			(ES0) Power Software Engineering, Master Academic Studies			
			-			(F20) Engineering Animation, Master Academic Stu			
						(SE0) Software Engineering and Information Technologies, Master Academic Studies			
9.	F402	Electro	onic Publish	ing		(F00) Gra Studies	phic Engineering and Design, Master Academic		
10.	DRNI08	Select	ed Topics ir	n Information Systems		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies		
Rep	oresentative	e reffere	nces (minim	num 5, not more than 10)					
1.	Rakić P., program 285, ISSI	Milašino for geon N 0965-9	ović D., Živa netric nonlir 9978	anov Ž., Suvajdžin Rakić ž iear analysis: A hybrid ap	Z., Nikolić M., F proach, Advano	lajduković N ces in Engin	A.: MPI–CUDA parallelization of a finite-strip seering Software, 2011, Vol. 42, No 5, pp. 273-		
2.	Zorica Su Informatio	uvajdžin, on Syste	, Miroslav H ems, Volum	ajduković, A Structure Ed e 3, Number 1, Beograd, j	itor for the Prog jun 2006., pp 6	gram Comp 5-76	osing Assistant, Computer Science and		
3.	Miroslav of mathe	Hajduko matics, v	ović, Zorica vol. 33, no.	Suvajdžin, Žarko Živanov 1, Novi Sad, 2003., pp 53	, Character orie -65	ented progra	am editing - habit or necessity, Novi Sad Journal		

STAS STUDIO		UNIVERSITY OF NOVI SAD						
		FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
20000		Study F	Study Programme Accreditation					
opl	ANTER	UNDERGRADUATE ACADEMIC	STUDIES Software	Engineering and I	nformation Technologies	HO		
Representative refferences (minimum 5, not more than 10)								
4.	4. Hajduković M., Suvajdžin Z., Živanov Ž. Naziv: A problem of program execution time measurement Naziv časopisa: Novi Sad Journal of mathematics, Novi Sad Journal of Mathematics, 2003, Vol. 33, No 1, pp. 67-73, ISSN 1450-5444, UDK: 51					a: Novi Sad (: 51		
5.	Rakić P., Stričević L., Suvajdžin Rakić Z.: Statically Typed Matrix: in C library, 5. Balkan Conference in Informatics, Novi Sad: ACM, 16-20 Septembar, 2012, pp. 217-222							
6.	Milašinović D., Živanov Ž., Rakić P., Suvajdžin Rakić Z., Nikolić M., Hajduković M., Borković A., Milaković I.: A Finite-Strip Analysis of Nonlinear Shear-Lag Effect Supported by Automatic Visualization							
7.	Suvajdžin F	Rakić Z., Rakić P.: Computers and	Education, 1. VIPSI, N	lepoznato, 3-4 Ap	ril, 2009, ISBN 86-7466-11	7-3		
8.	Zorica Suva Conference	ajdžin, Miroslav Hajduković, Progran 2006, Brooklyn NY, April 2006, ab	m Composing Assista stract+5 pages (CD-R	nt For Novice Pro OM)	ogrammers, The ASEE Mid-	Atlantic Spring		
9.	Zorica Suva Conference	ajdžin, Miroslav Hajduković, Toward on Programming Languages and (ls Program Composin Compilers, PLC"05, La	g Assistants, Prod as Vegas, Nevada	ceedings of the 2005 Internation USA, jun 2005, pp 142-14	ational 17		
10.	Rakić P., Živanov Ž., Suvajdžin Rakić Z., Stričević L., Hajduković M.: Characteristics of Operating System for Wireless Sensor Network Applications, 9. International Symposium Interdisciplinary Regional Research - ISIRR, Novi Sad, , pp. 50-50							
Sum	nmary data fo	r teacher's scientific or art and profe	essional activity:					
Quota	ation total :		0					
Total	of SCI(SSCI)	list papers :	0					
Current projects : 0 International : 0				0				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	e and last n	ame:			Šafranj F. Jel	saveta	
Academic title:			Assistant Professor				
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad				
starting date:					15.10.2000		
Scier	ntific or art f	ield:		r	English		
Acad	lemic caries	er	Year	Institution			Field
Acad	lemic title e	lection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	English
PhD	thesis		2008	Faculty of Philology - Be	eograd		English
Magi	ster thesis		2000	Faculty of Philology - Be	eograd		English
Educ Thes	ation Speci	alist	1994	Faculty of Philology - Be	eograd		English
Bach	elor's thesis	S	1982	Faculty of Philosophy - I	Novi Sad		English
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S	
	ID	Course	e name			Study pro	gramme name, study type
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arcl	nitecture, Undergraduate Academic Studies
2.	AEJ2L	Englis	h Language	e intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arch	nitecture, Undergraduate Academic Studies
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies
5.	EJ01L	English Language - upper intermediate				(G00) Civi (M20) Mea Undergrad (M30) Ene Academic (M40) Tec Undergrad (P00) Proo Studies (S00) Traf Academic (S01) Pos Undergrad	I Engineering, Undergraduate Academic Studies chanization and Construction Engineering, uate Academic Studies ergy and Process Engineering, Undergraduate Studies chnical Mechanics and Technical Design, uate Academic Studies duction Engineering, Undergraduate Academic fic and Transport Engineering, Undergraduate Studies tal Traffic and Telecommunications, uate Academic Studies
6.	EJ01Z	Englis	h Language	e - Elementary		(E10) Pow Engineerin (F00) Gra Academic (MR0) Me Undergrad (Z01) Safe (ZC0) Cle Academic (ZP0) Disa Undergrad (Z20) Envii Studies	ver, Electronic and Telecommunication g, Undergraduate Academic Studies phic Engineering and Design, Undergraduate Studies asurement and Control Engineering, uate Academic Studies ety at Work, Undergraduate Academic Studies an Energy Technologies, Undergraduate Studies aster Risk Management and Fire Safety, uate Academic Studies ronmental Engineering, Undergraduate Academic



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

ID Course name Study programme name, study type I E 100 Course name (E10) Power. Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design. Undergraduate Academic Studies 7. EJ02L English Language – Pre-Intermediate (ME0) Mechanization and Control Engineering, Undergraduate Academic Studies (Z01) Sately at Work, Undergraduate Academic Studies (Z01) Sately at Work, Undergraduate Academic Studies (Z01) Sately at Work, Undergraduate Academic Studies (Z01) Environmental Engineering, Undergraduate Academic Studies 8 EJ02Z English Language – Pre-Intermediate (110) Incustrial Engineering, Undergraduate Academic Studies 8 EJ02Z English Language – Pre-Intermediate (110) Incustrial Engineering, Undergraduate Academic Studies 9 EJ02Z English Language – Pre-Intermediate (110) Incustrial Engineering, Undergraduate Academic Studies 10 EJ03Z English Language – Intermediate (120) Engineering and Design, Undergraduate Academic Studies 10 EJ044 English Language – Upper Intermediate (120) Caphic Engineering and Design, Undergraduate Academic Studies 11 EJ044 English Language – Upper Intermediate (E00) Craphic Engineering and Design, Undergraduate Academic Studies 11 E	List c	List of courses being held by the teacher in the accredited study programmes						
7. EJ02L English Language – Pre-Intermediate E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (T60) Graphic Engineering and Design, Undergraduate Academic Studies 7. EJ02L English Language – Pre-Intermediate (MR0) Measurement and Construction Engineering, Undergraduate Academic Studies 8. EJ02Z English Language – Pre-Intermediate (Z01) Safety al Work, Undergraduate Academic Studies (Z01) Safety al Work, Undergraduate Academic Studies (Z00) Clean Energy Technologies, Undergraduate Academic Studies (Z00) Clean Energy Technologies, Undergraduate Academic Studies (Z00) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z00) Safety al Work, Undergraduate Academic Studies (Z00) Engineering, Undergraduate Academic Studies (S00) Probin Traffic and Transport Engineering, Undergraduate Academic Studies (S00) Praffic and Transport Engineering, Undergraduate Academic Studies (S00) Praffic and Transport Engineering, Undergraduate Academic Studies (S00) Prover, Electronic and Telecommunications, Undergraduate Academic Studies (E10) Prover, Electronic and Telecommunications Engineering, Undergraduate Academic Studies (E10) Prover, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z01) Safety al Work, Undergraduate Academic Studies (E10) Prover, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (E10) Prover, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Craphic Engineering and Design, Undergraduate Academic Studies (E10) Prover, Electronic and Telecommunication Engineering, Undergraduate Academic St		ID	Course name	Study programme name, study type				
7. EJ02L English Language – Pre-Intermediate (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (Undergraduate Academic Studies (Z01) Stefty at Work, Undergraduate Academic Studies (Z01) Stefty at Work, Undergraduate Academic Studies (Z01) Stefty at Work, Undergraduate Academic Studies (Z02) Clean Energy Technologies, Undergraduate Academic Studies (Z02) Clean Energy Technologies, Undergraduate Academic Studies (Z02) Environmental Engineering, Undergraduate Academic Studies (Z02) Environmental Engineering, Undergraduate Academic Studies (Z02) Environmental Engineering, Undergraduate Academic Studies (S02) Environmental Engineering, Undergraduate Academic Studies (S02) Environmental Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S00) Traffic and Telecommunications, Undergraduate Academic Studies (S00) Traffic and Telecommunications, Undergraduate Academic Studies (S00) Traffic and Telecommunications, Undergraduate Academic Studies (201) Stafty at Work, Under				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
7. EJ02L English Language – Pre-Intermediate (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (201) Safety at Work, Undergraduate Academic Studies (201) Safety at Work, Undergraduate Academic Studies (201) Safety at Work, Undergraduate Academic Studies (200) Clean Energy Technologies, Undergraduate Academic Studies (200) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (200) Environmental Engineering, Undergraduate Academic Studies (200) Environmental Engineering, Undergraduate Academic Studies (200) Environmental Engineering, Undergraduate Academic Studies (200) Engineering Management, Undergraduate Academic Studies (300) Engineering Management, Undergraduate Academic Studies (300) Engineering and Design, Undergraduate Academic Studies (201) Postal Traffic and Telecommunications, Undergraduate Academic Studies (201) Postal Traffic and Telecommunications, Undergraduate Academic Studies (201) Postal Traffic and Telecommunications, Undergraduate Academic Studies (201) Safety at Work, Undergraduate Academic Studies (201) Engineering and Design, Undergraduate Academic Studies (201) Engineering and Design, Undergraduate Academic Studies (201) Engineering, Undergraduate Academic Studies (201) Engineering, Undergraduate Academic Studies (201) Engineering undergraduate Academic Studies (201) Engineering undergraduate Academic Studies (201) Environmental Engineering, Undergraduate Academic				(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
7. EJ02L English Language – Pre-Intermediate (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z00) Clean Energy Technologies, Undergraduate Academic Studies (Z00) Elsa Energy Technologies, Undergraduate Academic Studies (Z00) Environmental Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S00) Traffic and Telecommunications, Undergraduate Academic Studies (S00) Traffic and Telecommunications, Undergraduate Academic Studies (S00) Traffic and Telecommunications, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (C01) Safety at Work, Undergraduate Academic Studies (C01) Safety at Work, Undergraduate Academic Studies (201) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (E10) Software Engineering, Undergraduate Academic Studies				(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies				
1 (201) Safety at Work, Undergraduate Academic Studies (200) Clean Energy Technologies, Undergraduate Academic Studies (200) Clean Energy Technologies, Undergraduate Academic Studies (201) Safety at Work, Undergraduate Academic Studies (202) Environmental Engineering, Undergraduate Academic Studies (201) Safety at Work, Undergraduate Academic Studies (110) Industrial Engineering, Undergraduate Academic Studies 8. EJ02Z English Language – Pre-Intermediate (100) Engineering Management, Undergraduate Academic Studies 8. EJ02Z English Language – Pre-Intermediate (100) Engineering Management, Undergraduate Academic Studies 9. EJ03Z English Language – Intermediate (100) Graphic Engineering and Design, Undergraduate Academic Studies 9. EJ03Z English Language – Intermediate (201) Safety at Work, Undergraduate Academic Studies 10. EJ03Z English Language – Intermediate (201) Safety at Work, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 11. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 11. EJ04L English Language – Upper Intermediate (F00) Graphic	7.	EJ02L	English Language – Pre-Intermediate	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies				
1 EJ042 English Language – Pre-Intermediate (ZC0) Clean Energy Technologies, Undergraduate Academic Studies 8. EJ022 English Language – Pre-Intermediate (110) Industrial Engineering, Undergraduate Academic Studies 8. EJ022 English Language – Pre-Intermediate (100) Engineering Management, Undergraduate Academic Studies 9. EJ022 English Language – Pre-Intermediate (100) Fostal Traffic and Tensport Engineering, Undergraduate Academic Studies 9. EJ032 English Language – Intermediate (100) Graphic Engineering and Design, Undergraduate Academic Studies 9. EJ032 English Language – Intermediate (201) Safety at Work, Undergraduate Academic Studies 10. EJ032 English Language – Intermediate (201) Safety at Work, Undergraduate Academic Studies 10. EJ044 English Language – Upper Intermediate (201) Safety at Work, Undergraduate Academic Studies 11. EJ044 English Language – Upper Intermediate (201) Safety at Work, Undergraduate Academic Studies 11. EJ044 English Language – Upper Intermediate (201) Safety at Work, Undergraduate Academic Studies 11. EJ044 English Language – Upper Intermediate (201) Safety at Work, Undergraduate Academic Studies				(Z01) Safety at Work, Undergraduate Academic Studies				
1 (2P0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (220) Environmental Engineering, Undergraduate Academic Studies (10) Industrial Engineering, Undergraduate Academic Studies (120) Engineering Management, Undergraduate Academic Studies (120) Engineering Management, Undergraduate Academic Studies (500) Traffic and Transport Engineering, Undergraduate Academic Studies (500) Traffic and Transport Engineering, Undergraduate Academic Studies (500) Traffic and Transport Engineering, Undergraduate Academic Studies (500) Traffic Engineering and Design, Undergraduate Academic Studies (501) Postal Traffic and Telecommunications, Undergraduate Academic Studies (500) Traffic Engineering and Design, Undergraduate Academic Studies (201) Postal Traffic and Telecommunications (Undergraduate Academic Studies (201) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (201) Power, Electronic and Telecommunication Studies (201) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (201) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (201) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (201) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (201) Power,				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies				
1 (220) Environmental Engineering, Undergraduate Academic Studies 8. EJ02Z English Language – Pre-Intermediate (110) Industrial Engineering, Undergraduate Academic Studies 8. EJ02Z English Language – Pre-Intermediate (120) Engineering Management, Undergraduate Academic Studies 9. EJ03Z English Language – Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 9. EJ03Z English Language – Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 10. EJ03Z English Language – Intermediate (F00) Graphic Engineering, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 11. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 11. EJ04L English Language – Elementary (F00) Graphic Engineering, Undergraduate Academic Studies 11. EJ12Z English Language – Elementary (G10) Seconse Engineering, Undergraduate Academic Studies 11. EJ12Z				(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies				
8. EJ02Z English Language – Pre-Intermediate (110) Industrial Engineering, Undergraduate Academic Studies 8. EJ02Z English Language – Pre-Intermediate (20) Engineering Management, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (F00) Work, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 10. EJ04L English Language - Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 10. EJ04L English Language - Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 11. EJ04L English Language - Upper Intermediate (F00) Graphic Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (G10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (E20) Computing and Control Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary				(Z20) Environmental Engineering, Undergraduate Academic Studies				
8. EJ02Z English Language – Pre-Intermediate (120) Englineering Management, Undergraduate Academic Studies 8. EJ02Z English Language – Pre-Intermediate (S00) Traffic and Transport Engineering, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (T00) Safety at Work, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (Z01) Safety at Work, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering, Undergraduate Academic Studies 11. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering, Undergraduate Academic Studies 11. EJ04L English Language – Upper Intermediate (E10) Power, Electronic and Telecommunication 11. EJ04L English Language – Upper Intermediate (E20) Computing and Control Engineering, Undergraduate Academic Studies 11. EJ04L English Language – Upper Intermediate (E20) Computing and Control Engineering, Undergraduate Academic Stu				(I10) Industrial Engineering, Undergraduate Academic Studies				
0. LS022 English Language = Treintermediate (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (Z01) Safety at Work, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (Z01) Safety at Work, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 11. EJ04L English Language – Upper Intermediate (Z01) Safety at Work, Undergraduate Academic Studies 11. EJ1Z English Language – Upper Intermediate (E20) Computing and Control Engineering, Undergraduate Academic Studies 11. EJ1Z English Language – Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language – Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies <td>8</td> <td>E 1027</td> <td rowspan="2">English Language – Pre-Intermediate</td> <td>(I20) Engineering Management, Undergraduate Academic Studies</td>	8	E 1027	English Language – Pre-Intermediate	(I20) Engineering Management, Undergraduate Academic Studies				
1 (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z01) Graphic Engineering, Undergraduate Academic Studies 10. E.J04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 10. E.J04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 11. E.J04L English Language – Upper Intermediate (E10) Power Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies 11. E.J12 English Language - Elementary (E20) Computing and Control Engineering, Undergraduate Academic Studies 11. E.J12 English Language - Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies 11. E.J12 English Language - Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies 11. E.J12 English Language - Elementary (G10) Geodesy and Ge	0.	LJUZZ		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies				
9. EJ03Z English Language - Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z00) Graphic Engineering, Undergraduate Academic Studies 10. EJ04L English Language - Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 10. EJ04L English Language - Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 11. EJ04L English Language - Upper Intermediate (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 11. EJ04L English Language - Upper Intermediate (E20) Computing and Control Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (E30) Power, Software Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (G10) Geodesy and Geomat				(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
9. EJ03Z English Language - Intermediate (MR0) Measurement and Control Engineering, Undergraduate Academic Studies 9. EJ03Z English Language - Intermediate (Z01) Safety at Work, Undergraduate Academic Studies (Z01) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z00) Environmental Engineering, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (Z01) Safety at Work, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (Z00) Environmental Engineering, Undergraduate Academic Studies 11. EJ04L English Language – Upper Intermediate (E20) Environmental Engineering, Undergraduate Academic Studies 11. EJ1Z English Language – Upper Intermediate (E20) Environmental Engineering, Undergraduate Academic Studies 11. EJ1Z English Language – Elementary (G0) Geodesy and Control Engineering, Undergraduate Academic Studies 11. EJ1Z English Language – Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language – Elementary (G10) Geodesy and Geomatics, Undergraduate Acade			English Language - Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
9. EJ03Z English Language - Intermediate (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Englisent Communication Englisent Communication (Z01) Safety at Work, Undergraduate Academic Studies (Z00) Environmental Engineering, Undergraduate Academic Studies (III) EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies (III) EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies (III) EJ04L English Language – Upper Intermediate (E10) Power, Electronic and Telecommunication (III) EJ04L English Language – Upper Intermediate (E10) Power, Electronic and Telecommunication (III) EJ04L English Language – Upper Intermediate (E10) Power, Electronic and Telecommunication (III) EJ1Z English Language – Upper Intermediate (E20) Computing and Control Engineering, Undergraduate Academic Studies (III) EJ1Z English Language – Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies (III) EJ1Z English Language - Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies (III) Elementary				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies				
10. EJ04L English Language – Upper Intermediate (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z00) Environmental Engineering and Design, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z01) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z01) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z00) Environmental Engineering, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z00) Environmental Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (E10) Computing and Control Engineering, Undergraduate Academic Studies (E50) Power Software Engineering, Undergraduate Academic Studies (E10) Engineering Animation, Undergraduate Academic Studies (E10) Engineering Animation, Undergraduate Academic Studies (S10) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies	9.	EJ03Z		(Z01) Safety at Work, Undergraduate Academic Studies				
10. EJ04L English Language – Upper Intermediate (700) Graphic Engineering and Design, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (701) Safety at Work, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (201) Safety at Work, Undergraduate Academic Studies 10. English Language – Upper Intermediate (201) Safety at Work, Undergraduate Academic Studies 11. English Language – Upper Intermediate (E20) Computing and Control Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (E20) Computing And Control Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z Eng				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
10. EJ04L English Language – Upper Intermediate (F00) Graphic Engineering and Design, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 10. EJ04L English Language – Upper Intermediate (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (E20) Computing and Control Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (E30) Power Software Engineering and Information Technologies, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Software Engineering and Information Technologies, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z <t< td=""><td></td><td></td><td></td><td>(Z20) Environmental Engineering, Undergraduate Academic Studies</td></t<>				(Z20) Environmental Engineering, Undergraduate Academic Studies				
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10. EJ04L English Language – Upper Intermediate (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies (E20) Computing and Control Engineering, Undergraduate Academic Studies (E30) Power Software Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies (AH0) Architecture, Master Academic Studies				(Z01) Safety at Work, Undergraduate Academic Studies				
(Z20) Environmental Engineering, Undergraduate Academic Studies (E20) Computing and Control Engineering, Undergraduate Academic Studies (E50) Power Software Engineering, Undergraduate Academic Studies (E50) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SE1) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies	10.	EJ04L	English Language – Upper Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
11. EJ1Z English Language - Elementary (E20) Computing and Control Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (Gl0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SE1) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies (AH0) Architecture, Master Academic Studies				(Z20) Environmental Engineering, Undergraduate Academic Studies				
11. EJ1Z English Language - Elementary (ES0) Power Software Engineering, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies (AH0) Architecture, Master Academic Studies				(E20) Computing and Control Engineering, Undergraduate Academic Studies				
11. EJ1Z English Language - Elementary (F10) Engineering Animation, Undergraduate Academic Studies 11. EJ1Z English Language - Elementary (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies (AH0) Architecture, Master Academic Studies				(ES0) Power Software Engineering, Undergraduate Academic Studies				
11. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SE1) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies				(F10) Engineering Animation, Undergraduate Academic Studies				
 (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies 	11.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies				
(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
(AH0) Architecture, Master Academic Studies				(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				
				(AH0) Architecture, Master Academic Studies				



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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

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		In the arrentement chine	

	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Undergraduate
			(F10) Engineering Animation, Undergraduate Academic Studies
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
13.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
		English Language – Advanced	(F10) Engineering Animation, Undergraduate Academic Studies
14.	EJ3L		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
22		English Language ESD Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies
۷۵.	EJIVI	Lingiisii Lainguage - ESF CUUISe	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies



List

UNIVERSITY OF NOVI SAD

FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

of courses bei	ing held by the tead	her in the accredited	study programmes
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	ID	Course name	Study programme name, study type			
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies			
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
29.	ISIT01	English Language 1	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies			
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies			
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies			
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies			
24		English for Chasifia Durnassa	(I10) Industrial Engineering, Undergraduate Academic Studies			
34.	EJIIN	English for Specific Purposes	(I20) Engineering Management, Undergraduate Academic Studies			
35.	ETI15	Engleski jezik - srednji	(E02) Electronics and Telecommunications, Undergraduate Professional Studies			
36.	ETI20	Engleski jezik - napredni	(E02) Electronics and Telecommunications, Undergraduate Professional Studies			
		Z English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies			
			(ES0) Power Software Engineering, Undergraduate Academic Studies			
			(F10) Engineering Animation, Undergraduate Academic Studies			
37.	EJ1Z		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
			(AH0) Architecture, Master Academic Studies			
			(E20) Computing and Control Engineering, Undergraduate Academic Studies			
			(ES0) Power Software Engineering, Undergraduate Academic Studies			
			(F10) Engineering Animation, Undergraduate Academic Studies			
38.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
			(AH0) Architecture, Master Academic Studies			
39.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies			
40.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
41.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies			
42.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies			
Rep	Representative refferences (minimum 5, not more than 10)					



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Study Programme Accreditation



Rej	Representative refferences (minimum 5, not more than 10)						
1.	Analiza diskursa udžbenika engleskog jezika, M	lonografija, Zadužbina	a Andrejević, Bec	grad 2006.			
2.	Retorička organizacija poslovne vesti, Monogra	ifija, Zadužbina Andre	jević, Beograd 20	009.			
3.	Engleski jezik za GRID 3 - Academic Writing for	r Graphic Engineering	and Design, FTN	N Izdavaštvo, Novi Sad 2012	·		
4.	Using Internet in English Language Teaching, N	NEW EDUCATIONAL	REVIEW, (2011)	, vol. 26 br. 4, str. 45-59.			
5.	Reflections of English Language Teachers Concerning Computer Assisted Language Learning (Call), NEW EDUCATIONAL REVIEW, (2011), vol. 23 br. 1, str. 269-282.						
6.	Pragmatički aspekt udžbenika engleskog jezika Pedagogija, 2009, 1, str.133-145.	l,					
7.	Students' Communicative Competence, Zbornik Instituta za pedagoška istraživanja.	, 2009, 1, str. 180-195	5.				
8.	Retorička analiza lida poslovne vesti, Zbor	rnik Matice Srpske za	filologiju i lingvist	iku, 2011, 1, str.191-210.			
9.	Some Aspects of Technical Statements in Power elektronika Ee 2001, str.150-153.	er Engineering, Zborn	ik radova, XI Med	đunarodni simpozijum Energ	etska		
10.	0. Genre Analysis of Research Abstract of an Engineering Scientific Paper, In Proceedings of English Language and Literature Studies: Interfaces and Integrations, 10-12 December 2004, Faculty of Philology, Belgrade, pp.365-374.						
Su	Summary data for teacher's scientific or art and professional activity:						
Quot	Quotation total : 0						
Total of SCI(SSCI) list papers : 20							
Curr	ent projects :	Domestic :	0	International :	1		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	e and last n	ame:	Name and last name:			Tabaković N. Slobodan		
Academic title:			Assistant Professor					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:			10.10.2000					
Scie	ntific or art f	ield:			Machine Tool	s, Flexible 1	Technological Systems and Automatization	
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title el	ection:	2008	Faculty of Technical Scie	ences - Novi Sa	ad	Machine Tools, Flexible Technological Systems and Automatization Processes Design	
PhD	thesis		2008	Faculty of Technical Scie	ences - Novi Sa	ad	Machine Tools, Flexible Technological Systems and Automatization Processes Design	
Magi	ister thesis		2002	Faculty of Technical Scie	ences - Novi Sa	ad	Machine Tools, Flexible Technological Systems and Automatization Processes Design	
Bach	nelor's thesis	8	1998	Faculty of Technical Scie	ences - Novi Sa	ad	Machine Tools, Flexible Technological Systems and Automatization Processes Design	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
		~				<u>.</u>		
	ID	Course	e name			Study pro	gramme name, study type	
1.	P1402	CAD/C	CAE/CAM i	CIM Systems		(P00) Prod Studies	duction Engineering, Undergraduate Academic	
2.	P1407	Machir	ne Tools De	esigning		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
3.	P1410	Virtual	Product De	esigning		(SE0) Soff Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Soff Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
4.	P301	Automation in Production Engineering				(P00)Proo Studies	duction Engineering, Undergraduate Academic	
5.	P307	Autom	ated Flexib	le Technologial Systems		(P00) Prod Studies	duction Engineering, Undergraduate Academic	
6.	ZR408A	Safety	at work on	the machines for process	ing	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
7.	P1405	Conter	mporary Ap	proach to Product Designi	ing	(PM0) Pro	duction Engineering, Master Academic Studies	
8.	PR408	Funda Machir	mentals on nes	Protection for Operation of	on Processing	(PM0)Pro	duction Engineering, Master Academic Studies	
9.	IM2118	Funda	mentals of	CAD / CAM technology		(I20) Engin	neering Management, Master Academic Studies	
10.	P307A	Flexibl	e technolog	jical systems		(E20) Con Academic	nputing and Control Engineering, Master Studies	
11.	PAUP1	Autom	atization in	plastic		(PM0)Pro	duction Engineering, Master Academic Studies	
12.	PP102	Precis	ion of mach	ine tools		(PM0)Pro	duction Engineering, Master Academic Studies	
13.	PP110	The dy	namics of r	nicro machining systems		(PM0)Pro	duction Engineering, Master Academic Studies	
14.	PP2I12	Desigr	n of prosthe	tic devices		(BM0) Bio	medical Engineering, Master Academic Studies	
15	SMO	Metho	de and soft	vare tools for computer ai	ded design	(PM0) Pro	duction Engineering, Master Academic Studies	
10.	7PM11A		ational nois	e and human vibration in	industry	(701) Sofe	atv at Work Master Academic Studios	
De		roffere			indusu y	(201) Sale		
Re				num 5, not more than 10)			na of modulos Maskins, Taska (10)	
1.	kinematic	c, S., Ga s based	ataio, R., Ze I on CAD w	orkpiece model, Machine	Engineering, V	ol. 2, No 1-2	gn of modular Machine Tools with parallel 2, 2002, pp. 171 - 182	
2.	Tabakovi total hip e 1583-790	ć S., Živ endopro 14	vković A., G sthesis, Aca	rujić J., Zeljković M.: Usir ademic Journal of Manufa	ng CAD/CAE so cturing Engined	oftware syste ering – AJM	ems in the design process of modular, revision E, 2011, Vol. 9, No 2/2011, pp. 97-102, ISSN	
3.	Živković / Manufact	A., Zeljk uring Er	ović M., Tal ngineering -	baković S.: Matematical M - AJME, 2010, Vol. 8, No 3	Model for the R 3/2010, pp. 108	oller Bearing 3-115, ISSN	g Life Determination, Academic Journal of 1583-7904	
4.	Blanuša Plasticity	V., Zeljk , 2011, \	ović M., Vilo /ol. 36, No	otić D., Tabaković S.: The 2, pp. 121-235, ISSN 035	e specificity of p 4-3870	ounch press	es programming, Journal for Technology of	
5.	Tabakovi industrijsl RS20121	ć S., Ze kih man 243	ljković M., N ipulatora, B	/lađenović C., Gatalo R.: eograd, Zavod za intelekt	Uređaj za mar ualnu svojinu, (nipulaciju rao Glasnik intel	dnim predmetima ili alatima kod mašina alatki i lektualne svojine, 2012, UDK: Broj patenta	

HSITAS STUD								
Ĩ.	A HE	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVICA 6					
D. NEC		Study F	Study Programme Accreditation					
4	LANTER	UNDERGRADUATE ACADEMIC	STUDIES Software	Engineering and I	nformation Technologies	Ho		
Representative refferences (minimum 5, not more than 10)								
6.	6. TABAKOVIĆ, S., ZELJKOVIĆ, M., GATALO, R.: A contribution to workspace analysis of machine tools based on parallel mechanism, Journal of Machine Engineering, 2007, Vol. 7, No. 1, str. 80- 90, ISSN 1895-7595.					parallel		
7.	Tabaković S., Zeljković M., Živković A., Movrin D., Grujić J.: Development of the endoprosthesis of the femur according to the characteristics of a specific patient with using modern methods for product design and rapid prototyping, Journal for Technology of Plasticity, 2012, Vol. 37, No 2, pp. 195-208, ISSN 0354-3870							
8.	Tabaković, S., Gatalo, R., Konjović, Z.: Object-Oriented Approach to Design Process Automation, The 2nd Regional Symposium "Young People and the Multidisciplinary Research", Timisoara, Romania, 1999., pp. 462 – 468, ISBN 973-585-041-9							
9.	Tabaković, S., Gatalo, R., Zeljković, M.: Analiza tačnosti aproksimacije profila pri generisanju upravljačkih programa za CNC 9. mašine primenom programskog sistema PRO/Engineer, Zbornik radova, VIII Međunarodna konferencija MMA 2003 - Fleksibilne tehnologije. Novi Sad. 2003. str. 117, 118.							
10.	 Tabaković, S.; Gatalo, R.; Zeljković, M.: Designing machine tools based on parallel kinematics using contemporary engineering and mathematical methods the 15th international DAAAM symposium, "Intelligent Manufacturing & Automation: Globalization – Technology – Men - Nature" 3 – 6th November 2004, Vienna, Austria, pp. 453-454, ISSN 1726-9679, ISBN 3-901509-42-9 							
Sur	nmary data fo	r teacher's scientific or art and prof	essional activity:					
Quot	Quotation total : 0							
Total of SCI(SSCI) list papers : 0								
Current projects : Domestic : 1 International : 0				0				



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:			Teofanov Đ. Ljiljana					
Academic title:			Assistant Professor					
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:			18.12.1995					
Scier	ntific or art f	ield:			Mathematics			
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2009	Faculty of Technical Scie	ences - Novi S	ad	Mathematics	
PhD	thesis		2008	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Magi	ster thesis		2000	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesis	S	1994	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List c	of courses b	eing hel	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	A101	Mather	matics			(A00) Arch	nitecture, Undergraduate Academic Studies	
2	FE204	Select	ed Chanter	s in Mathematics		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
<u> </u>	2204	Celeon				(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
3.	GG00	Mather	matical Met	hods 1		(G00) Civi	l Engineering, Undergraduate Academic Studies	
4.	GI101	Algebr	а			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
5.	IAM001	Mathe	matical Sha	pe Modeling for Compute	r Animation	(F10) Eng Studies	ineering Animation, Undergraduate Academic	
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies	
6	M102	Mathe	matics 1			(M30) Energy and Process Engineering, Undergraduate Academic Studies		
0.	101102	Matrici				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies	
7	M106	Matho	matics 2			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
7.	WITOO	Maulei	matics 2			(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
8.	E101A	Discret	te Mathema	atics		(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
9.	IM1523	Discret	te Mathema	itics		(I20) Engir Studies	neering Management, Undergraduate Academic	
10.	P216	Numer	ical Analysi	S		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
	0					(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
11.	SE0009	Discrete Mathematics			(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
						(I12) Indu	strial Engineering, Specialised Academic Studies	
12.	DZ01MS	Selecte	ed Chapters	s in Mathematics		(I22) Engi Studies	neering Management, Specialised Academic	
						(Z00) Env Studies	ironmental Engineering, Specialised Academic	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List o	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study programme name, study type			
13.	IA022	Numerical Optimization		(F20) Engineering Animation, Master Academic Studies			
14.	D0M48	Numerical Methods for Solving Differ	rential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies			
15.	DZ01M	Selected Chapters in Mathematics		 (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (G10) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (120) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies 			
			(0)	(201) Safety at Work, Doctoral Academic Studies			
Кер		remerences (minimum 5, not more that	an 10) an Reachtinn Online O	- We set in Mathe d for a One set in Diffusion Decklare			
1.	Applied N	Teofanov, LJ., Uzelac, A Robust Lay Aathematics and Computation,(2009),	208(1): 76-89	ollocation Method for a Convection-Diffusion Problem,			
2.	Teofanov Comput.	r, Lj., Roos, HG, An elliptic singularly Appl. Math. Vol. 212, 2008, 374-389	v perturbed problem w	ith two parameters II: robust finite element solution, J.			
3.	Teofanov Appl. Ma	r, Lj., Roos, HG, An elliptic singularly th. Vol. 206, 2007, 1082-1097	v perturbed problem w	ith two parameters I: solution decomposition, J. Comput.			
4.	Surla, K., problem,	Uzelac, Z., Teofanov, Lj., The discret Math. Comput. Simul. 2009, Vol. 79, I	e minimum principle fo No 8, pp.2490-2505	or quadratic spline discretization of a singularly perturbed			
5.	Teofanov No. 4, 20	r, Lj., Zarin, H., Superconvergence for 09, 743-765	two-parameter singula	arly perturbed problem, BIT Numerical Mathematics, Vol. 49,			
6.	Vulanovio Numer A	ć, R., Teofanov, Lj., A uniform numeric Jgor. 54, 2010, 431-444	al method for semiline	ear reaction-difusion problems with a boundary turning point,			
7.	Teofanov Math Vo	, Lj., Uzelac, Z., Family of Quadratic bl. 84, No. 1, 2007, 33-50	Spline Difference Sch	emes for a Convection-Diffusion Problem, Int. J. Comput.			
8.	Surla, K., Sad J. M	Uzelac, Z., Teofanov, Lj., On collocat ath, Vol. 31, No. 1, 2001, 125-132	ion methods for singu	lar perturbation problems of convection-diffusion type, Novi			
9.	Surla, K., 2000, 173	Uzelac, Z., Pavlović, Lj., On collocati 3-183	on methods for singul	ar perturbation problems, Novi Sad J. Math., Vol. 30, No. 3,			
10.	0. Čomić, I., Pavlović, Lj., Funkcije više promenljivih, Fakultet tehničkih nauka, Novi Sad, 2000. 95 str.						
Sun	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	Quotation total : 12						
Total	of SCI(SS	CI) list papers :	7				
Curre	ent projects	:	Domestic :	1 International : 0			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	e and last n	ame:			Teslić Đ. Nikola						
Academic title:					Full Professor						
Nam starti	e of the inst ng date:	itution v	where the te	acher works full time and	-						
Scier	ntific or art fi	eld:			Computer Engineering and Computer Communication						
Acad	emic cariee	r	Year	Institution		Field					
Acad	emic title el	ection:	2011				Computer Engineering and Computer Communication				
PhD thesis			1999	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering				
Magister thesis			1997	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering				
Bachelor's thesis			1995	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering				
List of courses being held by the teacher in the accredited study programmes											
	ID Course name				Study programme name, study type						
	E227A				(E20) Co Academic		nputing and Control Engineering, Undergraduate Studies				
1.		Locia Design of Computer Quetoms 1				(ES0) Power Software Engineering, Undergraduate Academic Studies					
		Logic Design of Computer Systems 1				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies					
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
2.	E244	Selected Chapters in Physical Architecture Design				(E20) Computing and Control Engineering, Undergraduate Academic Studies					
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies					
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
						(E20) Computing and Control Engineering, Undergraduate Academic Studies					
	RT50					(MR0) Measurement and Control Engineering, Undergraduate Academic Studies					
3.		Televis	sion and Im	age Processing Software	(SE0) So Undergrae		tware Engineering and Information Technologies, luate Academic Studies				
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
4.	EK465	Archite	ectures of di	igital signal processors		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
5.	SERT02	Basics	of compute	er engineering		(SE0) Soft Undergrad	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
6.	RT56	Television and Image Processing Software 2			(E20) Co Academic		nputing and Control Engineering, Master Studies				
						(SE0) Software Engineering and Information Technologies, Master Academic Studies					
7.	RT511	Practicum in computer engineering and con communications			nputer	(E20) Computing and Control Engineering, Master Academic Studies					
						(SE0) Software Engineering and Information Technologies, Master Academic Studies					
8.	DRT04	Selected Chapters in Computer Communications				(Z01) Safety at Work, Doctoral Academic Studies					
9.	DRT04	Select	ed Chapters	s in television software		(E20) Computing and Control Engineering, Doctoral Academic Studies					
Representative refferences (minimum 5, not more than 10)											
1. Arhitekture i algoritmi DSP 1, Vladimir Kovačević, Miroslav Popović, Miodrag Temerinac, Nikola Teslić											
2.	 Zbirka rešenih zadataka iz logičkog projektovanja. računarskih sistema I : projektovanje digitalnih sistema. Mihajlo Katona, Nikola Teslić, Vladimir Kovačević 										

UNIVERSITY OF NOVI SAD



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

Representative refferences (minimum 5, not more than 10)										
3. Z	Z. Šarić, S. Jovičić, V. Kovačević, N.Teslić, D. Kukolj , SYSTEM AND TECHNIQUE FOR SPEAKER LOCALIZATION USING MICROPHONE ARRAY, filled 21.november, 2006, No. P-2006/0642.									
4. L	D. Kukolj , V. Kovačević, N. Teslić, I. Papp, TECHNIQUE FOR DIRECTION OF ARRIVAL ESTIMATION FROM SOUND SOURCI USING DUAL MICROPHONE SYSTEM, filled 3.november, 2006, No. P-2006/0612.									
5. Z	Z. Šaric, S. Jovičić, V. Kovačević, N.Teslić, I. Papp, TECHNIQUE AND SYSTEM FOR AUTOMATIC GAIN CONTROL (AGC) USING MICROPHONE ARRAY, filled 3.november, 2006, No. P-2006/0611.									
6. \ 0	Majstorović D., Čelanović I., Teslić N., Čelanović N., Katić V.: Ultra-Low Letency Hardware-in-the-Loop Platform for Rapid Validation of Power Electronics Designs, IEEE Transaction on Industrial Electronics, 2011, Vol. 58, No 10, pp. 4708-4716, ISSN 0278-0046, UDK: http://dx.doi.org/10.1109/TIE.2011.2112318									
7. T ۲. ۲	Pap I., Šarić Z., Jovičić S., Teslić N.: Adaptive microphone array for unknown desired speaker's transfer function, JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, 2007, Vol. 122, No 2, pp. 44-49, ISSN 10.1121/1.2749077, UDK: http://dx.doi.org/10.1121/1.2749077									
8. li 1	Katona M., Kaštelan I., Peković V., Teslić N., Tekcan T.: Automatic black box testing of television systems on the final production line, IEEE Transactions on Consumer Electronics, 2011, Vol. 57, No 1, pp. 224-231, ISSN 0098-3063, UDK: 10.1109/TCE.2011.5735506									
9. F	Pap I., Šarić Z., Teslić N.: Hands-free Voice Communication with TV, IEEE Transactions on Consumer Electronics, 2011, Vol. 57, No 2, pp. 606-614, ISSN 0098-3063, UDK: doi: 10.1109/TCE.2011.5955198									
10. N	Marijan D., Zlokolica V., Teslić N., Peković V., Teckan T.: Automatic Functional TV Set Failure Detection System, IEEE Transactions on Consumer Electronics, 2010, Vol. 56, No 1, pp. 125-133, ISSN 0098-3063, UDK: 10.1109/TCE.2010.5439135									
Summary data for teacher's scientific or art and professional activity:										
Quotatio	on total :	0								
Total of	f SCI(SSCI) list papers :	6								
Current	projects :	Domestic :	2	International :	10					


FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Vidaković P. Milan			
Academic title:					Associate Professor			
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad			
starting date: 20						20.01.1998		
Scier	ntific or art f	ield:			Applied Comp	d Computer Science and Informatics		
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
PhD	thesis		2003	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
Magi	ster thesis		1998	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
Bach	elor's thesis	5	1995	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
List o	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1	F239A	Web P	rogrammin	a		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
	LLOON	11001	rogrammi	9		(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2		Distributed Artificial Intelligence and Intelligent Ager			ont Agonte	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
۷.	E2K41				ent Agents	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
2	E501					(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
5.	F301		Jesign			(F10) Engineering Animation, Undergraduate Academic Studies		
4.	GI211	Geoinf	ormatics			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
5.	GI111	Inform	ation techno	ologies in geodesy		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
6	550006	Object	oriontod pr	cogramming 1		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
0.	320000	Object	onented pr	ogramming i		(SEL) Sof Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(P00) Pro Studies	duction Engineering, Undergraduate Academic	
7.	SE239A	Web programming				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
8	F2501	Flectro	onic Payme	nt Systems		(E20) Con Academic	nputing and Control Engineering, Master Studies	
0.	22001					(SE0) Software Engineering and Information Technologies, Master Academic Studies		
<u>a</u>	FP007	Docum	ent and co	ntent management		(I20) Engineering Management, Specialised Professional Studies		
5.	_ 007	Docum		ment management		(IB0) Engi Profession	(IB0) Engineering Management - MBA, Specialised Professional Studies	
10.	AD0008	Web d	esign in Arc	chitecture		(AD0) Dig Architectur	ital Techniques, Design and Production in re and Urban Planning, Master Academic Studies	
11.	DRNI03	Selected Topics in Internet-Based Systems				(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study program	ne name, study type				
12.	DRNI05	Selected Topics in Software Standar	rdization and Quality (E20) Computing a		g and Control Engineering, I es	Doctoral			
				(F20) Engineerii	ng Animation, Doctoral Acad	emic Studies			
13.	FDS152	Selected Topics in Computer Graphi	cs	(F00) Graphic E Studies	ngineering and Design, Doc	toral Academic			
14		Colocted Tenics in Computing		(E20) Computing and Control Engineering, Doctoral Academic Studies					
14.	DA0014	Selected Topics in Computing		(OM1) Mathema Studies	atics in Engineering, Doctora	I Academic			
45		Colorised Tables in Electronic Dusing		(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral			
15.	DRINITO	Selected Topics in Electronic Busine	:55	(OM1) Mathematics in Engineering, Doctoral Academic Studies					
16.	DRNI18	Selected Topics in Distributed/Mobile	e computing	(E20) Computing and Control Engineering, Doctoral Academic Studies					
				(F20) Engineering Animation, Doctoral Academic Studies					
Rep	Representative refferences (minimum 5, not more than 10)								
1.	Vidaković Internatio	b, M., Milosavljević, B., "Internationalis nal Unicode Conference, Orlando, US	ation of the BISIS Libr SA, September 7-9, 20	ary Information S	ystem", Proceedings of the 2	28th			
2.	Vidaković Conferen	b, M., Sladić, G., Zarić, M., "Metadata ce on Software Engineering and Appl	Harvesting Using Age ications (SEA 2004), C	nt Technology", P Cambridge, USA,	roceedings of the 8th IASTE November 9-11, 2004., pp.	D International 489-493			
3.	Vidaković časopis z	M., Sladić G., Komazec S., "Sistemi a informacione tehnologije i multimed	za upravljanje elektror ijalne sisteme, 2006.,	nskim sadržajima pp. 36-41, ISSN 1	i njihova promena u eUpravi 451-4397	", Info M:			
4.	Vidaković System E Republic	h., Zubić, T., Milosavljević, B., Pupo ISIS", Proceedings of the International of Macedonia, June 1-6, 2004., pp. 65	ovac, B., Tošić, T., "Pr al Conference on Distr 5-91.	ocessing Bibliogra ibuted LibraryInfo	aphic Documents in the Libra rmation Systems, Ohrid, For	ary Inforation mer Yugoslav			
5.	Vidaković, M., Sladić, G., Konjović, Z., "Security Management In J2EE Based Intelligent Agent Framework", Proceedings of the 7th IASTED International Conference on Software Engineering and Applications (SEA 2003), Marina Del Rey, USA, November 3- 5, 2003, pp. 128-133								
6.	Milosavljević B., Vidaković M., Komazec S. and Milosavljević G., "User Interface Code Generation for Data-Intensive Systems with EJB-based Data Models". In Software Engineering Research and Practice. Las Vegas. NV. USA, 2003.								
7.	7. Vidaković, M., Konjović, Z., "EJB Based Intelligent Agents Framework", Proceedings of the 6th IASTED International Conference on Software Engineering and Applications (SEA 2002), Cambridge, USA, November 4-6, 2002., pp. 343-348.								
8.	8. Vidaković M., "Agentska okruženja", Zadužbina Andrejević. Beograd, 2007, ISBN: 9-788672-446210								
9.	9. Milosavljević B., Vidaković M., Java i Internet programiranje, FTN izdavaštvo, 2007., ISBN 978-86-7892-047-9								
10.	Okanović Kopaonik	D., Vidaković M., "Upotreba JMX mle 2007.	et servisa za ažuriranje	e verzija aplikacija	", Zbornik radova YuInfo 200)7 (CD),			
Sun	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		119						
Total	of SCI(SSC	CI) list papers :	7						
Curre	ent projects		Domestic :	1	International :	0			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Vukelić B. Đorđe				
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad				
starting date:					23.10.2000				
Scier	Scientific or art field:					Metrology, Quality, Fixtures and Ecological-Engineering Aspects			
Acad	emic caries	er	Year	Institution			Field		
Acad	emic title el	ection:	2010	Faculty of Technical Science	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
PhD	thesis		2010	Faculty of Technical Science	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
Magi	ster thesis		2005	Faculty of Technical Scie	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
Bach	elor's thesis	6	2000	Faculty of Technical Sci	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
List c	of courses b	eing hel	d by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	P1401	Fixture	Design an	d Measuring Machines		(P00)Proo Studies	duction Engineering, Undergraduate Academic		
						(P00)Proo Studies	duction Engineering, Undergraduate Academic		
2.	P1508	Revers	se Engineer	ring and CAQ		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
		P209 Measurements and Quality				(M40) Technical Mechanics and Technical Design,			
3.	P209					(P00) Pro	(P00) Production Engineering, Undergraduate Academic Studies		
4.	P306	Fixtures				(P00) Proc Studies	duction Engineering, Undergraduate Academic		
5.	Z207	Mecha	nical Engin	eering in Environmental E	Ingineering	(Z20) Envir	ronmental Engineering, Undergraduate Academic		
6.	Z207A	Mecha	nical Engin	eering in Environmental E	Ingineering	(Z01) Safe	201) Safety at Work, Undergraduate Academic Studies		
					<u> </u>	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
7.	Z301	Pollutio	on Measure	ement and Control		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
8.	ZRI441	Materia protect	al handling tion	systems for environmenta	al and labor	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
9.	II1037	Disass	embly and	recycling technologies		(I10) Indus Studies	strial Engineering, Undergraduate Academic		
10.	P322	Introdu	iction to Pre	ecision Engineering		(P00) Production Engineering, Undergraduate Academic Studies			
11.	ZC036	Measu	rement and	l control of pollution		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
12.	P1409	Materia	al Control S	systems and CAI		(PM0)Pro	duction Engineering, Master Academic Studies		
13.	P1501	Ecological Technologies and Systems				(M40) Teo Academic	nnical Mechanics and Technical Design, Master Studies		
					(PM0)Pro	duction Engineering, Master Academic Studies			
14.	Z416A	Enviro	nment Prote	ection System Manageme	ent	(PM0)Pro	duction Engineering, Master Academic Studies		
15.	1907	Autom	ated Assen	nbly Systems for High Acc	curacy	(H00) Mea (PM0) Pro	chatronics, Master Academic Studies oduction Engineering, Master Academic Studies		
16.	P321	Revers	se Engineer	ring and Rapid Prototyping	9	(110) Indus	strial Engineering, Master Academic Studies		
17.	PIP16	Plastic	s and envir	onmental protection		(PM0)Pro	duction Engineering, Master Academic Studies		
18.	PLIS1	Logisti	cs and Sim	ulation in Technologies of	Plastics	(PM0)Pro	duction Engineering, Master Academic Studies		
19.	PP103	Measu	rement and	tools in precision engine	ering	(PM0) Pro	duction Engineering, Master Academic Studies		
20.	SM3	Software support for reverse engineering and CAQ			nd CAQ	(PM0) Production Engineering, Master Academic Studies			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	ne name, study type			
21.	SMI003	Software support for cutting tools an	d fixtures modeling	(PM0) Productio	on Engineering, Master Acad	lemic Studies		
22.	SZDH1	Modern Methods of Eco-design		(Z00) Environme Studies	ental Engineering, Specialise	ed Academic		
23.	DM411	Contemporary Approach to Integrati Engineering of Rapid Prototyping, T Virtual Manufacturing	on of Reverse ools, Products and	(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies		
24.	DP001	Design and Research Methods in Production (M00) Mechanical Engineering, Doctoral Academic Studies						
25.	DP006	State and development trends of me fixtures	trology, quality and	(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies		
26.	DP013	Ecological Engineering Aspects		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies		
27.	DP019	2019 Selected topics in technical diagnosis (M00) Mechanical Engineering, Doctoral Academ				ademic Studies		
28.	ZDH1	H1 Modern Methods of Eco-design (Z00) Environmental Engineering, Doctoral Academic Studies						
Rep	oresentative	refferences (minimum 5, not more th	an 10)					
1.	Budak I., Sensors,	Vukelić Đ., Bračun D., Hodolič J., So Sensors, 2012, Vol. 12, No 1, pp. 110	ković M.: Pre-Process 00-1126, ISSN 1424-8	ing of Point-Data 220.	from Contact and Optical 3E	Digitization		
2.	 Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone- shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593. 							
3.	Tadić B., Engineer	Todorović P., Vukelić Đ., Jeremić B.: ing Failure Analysis, 2011, Vol. 18, No	Failure analysis and e 5, pp. 1308-1321, IS	effects of redesigr SN 1350-6307.	n of a polypropylene yarn twi	sting machine,		
4.	Matin I., I Products	Hadžistević M., Hodolič J., Vukelić Đ., , International Journal of Advanced M	Lukić D.: A CAD/CAE anufacturing Technolo	E Integrated Inject gy, 2012, Vol. 63,	ion Mold Design System for No. 5-8, pp. 595-607, ISSN	Plastic 0268-3768.		
5.	Tadić B., Todorović P., Lužanin O., Miljanić D., Jeremić B., Bogdanović B., Vukelić Đ.: Using specially designed high-stiffness 5. burnishing tool to achieve high-quality surface finish, DOI: 10.1007/s00170-012-4508-2, International Journal of Advanced Manufacturing Technology, 2012 ISSN 0268-3768							
6.	Mrkajić V., Stamenković M., Maleš M., Vukelić Đ., Hodolič J.: Proposal for reducing problems of the air pollution and noise in the urban environment, Carpathian Journal of Earth and Environmental Sciences, 2010, Vol. 5, No 1, pp. 49-56, ISSN 1842-4090.							
7.	Vukelić Đ., Zuperl U., Hodolič J.: Complex system for fixture selection, modification, and design, International Journal of Advanced Manufacturing Technology, 2009, Vol. 45, No 7-8, pp. 731-748, ISSN 0268-3768.							
8.	Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolič J., Simeunović N.: Machining fixture assembly/disassembly in RFID environment, Assembly Automation, 2011, Vol. 31, No 1, pp. 62-68, ISSN 0144-5154.							
9.	Trifković B., Budak I., Todorović A., Hodolič J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97. ISSN 1335-8871.							
10.	10. Tadić B., Vukelić Đ., Hodolič J., Mitrović S., Erić M.: Conservative-Force-Controlled Feed Drive System for Down Milling, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 5, pp. 425-439, ISSN 0039-2480.							
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		34					
Tota	of SCI(SS	CI) list papers :	21					
Curre	ent projects	:	Domestic :	3	International :	3		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Name and last name:					Vukmirović M. Srđan				
Acad	lemic title:				Assistant Professor				
Nam	Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad			
starti	ng date:				20.11.2000				
Scier	ntific or art f	ield:			Automatic Control and System Engineering				
Acad	lemic caries	er	Year	Institution			Field		
Acad	Academic title election: 2012 Faculty of Technical Se					ad	Automatic Control and System Engineering		
PhD thesis 2011 Faculty of Technical Sc					ences - Novi S	ad	Automatic Control and System Engineering		
Magi	ster thesis		2004	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
Bach	elor's thesis	S	2000	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	ogramme name, study type		
1.	E126	Syster	n Control, N	Iodeling and Simulation		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
						(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
2	Fasa	Sustan	n Madalina	and Simulation		(M40) Teo Undergrad	chnical Mechanics and Technical Design, luate Academic Studies		
2.	E232	System Modeling and Simulation				(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies		
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL)Sofi Loznica.U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
3.	GI303A	Distributed Systems in Geomatics				(GI0) Geo Studies	illo) Geodesy and Geomatics, Undergraduate Academic Jdies		
4.	H213	System Modelling and Simulation 1				(GI0) Geo Studies	0) Geodesy and Geomatics, Undergraduate Academic dies		
		-,				(H00) Med	chatronics, Undergraduate Academic Studies		
_	50040	0				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
5.	E2312	Softwa	are design fo	or SCADA systems		(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
6.	ESI004	Cloud	Computing	in power systems		(ES0) Pov Academic	ES0) Power Software Engineering, Undergraduate		
7.	ESI008	Develo	opment of C	cloud application in power	systems	(ES0) Pov Academic	(ES0) Power Software Engineering, Undergraduate Academic Studies		
8.	SEAU02	SCAD	A Software			(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies		
9.	AU502	Distributed Control Systems			(MR0) Me Academic	asurement and Control Engineering, Master Studies			
						(E10) Pow Engineerin	ver, Electronic and Telecommunication		
10.	H301	Syster	n Modeling	and Symulation		(H00) Med	chatronics, Master Academic Studies		
11.	E2533	Discre	te event sin	nulation		(E20) Con Academic	nputing and Control Engineering, Master Studies		
						(E20) Con	nputing and Control Engineering, Master		
12.	E2535	Softwa	are Algorithr	ms in Supervisory Control	ol and Data	Academic Studies			
		Acquisition Systems			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies				
13.	ESI027	Advan	ced cloud c	omputing in power systen	ns	(ES0) Pov Studies	g, master Academic Studies /er Software Engineering, Master Academic		





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Study Programme Accreditation

List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	me name, study type			
14.	ESI032	Smart grid applications in Cloud		(ES0) Power So Studies	oftware Engineering, Master	Academic		
15.	ESI038	Service oriented architectures in Sm	art Grid	(ES0) Power So Studies	oftware Engineering, Master	Academic		
16.	DAU006	Selected Chapters in Modeling and Simulation of Dynamic Systems (E20) Computing and Control Engineering, Doctoral Academic Studies						
17.	DAU018	Selected Chapters in Distributed Control Systems (E20) Computing and Control Engineering, Doctoral Academic Studies						
18.	ZRD25A	Selected chapters from Artificial Inge	eligence	(Z01) Safety at	Work, Doctoral Academic St	udies		
Rep	oresentative	refferences (minimum 5, not more th	an 10)					
1.	Kljajic, M performa	iroslav; Gvozdenac, Dusan; Vukmirov nce ENERGY 2012 45 (1):304-311	ic, Srdjan Use of Neu	ral Networks for r	nodeling and predicting boile	er's operating		
2.	Vukmirović S., Erdeljan A., Čapko D., Lendak I., Nedić N.: Optimization of workflow scheduling in Utility Management System with hierarchical neural network, International Journal of Computational Intelligence Systems, 2011, Vol. 4, No 4, pp. 672-679, ISSN 1875-6883							
3.	3. S.Vukmirovic, A. Erdeljan, D. Capko, I. Lendak, N. Nedic, Optimization of workflow scheduling in Utility Management System with hierarchical neural network, International Journal of Computational Intelligence Systems, ISBN 1875-6891, pp. 672 - 679							
4.	S.Vukmir electrical	ovic, A. Erdeljan, D. Capko, I. Lendak engineering ISSN: 1392-1215, pp. 59	, Extension of the Cor - 64	nmon Information	Model with Virtual Meter, El	ectronics and		
5.	D. Capko DISTRIB	, A. Erdeljan, S.Vukmirovic, I. Lendak UTION MANAGEMENT SYSTEMS, Ir	, A HYBRID GENETIC nformation technology	CALGORITHM Fo and control ISSN	OR PARTITIONING OF DAT : 1392-124X, pp. 316 - 322	A MODEL IN		
6.	S.Vukmir Schedulir	ovic, A. Erdeljan, D. Capko, I. Lendak ng, Information technology and contro	, N. Nedic, A Genetic I ISSN: 1392-124X, pp	Algorithm Approa 5. 310 - 316	ch for Utility Management S	ystem Workflow		
7.	llić S., Vu Science,	kmirović S., Erdeljan A., Kulić F.: Hyl 2012, Vol. 16, No S, pp. 215-224, ISS	brid Artificial Neural Ne SN 0354-9836	etwork System for	r Short-Term Load Forecasti	ng, Thermal		
8.	Vukmirović S., Erdeljan A., Lendak I., Čapko D.: A novel software architecture for Smart Metering systems, Journal of Scientific and Industrial Research (JSIR), 2010, Vol. 2010, No 12, pp. 937-941, ISSN 0022-4456							
9.	 Vukmirović S., Vujić G., Vujić B., Jovičić N., Jovičić G., Babić M.: Experimental and Artificial Neural Network approach for forecasting of traffic air pollution in urban areas: the case study of Subotica, Thermal Science - International Scientific Journal, 2010, Vol. 14, pp. 79-87, ISSN 0354-9836 							
10.	 Vukmirović G., Vukmirović S., Vujić G., Stanisavljević N., Ubavin D., Batinić B.: Using ANN model to determine future waste characteristics in order to achieve specific waste management targets -case study of Serbia, Journal of Scientific and Industrial Research (JSIR), 2011, Vol. 70, No 07, pp. 513-518, ISSN 0022-4456 							
Sur	Summary data for teacher's scientific or art and professional activity:							
Quot	ation total :		0					
Tota	of SCI(SS	CI) list papers :	12	1	F			
Current projects : Domestic : 2 International : 0								



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Nam	e and last n	ame:			Zeljković V. Milan				
Academic title: F					Full Professor				
Name of the institution where the teacher works full time and Fa					Faculty of Te	Faculty of Technical Sciences - Novi Sad			
Starting date.					15.11.1977	- Elecciele 7			
Scier	Academic or art field.					s, Flexible	Field		
Acad	emic carlee	er	rear	Institution			Field		
Acad	emic title el	lection:	2007	Faculty of Technical Scie	ences - Novi S	ad	and Automatization Processes Design		
PhD	thesis		1996	Faculty of Technical Scie	ences - Novi S	ad	Machine Tools, Flexible Technological Systems and Automatization Processes Design		
Magi	ster thesis		1984	Faculty of Technical Scie	ences - Novi S	ad	Machine Tools, Flexible Technological Systems and Automatization Processes Design		
Bach	elor's thesis	S	1977	Faculty of Technical Scie	ences - Novi S	ad	Technological Processes, Techno-Economic Optimization and Virtual Design		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s			
	ID	Course	e name			Study pro	ogramme name, study type		
1.	P1402	CAD/C	CAE/CAM i	CIM Systems		(P00)Pro Studies	duction Engineering, Undergraduate Academic		
2.	P1407	Machi	ne Tools De	esigning		(P00) Pro Studies	duction Engineering, Undergraduate Academic		
						(P00)Pro Studies	duction Engineering, Undergraduate Academic		
3.	P1410	Virtual Product Designing				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
4.	P301	Automation in Production Engineering				(P00)Pro Studies	P00) Production Engineering, Undergraduate Academic tudies		
5.	P304	Proces	ssing and T	echnological Systems		(P00) Production Engineering, Undergraduate Academic Studies			
6.	P307	Autom	ated Flexib	le Technologial Systems		(P00) Pro Studies	(P00) Production Engineering, Undergraduate Academic Studies		
7.	ZR308A	Securi	ty and Safe	ty Equipment for working		(Z01) Safety at Work, Undergraduate Academic Studies			
8.	ZR408A	Safety	at work on	the machines for process	ing	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
9.	P1405	Conte	mporary Ap	proach to Product Designi	ing	(PM0)Pro	oduction Engineering, Master Academic Studies		
10.	PR408	Funda Machii	mentals on	Protection for Operation of	on Processing	(PM0)Pro	oduction Engineering, Master Academic Studies		
11.	IM2118	Funda	mentals of	CAD / CAM technology		(I20) Engir	neering Management, Master Academic Studies		
12.	P307A	Flexibl	e technolog	ical systems		(E20) Computing and Control Engineering, Master Academic Studies			
13.	PP102	Precis	ion of mach	ine tools		(PM0) Production Engineering, Master Academic Studies			
14.	PP110	The dy	/namics of r	nicro machining systems		(PM0) Production Engineering, Master Academic Studies			
15.	PP2I12	Desigr	n of prosthe	tic devices		(BM0) Biomedical Engineering, Master Academic Studies			
16.	DP001	Desigr	n and Resea	arch Methods in Productio	n	(M00) Me	chanical Engineering, Doctoral Academic Studies		
17.	DP003	State a	and Develop FTS, and A	bing Trend in the Field of I Automation of Designing P	Vachine rocesses	(M00) Me	chanical Engineering, Doctoral Academic Studies		
18.	DP010	Behav Workir	iour Modelling Systems	ng and Experimental Test	ting of	(M00) Me	chanical Engineering, Doctoral Academic Studies		
19.	ZRD18A	Behav Workir	iour Modelli 1g Svstems	ng and Experimental Test	ting of	(Z01) Safe	ety at Work, Doctoral Academic Studies		
20.	ZRD235	Syster and he	nic regulation	on in the field of occupatio	nal safety	(Z01) Safe	ety at Work, Doctoral Academic Studies		
21.	ZRD238	State a work in	and trends on the area n	of development safety and nechanical engineering	health at	(Z01) Safe	ety at Work, Doctoral Academic Studies		
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)					
1.	Zeljković Manufact	M., Gat uring Te	alo R.: Exp echnology,	erimental and Computer A 1999, Vol. 48, No 1, pp. 32	Aided Analysis 25-328, ISSN (of High-Spe 0007-8506	eed Spindle Assembly behaviour, CIRP Annals -		



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

Representative refferences (minimum 5, not more than 10)								
2.	Gatalo R., Hodolič J., Zeljković M., Milošević V., Konjović Z.: Achievements in the development and future development of SAPOR-S systems for automatic programming of NC Lathes , Robotics and Computer-integrated Manufacturing, 1988, Vol. 4, No 1/2, pp. 91-102, ISSN 0736-5845							
3.	Gatalo R., Rekecki J., Hodolič J., Borojev Lj., Zeljković M., Milošević V., Konjović Z., Malbaški D.: Automatic design of the technological process for NC lathes by the use of SAPOR-S system, International Journal of Production Research, 1983, Vol. 21, No 2, pp. 197-213, ISSN 0020-7543							
4.	Todić V., Zeljković M., Tepić J., Milošević M., Lukić D.: Techno-economic method for evaluation and selection of flexible manufacturing systems, Metalurgija, 2012, Vol. 51, No 3, ISSN 0543-5846							
5.	Antić A., Petrović P., Zeljković M., Kosec B., Hodolič J.: The influence of tool wear on the chip-forming mechanism and tool vibrations, Materijali in tehnologije, 2012, Vol. 46, No 3, pp. 279-285, ISSN 1580-2949							
6.	Milojević Z., Vićević M., Zeljković M., Navalušić S.: Methodology of the bone tissue diagnostic images processing, Academic Journal of Manufacturing Engineering – AJME, 2012, Vol. 10, No 3, pp. 63-70, ISSN 1583-7904							
7.	Milojević Z., Navalušić S., Zeljković M., Vićević M., Beju L.: Haptic interaction program systems development as a part of virtual environment, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 61-66, ISSN 1583-7904							
8.	Tabaković S., Živković A., Grujić J., Zeljković M.: Using CAD/CAE software systems in the design process of modular, revision 3. total hip endoprosthesis, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 97-102, ISSN 1583-7904							
9.	Živković A., Zeljković M., Tabaković S.: Maten Manufacturing Engineering – AJME, 2010, Vol	natical Model for the R . 8, No 3/2010, pp. 10	oller Bearing Life 8-115, ISSN 1583	Determination, Academic Jo 3-7904	ournal of			
10.	Čiča Đ., Zeljković M., Lakić-Globočki G., Sredanović B., Borojević S.: Identification of contact parameters of spindle-holder-tool assembly using artification neural networks, 11. International Scientific Conference "Advanced Production Technologies" - MMA, Novi Sad: Fakultet tehničkih nauka, 20-21 Septembar, 2012, pp. 57-60, ISBN 978-86-7892-419-4							
Summary data for teacher's scientific or art and professional activity:								
Quot	ation total :	22						
Total	of SCI(SSCI) list papers :	6						
Curre	ent projects :	Domestic :	1	International :	0			



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Standard 10. Organizational and Material Resources

To perform a study programme, the adequate human, spatial, technical and technological, library and other resources adequate for the study programme features and predicted students' number are provided. The time table of the Software Engineering and Information Technologies study programme is organized in two shifts ensuring 2m2 of space per student.

Teaching is done in lecture halls, classrooms and specialised laboratories. The library houses sufficient number of library units relevant for the Software Engineering and Information Technologies study programme. All the courses of the study programme are covered with adequate course literature, course books, and additional material which is available in time and in insufficient quantities for the regular teaching process. Sufficient IT support is also provided.

The Faculty of Technical Sciences has its own library and a reading room with enough space for every student in the lecture halls, classrooms and laboratories.

The Department for Computing and Control Engineering, where the study programme of Software Engineering and Information Technologies is performed, has laboratories which are equipped in cooperation with renowned international companies: IBM, Cisco Systems, Allied Telesyn, Philips, Sagem, OpenWave, AOL, Cirrus Logic, Danfoss, Nivelco, Feedback, Siemens, Leica, Trimble, Schneider electric.



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Study Programme Accreditation



UNDERGRADUATE ACADEMIC STUDIES Software Engineering and Information Technologies

Standard 11. Quality Control

The quality control of the study programme is performed regularly and systematically through selfevaluation and external quality control. A long standing tradition of student survey should be emphasised here.

The quality control process is conducted through:

- end of the term students survey for each course

- graduate students survey at the graduation regarding the quality of the study programme and the logistic support. In addition, conditions for studying (classroom tidiness and neatness, etc...) are also evaluated.

- student survey at the end of the school year when the logistic support is evaluated

- student survey at the enrolment at the new year of studies when student evaluate the study programme of the previous year

- survey of the teaching and non-teaching staff on the quality of the study programme and its logistic support. Here the work of the Dean's office, registrar's office, library, and other services at the Faculty is evaluated. In addition, conditions for studying (classroom tidiness and neatness, etc...) are also evaluated.

The quality of the study programme is monitored by a committee formed by the heads of all chairs involved in the study programme and at least one student from each year of study.