HUND RUN STUDIORUM

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



Study Programme Accreditation

Computing and Control Engineering

STUDY PROGRAMME ACCREDITATION MATERIAL:

COMPUTING AND CONTROL ENGINEERING

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad 2012. Prevod sa srpskog jezika:

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering



Programme name	Computing and Control Engineering
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
Type of studies	Undergraduate Academic Studies
Study scope, expressed in ECTS	241-244
Academic degree, abbreviation	Bachelor with Honours in Electrical and Computer Engineering, B.El.Comp.Eng.
Study length	4
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	669
Planned number of students to be enrolled in this programme	960
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	2008
Web address containing programme information	http://www.ftn.uns.ac.rs



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Standard 00. Introduction

The study programme of the Undergraduate Academic Studies in Computing and Control Engineering in the field of Electrical and Computer Engineering is realized at the Department of Computing and Control Engineering of the Faculty of Technical Sciences, University of Novi Sad.

The study programme of Computing and Control Engineering is developed within three basic engineering areas: automatic control and systems engineering, applied computer science and informatics and computer engineering and computer communications. The concept of the programme is defined in such a way that it educates future engineers who will possess the knowledge which is necessary for practical work and which at the same time enables them to continue education at the corresponding graduate or doctoral studies.

The current state and, especially, trends in the development of electrical and computer engineering form the basis for defining the structure and content of the study programme. For that reason a number of subjects at the lower years of study is defined in such a way to provide the necessary general and theoretical knowledge which provide the foundation for understanding computing, system (especially engineering) control and automatic control based on principles of physics, mathematics, electrical engineering, computer science, computer engineering, theory of signals and systems. Upper years of study are devoted primarily to specialized courses which are aimed at providing professional and applied knowledge in the narrow fields of interest. The studies especially value independent work, encourage participation in practical professional and developmental projects within the laboratories and develop problem solving abilities. New, contemporary laboratories are established in cooperation with the renowned international companies: IBM, Cisco Systems, Allied Telesyn, Micronas, ABB, Philips, Sagem, OpenWave, AOL, Cirrus Logic, Danfoss, Nivelco, Feedback, Siemens, Leica, Schneider electric. In addition to the necessary theoretical and practical knowledge, all these activities provide the feeling of self-confidence and completeness which is necessary for the successful integration in the professional environment.

The wide area covered by the study programme and the inevitable need for specialization have led to the need for a large number of elective courses at the upper years while the interdisciplinary aspect is maintained through common core subjects.



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UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering



Standard 01. Programme Structure

The name of the undergraduate academic study programme is Computing and Control Engineering. The academic degree obtained is Bachelor degree in Electrical and Computer Engineering. The structure of the programme enables the students to acquire the profound knowledge in the chosen area of interest, as well as to gain adequate knowledge of the other areas of computing and control engineering. The learning process outcome on this level of study is knowledge which enables students to use the professional references, apply knowledge for solving particular problems in professional area or in continued education (in case they chose that).

Requirements for the admission to the study programme are the completion of four years of secondary schooling and the successfully passed entrance examination. Procedures for registration, ranking and enrollment of candidates are defined in Regulations on Enrolment of Students to Study Programmes.

The undergraduate academic studies in Computing and Control Engineering which last four years and is evaluated with 240 ECTS, includes mandatory and elective courses, professional praxis and Bachelor thesis. The programme is organized around three areas of electrical and computer engineering: •Automatic Control and Systems Engineering,

•Applied Computer Science and Informatics,

•Computer Engineering and Computer Communications.

After the third year of studies, the students can decide on one of the three areas on the basis of their aptitudes and wishes, by making a selection of elective courses. By choosing at least 80% of subjects (credits) from a particular module on their senior year, the students acquire the right that their specific qualification in the chosen area be specified in the Diploma Supplement.

The Automatic Control and Systems Engineering module focuses on design, development and application of modern hardware and software solutions in the field of automatic control, biomedical engineering and geoinformation systems and technologies, based on system theory, signal processing and artificial intelligence.

The Applied Computer Science and Informatics module focuses on providing the knowledge students need for the design, development and application of modern software systems. Special emphasis is given to systems based on Internet technologies. Within this module students can additionally specialize (through elective courses) into four groups: Information systems, Internet and E-business, Software engineering and Intelligent systems.

The Computer Engineering and Computer Communications module focuses initially on acquiring generic knowledge in designing physical architecture, system software, intercomputer communications and architecture and algorithms of digital signal processors and then on developing students' abilities for design and development of dedicated computer structures and developing platforms and systems for real time operations.

Priority in choosing a study module is determined according to students' accomplishments and the number of students at a particular module can be limited in order to make most rational use of the available resources.

Elective courses are chosen from the group of suggested courses but students can also choose, upon approval of the Head of the Study programme, certain courses offered by the Faculty of Technical Sciences, University of Novi Sad, or any other university in the country or abroad, according to their affiliations and wishes, if the Pre exam assignments for attending that course are met.

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 organize 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. Each course is worth a certain number of ECTS (European Credit Transfer System) credits. Standard determines that one ECTS is equivalent to approximately 30 hours of student's activity (lectures, practice, exam preparation, ...). The studies are considered to be completed after the student has fulfilled all the



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obligations prescribed by the study programme and has attained the minimum of 240 ECTS credits.



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Standard 02. Programme Objectives

The purpose of the study programme is the education of students for the profession of electrical and computer engineer in the field of computing and control engineering in accordance to the needs of the society and the individual.

Computing and Control Engineering 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 Computing and Control engineering 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 engineers in the field of electrical and computer engineering who are competent at the European and international level.



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

Technical knowledge: Acquiring the necessary knowledge in the field of electrical and computer engineering combined with the knowledge of mathematics, physics and selected social studies. The programme ensures the in depth knowledge of at least one of the specialization areas: automatic control, system engineering, computer science, informatics, computer engineering and computer communications. Practical knowledge: Acquiring the necessary knowledge for defining problems and projects as well as plans for their resolving using different technical knowledge and skills. This, among other things, includes the development of creative ways of approaching problems and the ability of critical thinking.

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.

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.



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Standard 04. Graduates` Competencies

Electrical and computer engineers who have completed Computing and Control Engineering study programme have the competence to solve real life problems in practice as well as to continue education if they decide to do so. Their competences include, primarily, critical thinking, the ability to analyze a problem, synthesize a solution, predict the behavior of the chosen solution with the clear idea of the advantages and disadvantages of the chosen solution.

With regard to their specific competences, students who have completed this study programme have acquired a though knowledge in the fields of electrical and computer engineering together with the knowledge of mathematics, physics and selected social studies. By completing the study programme the students acquire an in-depth knowledge of at least one of the specialization areas: automatic control, system engineering, computer science, informatics, computer engineering and computer communications. The study programme also qualifies students for solving practical problems using professional and scientific methods and procedures.

The students who have completed Computing and Control Engineering programme are capable of adequately writing about and presenting the results of their work.

The students who have completed this level of studies have the competence to apply their knowledge in practice and follow the new developments in their profession as well as cooperate with local community and international environment.

The students who have completed Computing and Control Engineering study programme are capable of team work and development of professional ethics.



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UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Standard 05. Curriculum

The curriculum of undergraduate academic studies in Computing and Control Engineering is designed to fulfill 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 at 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, ...) -electrical and computer engineering group -automatic control group -applied computer science and informatics group -computer engineering and computer communications group -group of subjects where the acquired knowledge can be made concrete 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 choose one of the three areas: Automatic control and system engineering, Applied computer science and informatics or Computer engineering and computer communications. Further on, on their fourth year the students can deepen the knowledge in the area that presents the main focus of their 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 offered on the third year of study provide an opportunity to direct interest towards the desired area 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 second 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 centers, 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 defense 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. It is worth mentioning that this Curriculum has been successfully applied, with minor adjustments, since 2002/2003 academic year.



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:	:	_													
Course	id:	E212		Mathematical Analysis 1											
Number	r of ECTS:	9													
Teache	rs:		Kovačević N	/I. Ilija, Mihailo	vić P. Bilja	na, Lukić J. Tibor, Grbić	P. Tatjana, Kostić Z.	Marko							
Course	status:		Mandatory												
Number	r of active teac	hing classe	s (weekly)												
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:						
	4	3		0		0		1							
Precond	dition courses			None											
1. Educ	ational goal:														
	g students to calculus, ord				dge in the	field of Mathematical an	nalysis (limiting proc	esses, differe	ential and						
2. Educ	ational outcom	nes (acquire	d knowledge	e):											
	d knowledge i dge from Math			tion and stude	nt designs	and solves mathematica	al models in professi	onal courses	using the						
3. Cours	se content/stru	icture:													
complet continui several higher c in exerc	te metric spac ity, differential real variables order. Linear d	e). Limits, c calculus ar (limits, cont ifferential ec cticing the ta	continuity an nd applicatio inuity, unifor quations of r	d uniform con on, indefinite ir rm continuity, o	tinuity of function tegral; de differential ctice (Exer	ace. Series (convergence unctions. Real functions finite integral and applic calculus and application rcises): Corresponding e em better.	of a real variable (lin ation; improper integ). Ordinary differentia	nit, continuity gral). Real fur al equations of	, uniform actions of f first and						
example and the lectures module	es in order to t knowledge fr , which prese ilimiting proc	oetter under om the lectu nts one log esses; the	stand the ma ures is deep ical whole, c second moo	atter taught in bened. Besides can be passed dule: differenti	lectures. In s lectures a l during the al calculus	ombined. Theoretical pa n practice, which accomp and practice, consultatic e teaching process in th s of real functions of a ntegral calculus: the fifth	panies lectures, typic ons are held on a reg e form of the followin real variable, the thi	al problems a gular basis. P ng 5 modules rd module: di	re solved art of the (the first fferential						
				Knowledge e	evaluation ((maximum 100 points)									
	Pre-examina	ation obligati	ions	Mandatory	Points	Final ex	kam	Mandatory	Points						
Exercise	e attendance			Yes		Final exam - part one		No	50.00						
Homew				Yes		Final exam - part two		No	50.00						
	attendance			Yes	2.00 10.00	Written part of the exam	- tasks and theory	Yes	70.00						
Test Test				Yes	10.00										
1000				Yes	Litera	iture									
Ord.	Δ	uthor			Title		Publishe	er	Year						
1,	I. Kovačević, Ralević,V.Ma	N. arić,B.Carić,	M.No Mate			ni pojmovi i granični	FTN (Edicija tehnič udžbenici), Novi Sa	ke nauke-	2012						
2,	vković,S.Mec I. Kovačević, Novković,B.(V.Marić, M.	5. M. Natamariška analiza 1. difaranajialni i integralni												
3,	Ralević M. Novković, Carić,S.Med	B. ić, V.Ćurić. I	Zhirk				,.	Zbirka rešenih zadataka iz Matematičke analize 1 Zbirka rešenih zadataka iz Matematičke analize 1							
r			dić, Testovi ispita iz Matematičke analize 1												



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Course									
Source	:			D .		- the sum of the second			
Course	id:	E213		Disci	rete Ma	athematics and	Linear Algeb	ora	
Numbe	r of ECTS:	9							
Teache	ers:	Do	oroslovačk	i D. Rade, Mił	nailović P.	Biljana, Lukić J. Tibor, Pa	antović B. Jovanka		
Course	status:	Ma	andatory						
Numbe	r of active tead	ching classes (weekly)						
L	ectures:	Practical cla	sses:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	4	4		0		0		0	
Precon	dition courses	-		None		•			
1. Educ	ational goal:								
		think abstractly lassic combination		new knowled	ge in the fi	eld of elementary, genera	al, abstract and linea	r algebra, as	well as in
2. Educ	ational outcon	nes (acquired l	nowledge):					
		s used in furth terial from this		on and profes	sional cou	rses. Mathematical mode	els are designed and	solved in pro	fessional
3. Cour	se content/stru	ucture:							
Lecture	es (Theoretica	lectures). Loc	ic. relatio	ns. functions.	Boolean a	algebra, groups, rings, fie	elds, polynomials, co	omplex numbe	ers. finite
fields,	free vectors,	analytical ge	ometry in	space (vect	or!), dete	rminants, systems of li	near equations, ve	ctor space, r	matrices
						adequate examples and erstanding of the theory.	tests from the theore	tical lectures	are done
	ching methods:	•							
	0								
typical p	problems are s				es in order	nd interactive. In lectures to better understand the			
are also	o held. Part of		ured theor	y is deepened	d. Besides	to better understand the lectures and practice, reg	matter. In practice, gular consultations a	which follows	lectures
modula	relations fu	the course, w	ured theor hich is a le	y is deepened ogical unit, ca	d. Besides an be pass	to better understand the lectures and practice, reg ed within the teaching p	matter. In practice, gular consultations a rocess in the followin	which follows nd group cons ng 2 modules	lectures sultations (the firs
module	: relations, fur try in space (v	the course, w nctions, Boolea	ured theor hich is a le an algebra	y is deepened ogical unit, ca , groups, ring	d. Besides an be pass js, fields, p	to better understand the lectures and practice, reg	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f	which follows nd group cons ng 2 modules ree vectors, a	lectures sultations (the firs analytica
module geomet and ver	try in space (v ctors. Theoret	the course, w nctions, Boolea ector!); the se	ured theor hich is a le an algebra cond mod	y is deepened ogical unit, ca , groups, ring ule: determin	d. Besides an be pass gs, fields, p ants, syste	to better understand the lectures and practice, reg ed within the teaching p polynomials, complex nu	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice	which follows nd group cons ng 2 modules ree vectors, a es, characteris	lectures sultations (the firs analytica stic roots
module geomet	try in space (v ctors. Theoret	the course, w nctions, Boolea ector!); the se	ured theor hich is a le an algebra cond mod	y is deepened ogical unit, ca i, groups, ring ule: determin ugh the test (d. Besides an be pass gs, fields, p ants, syste elimination	to better understand the lectures and practice, re- ed within the teaching pro- polynomials, complex nu- em of linear equations, v n and basic), Practical p	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice	which follows nd group cons ng 2 modules ree vectors, a es, characteris	lectures sultations (the first analytical stic roots
module geomet and ver	try in space (v ctors. Theoref ns.	the course, w nctions, Boolea ector!); the se ical part is pa	ured theor hich is a lo an algebra cond mod ssed throu	y is deepened ogical unit, ca a, groups, ring ule: determin ugh the test (Knowledge e	d. Besides an be pass js, fields, p ants, syste elimination	to better understand the lectures and practice, re- ed within the teaching p bolynomials, complex nu em of linear equations, v n and basic), Practical p (maximum 100 points)	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug	which follows nd group cons ng 2 modules ree vectors, a es, characteris gh solving five	lectures sultations (the first analytical stic roots e serious
module geomet and veo problen	try in space (v ctors. Theoref ns.	the course, w nctions, Boolea ector!); the se ical part is pa	ured theor hich is a lo an algebra cond mod ssed throu	y is deepened ogical unit, ca , groups, ring ule: determin ugh the test (Knowledge e Mandatory	d. Besides an be pass gs, fields, p ants, syste elimination evaluation Points	to better understand the lectures and practice, re- ed within the teaching p bolynomials, complex nu em of linear equations, v n and basic), Practical p (maximum 100 points) Final ex	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug	which follows nd group cons ng 2 modules ree vectors, a es, characteria gh solving five Mandatory	lectures sultations (the first analytical stic roots e serious Points
module geomet and veo problen Comput	try in space (v ctors. Theoref ns. Pre-examina	the course, w nctions, Boolea ector!); the se ical part is pa	ured theor hich is a lo an algebra cond mod ssed throu	y is deepened ogical unit, ca , groups, ring ule: determin ugh the test (Knowledge e Mandatory Yes	d. Besides an be pass gs, fields, p ants, syste elimination evaluation Points 5.00	to better understand the lectures and practice, re- ed within the teaching pro- bolynomials, complex nu- em of linear equations, v in and basic), Practical pro- (maximum 100 points) Final ex- Written part of the exam	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug cam	which follows nd group cons ng 2 modules ree vectors, a es, characteria h solving five Mandatory Yes	lectures sultations (the first analytical stic roots e serious Points 30.00
module geomet and veo problen Comput	try in space (v ctors. Theoref ns. Pre-examina ter exercise at	the course, w nctions, Boolea ector!); the se ical part is pa	ured theor hich is a lo an algebra cond mod ssed throu	y is deepened ogical unit, ca , groups, ring ule: determin ugh the test (Knowledge e Mandatory	d. Besides an be pass gs, fields, p ants, syste elimination evaluation Points 5.00	to better understand the lectures and practice, re- ed within the teaching p bolynomials, complex nu em of linear equations, v n and basic), Practical p (maximum 100 points) Final ex	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug cam	which follows nd group cons ng 2 modules ree vectors, a es, characteria gh solving five Mandatory	lectures sultations (the first analytical stic roots e serious Points 30.00
module geomet and veo problem Comput	try in space (v ctors. Theoref ns. Pre-examina ter exercise at	the course, w nctions, Boolea ector!); the se ical part is pa	ured theor hich is a lo an algebra cond mod ssed throu	y is deepened ogical unit, ca , groups, ring ule: determin ugh the test (Knowledge e Mandatory Yes Yes	d. Besides an be pass js, fields, p ants, syste elimination evaluation Points 5.00 5.00	to better understand the lectures and practice, re- ed within the teaching pro- bolynomials, complex nu- em of linear equations, v in and basic), Practical pro- (maximum 100 points) Final ex- Written part of the exam	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug cam	which follows nd group cons ng 2 modules ree vectors, a es, characteria h solving five Mandatory Yes	lectures sultations (the first analytical stic roots e serious Points
module geomet and vee problem Comput Lecture Test	try in space (v ctors. Theoref ns. Pre-examina ter exercise at	the course, w nctions, Boolea ector!); the se ical part is pa	ured theor hich is a lo an algebra cond mod ssed throu	y is deepened ogical unit, ca , groups, ring ule: determin ugh the test (Knowledge e Mandatory Yes Yes Yes Yes	d. Besides an be pass js, fields, p ants, syste elimination evaluation Points 5.00 5.00 10.00	to better understand the lectures and practice, reg sed within the teaching pro- polynomials, complex nu em of linear equations, v in and basic), Practical p (maximum 100 points) Final ex Written part of the examo- Theoretical part of the ex	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug cam	which follows nd group cons ng 2 modules ree vectors, a es, characteria h solving five Mandatory Yes	lectures sultations (the first analytical stic roots e serious Points 30.00
module geomet and vee problem Comput Lecture Test	try in space (v ctors. Theorem ns. Pre-examinater exercise at attendance	the course, w nctions, Boolea ector!); the se ical part is pa	ured theor hich is a lo an algebra cond mod ssed throu	y is deepened ogical unit, ca , groups, ring ule: determin ugh the test (Knowledge e Mandatory Yes Yes Yes Yes	d. Besides an be pass gs, fields, p ants, syste elimination evaluation Points 5.00 5.00 10.00	to better understand the lectures and practice, reg ed within the teaching proolynomials, complex nu em of linear equations, v n and basic), Practical p (maximum 100 points) Final ex Written part of the exam Theoretical part of the ex	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug cam	which follows nd group cons ng 2 modules ree vectors, a es, characteria h solving five Mandatory Yes Yes	lectures sultations (the firs: analytica stic roots e serious Points 30.00
module geomet and veo problem Comput Lecture Test Test	try in space (v ctors. Theorem ns. Pre-examinater exercise at attendance	the course, w nctions, Boolea ector!); the se ical part is pa ation obligation tendance	ured theor hich is a lean algebra cond mod ssed throu s	y is deepened ogical unit, ca , groups, ring ule: determin ugh the test (Knowledge e Mandatory Yes Yes Yes Yes	d. Besides an be pass js, fields, p ants, syste elimination evaluation Points 5.00 5.00 10.00 10.00 Litera Title	to better understand the lectures and practice, re- sed within the teaching pro- polynomials, complex nu- em of linear equations, v in and basic), Practical p (maximum 100 points) Final ex Written part of the exam Theoretical part of the ex ature	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug cam - tasks and theory am	which follows nd group cons ng 2 modules ree vectors, a es, characteria h solving five Mandatory Yes Yes	lectures sultations (the firs analytica stic roots e serious Points 30.00 40.00
module geomet and veo problen Comput Lecture Test Test Ord.	try in space (v ctors. Theorem ns. Pre-examinater exercise at eattendance	the course, w hotions, Boolea ector!); the se ical part is pa ation obligation tendance	eleme ic Zbirka 1985-	y is deepened ogical unit, ca , groups, ring ule: determin ugh the test (Knowledge e Mandatory Yes Yes Yes Yes Yes enti opšte i line a ispitnih zada	d. Besides an be pass js, fields, p ants, syste elimination evaluation Points 5.00 10.00 10.00 Litera Title earne alge	to better understand the lectures and practice, re- sed within the teaching pro- polynomials, complex nu- em of linear equations, v in and basic), Practical p (maximum 100 points) Final ex Written part of the exam Theoretical part of the ex ature	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug am tasks and theory am Publishe	which follows nd group cons ng 2 modules ree vectors, a es, characteria h solving five Mandatory Yes Yes	lectures sultations (the first analytica stic roots e serious Points 30.00 40.00
module geomet and vec problem Comput Lecture Test Test Ord. 1,	try in space (v ctors. Theorem ns. Pre-examinater exercise at eattendance	the course, w nctions, Boolea ector!); the se ical part is pa ation obligation tendance	Lied theor hich is a lie an algebra cond mod ssed throu s s Eleme ić Zbirka 1985-	y is deepened ogical unit, ca , groups, ring ule: determin ugh the test (Knowledge e Mandatory Yes Yes Yes Yes Yes enti opšte i lina a ispitnih zada 2006	d. Besides an be pass gs, fields, p ants, syste elimination evaluation Points 5.00 5.00 10.00 10.00 Litera Title earne alge itaka iz dis	to better understand the lectures and practice, reg ed within the teaching propolynomials, complex nu em of linear equations, v in and basic), Practical p (maximum 100 points) Final ex Written part of the exam Theoretical part of the ex ature	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f ector space, matrice art is passed throug cam - tasks and theory am Publishe ALFA-GRAF NS	which follows nd group cons ng 2 modules ree vectors, a es, characteria h solving five Mandatory Yes Yes	lectures sultations (the first analytical stic roots e serious Points 30.00 40.00 Year 2006



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course specification	
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Course:						_							
Course i	id:	E214		Progra	mming	g Languages an	d Data Struct	ures					
Number	of ECTS:	9											
Teacher	's:		Malbaški T.	Dušan, Popov	/ B. Srđan								
Course s	status:		Mandatory										
Number	of active teac	hing classe	es (weekly)										
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:				
	4	()	4		0 0							
Precond	lition courses			None		•							
1. Educational goal:													
Introducing students to principles and techniques of creating programme procedures with a special emphasis on data structures.													
2. Educational outcomes (acquired knowledge):													
Students should be trained to design programmes in a specific programme language.													
3. Cours	se content/stru	cture:											
Operatio algorithr	ons. Sequence	es. Selections.	ons. Cycles. Algorithm a	Jumps. Module	es. Files. /	ax.: BNF, EBNF and syta Algorithms and algorithm rogramming. Data structu	structures. Turing ma	chine. Mark	ov normal				
4. Teach	ning methods:												
Lectures examina points. In	s. Computer p ation. Pre-exa	m assignn s the exan	nent include nination, stud	two small pro	ojects (15	awarded during the lectu points each) and four te t 55 points. Students who	sts (10 points each)	which amou	ints to 70				
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examina	•	tions	Mandatory	Points	Final ex		Mandatory	Points				
Compute	er excersise d	efence		Yes	70.00	Theoretical part of the ex	am	Yes	30.00				
			i		Liter	ature							
Ord.	A	uthor			Title								
1,	Kraus L.		Prog	ramski jezik C	sa rešenii	m primerima	Mikro knjiga, Beograviše puta preštampa		1994				
2,	Malbaški D.,	Obradović	D. Osno	ovne strukture	podataka		Univerzitet u Novom Sadu		1995				
- ,	Malbaški D.			orana poglavlja	a metoda p	programiranja	Univerzitet u Novon	n Sadu	2005				
4,	Hotomski D.,		D. Matematička logika i principi programiranja Univerzitet u Novom Sadu 2003										



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	:											
Course	id:	EJ1Z			Englis	sh Language - E	lementary					
Numbe	r of ECTS:	3										
Teache	ers:		Bogdanović F. Jelisaveta		k M. Draga	ana, Katić M. Marina, Liče	en S. Branislava, Mirc	ović Đ. Ivana,	Šafranj			
Course	status:		Elective									
Numbe	r of active teac	hing classe	es (weekly)			_						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
	3	C)	0 0 0								
Precon	dition courses			None								
1. Educ	ational goal:			-								
	ing the basics ing the basics				on of Engli	sh sounds, acquisition of	vocabulary related	to everyday s	ituations,			
2. Educ	cational outcom	nes (acquire	ed knowledge):								
Student	ts are able to u	ise spoken	and written E	, nglish in simp	ole, everyd	lay situations.						
The use (person Presen everyda	e of articles, no nal and posses t Continuous, ay topics: intro	 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.							rm of the sentence.	Vocabulary r	elated to			
	hing methods:	oduction, fa c.			forms). C	Question and negative for	rm of the sentence.	Vocabulary r	elated to			
4. Teac Commu empha	hing methods:	oduction, fa c. od is used, on commu	mily, free tim since the objunication bet	e, work, food	o forms). G	Question and negative for	rm of the sentence. ription of everyday	Vocabulary r objects, desc h is very comp	elated to ription of			
4. Teac Commu empha	hing methods: unicative metho sis is placed	oduction, fa c. od is used, on commu	mily, free tim since the objunication bet	e, work, food ectives and co ween studer	forms). G I and beve ontents of nts and te	Question and negative for erages, naming and desc the course are aimed at t	rm of the sentence. ription of everyday	Vocabulary r objects, desc h is very comp	elated to ription of			
4. Teac Commu empha	hing methods: unicative metho sis is placed	oduction, fa c. od is used, on commu anguage s	mily, free tim since the obj unication bet skills.	e, work, food ectives and co ween studer	forms). C I and beve ontents of nts and te evaluation Points	Question and negative for erages, naming and desc the course are aimed at a eachers and students a (maximum 100 points) Final ex	rm of the sentence. cription of everyday communication which mong themselves, cam	Vocabulary r objects, desc h is very comp	elated to ription of			
4. Teac Commu empha develop Test	hing methods: unicative metho sis is placed pment of all I	oduction, fa c. od is used, on commu anguage s	mily, free tim since the obj unication bet skills.	e, work, food ectives and co ween studer Knowledge of	forms). C I and beve ontents of nts and te evaluation Points 10.00	Question and negative for erages, naming and desc the course are aimed at a eachers and students a (maximum 100 points)	rm of the sentence. cription of everyday communication which mong themselves, cam	Vocabulary n objects, desc h is very comp as well as b	elated to ription of plex. The palanced			
4. Teac Commu empha develop Test Test	hing methods: unicative metho sis is placed pment of all I	oduction, fa c. od is used, on commu anguage s	mily, free tim since the obj unication bet skills.	e, work, food ectives and co ween studer Knowledge of Mandatory Yes Yes	forms). C and beve ontents of nts and te evaluation Points 10.00 10.00	Question and negative for erages, naming and desc the course are aimed at a eachers and students a (maximum 100 points) Final ex	rm of the sentence. cription of everyday communication which mong themselves, cam	Vocabulary n objects, desc h is very comp as well as b Mandatory	elated to ription of plex. The palanced Points			
4. Teac Commu empha develop Test	hing methods: unicative metho sis is placed pment of all I	oduction, fa c. od is used, on commu anguage s	mily, free tim since the obj unication bet skills.	e, work, food ectives and co ween studer Knowledge e Mandatory Yes	forms). G and beve ontents of nts and te evaluation Points 10.00 10.00	Question and negative for erages, naming and desc the course are aimed at a eachers and students a (maximum 100 points) Final ex Written part of the exam	rm of the sentence. cription of everyday communication which mong themselves, cam	Vocabulary n objects, desc h is very comp as well as b Mandatory	elated to ription of plex. The palanced Points			
4. Teac Commu empha develop Test Test Test	hing methods: unicative methods sis is placed pment of all I Pre-examina	oduction, fa c. od is used, on commu anguage s ation obligat	mily, free tim since the obj unication bet skills.	e, work, food ectives and co ween studer Knowledge of Mandatory Yes Yes	forms). C I and beve ontents of nts and te evaluation Points 10.00 10.00 Liter	Question and negative for erages, naming and desc the course are aimed at eachers and students a (maximum 100 points) Final ex Written part of the exament ature	rm of the sentence. cription of everyday communication which mong themselves, cam tasks and theory	Vocabulary n objects, desc h is very comp as well as b Mandatory Yes	elated to ription of plex. The balanced Points 70.00			
4. Teac Commu empha develop Test Test Test Test Ord.	ching methods: unicative methods sis is placed pment of all I Pre-examina	oduction, fa c. od is used, on commu anguage s ation obligat	mily, free tim	e, work, food ectives and co ween studer Knowledge e Mandatory Yes Yes Yes	forms). C I and beve ontents of nts and te evaluation Points 10.00 10.00 Liter Title	Question and negative for erages, naming and desc the course are aimed at eachers and students a (maximum 100 points) Final ex Written part of the exament ature	rm of the sentence. rription of everyday of communication which mong themselves, cam • tasks and theory Publishe	Vocabulary n objects, desc h is very comp as well as b Mandatory Yes	elated to ription of plex. The balanced Points 70.00 Year			
4. Teac Commu empha develo Test Test Test Test Ord. 1,	ching methods: unicative methods sis is placed pment of all I Pre-examina Pre-examina	oduction, fa c. od is used, on commu anguage s ation obligat ation obligat	mily, free tim since the objunication bet skills.	e, work, food ectives and co ween studer Knowledge e Mandatory Yes Yes Yes Headway Eler	forms). G and beve ontents of nts and te evaluation Points 10.00 10.00 10.00 Liter Title mentary	Question and negative for erages, naming and desc the course are aimed at eachers and students a (maximum 100 points) Final ex Written part of the exament ature	rm of the sentence. rription of everyday of communication which mong themselves, am tasks and theory Publishe Oxford University P	Vocabulary n objects, desc h is very comp as well as b Mandatory Yes er Press	elated to ription of plex. The balanced Points 70.00 Year 2000			
4. Teac Commu empha develop Test Test Test Test Ord.	ching methods: unicative methods sis is placed pment of all I Pre-examina	oduction, fa c. od is used, on commu anguage s ation obligat ation obligat	mily, free tim since the objunication bet skills.	e, work, food ectives and co ween studer Knowledge e Mandatory Yes Yes Yes	forms). G and beve ontents of nts and te evaluation Points 10.00 10.00 10.00 Liter Title mentary	Question and negative for erages, naming and desc the course are aimed at eachers and students a (maximum 100 points) Final ex Written part of the exament ature	rm of the sentence. rription of everyday of communication which mong themselves, cam • tasks and theory Publishe	Vocabulary n objects, desc h is very comp as well as b Mandatory Yes er Press	elated to ription of plex. The balanced Points 70.00 Year			



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UNIVERSITY OF NOVI SAD

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



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	:										
Course	id:	EJ2Z		I	English	n Language – In	itermediate				
Number	r of ECTS:	3									
Teache	ers:		Bogdanović F. Jelisaveta	,	k M. Draga	ana, Katić M. Marina, Liče	en S. Branislava, Mirc	ović Đ. Ivana,	Šafranj		
Course	status:		Elective								
Number	r of active tead	hing classe	s (weekly)								
L	.ectures:	Practical	classes:	asses: Other teaching types: Study research work: Other classes							
	3	0	0 0 0								
Precon	dition courses		None								
1. Educ	ational goal:			-							
accorda knowled	ance with defi	nitions, clas lish langua	ssifications, f ge is expand	erms and no ed by includin	tions adop ig new voo	ng and control engineeri oted by contemporary Ec cabulary, compounds, use s area.	uropean and interna	itional standa	ards. The		
2. Educ	ational outcom	nes (acquire	d knowledge):							
Studen employ	•	ough know	ledge and s	kills to use p	rofessiona	al English in simple con	nmunication with cli	ents, collea	gues and		
3. Cour	se content/stru	ucture:									
	ction of texts f , passive.	rom profes	sional engin	eering areas.	Systema	tization of verb tenses,	conditional sentence	es, direct and	d indirect		
 4. Teaching methods: Teaching is done using communicative method of language learning. After a short introduction about a topic, the students read the tex and find new words in a dictionary. This is followed by a discussion about the topics mentioned in the text and the conclusions offered there. A part of the class is devoted to learning and practicing new vocabulary through oral and written exercises as well as to revision and expansion of knowledge related to certain grammar structures. Students are encouraged to communicate in English through group 											
Teachir and find there. A and exp	ng is done usir d new words ir A part of the cl	ng commun n a dictiona ass is devo wledge rela	ry. This is fo ted to learnii	llowed by a d	iscussion cing new v	about the topics mention ocabulary through oral a	ed in the text and th and written exercises	e conclusion as well as to	ns offered o revision		
Teachir and find there. A and exp	ng is done usir d new words in A part of the cl pansion of kno	ng commun n a dictiona ass is devo wledge rela	ry. This is fo ted to learnii	llowed by a d ng and praction n grammar st	iscussion cing new v ructures. S	about the topics mention ocabulary through oral a	ed in the text and th and written exercises	e conclusion as well as to	ns offered o revision		
Teachir and find there. A and exp	ng is done usir d new words in A part of the cl pansion of kno	ng commun n a dictiona ass is devo wledge rela work.	ry. This is fo ted to learnin ated to certai	llowed by a d ng and praction n grammar st	iscussion cing new v ructures. S	about the topics mention rocabulary through oral a Students are encouraged	ed in the text and th nd written exercises to communicate in I	e conclusion as well as to	ns offered o revision		
Teachir and find there. A and exp discuss	ng is done usin d new words in A part of the cl pansion of kno sions and pair	ng commun n a dictiona ass is devo wledge rela work.	ry. This is fo ted to learnin ated to certai	llowed by a d ng and praction n grammar st Knowledge e	iscussion cing new v ructures. S evaluation Points	about the topics mention rocabulary through oral a Students are encouraged (maximum 100 points)	ed in the text and th nd written exercises to communicate in I	e conclusion as well as to English throu	ns offered o revision ligh group		
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Teachir and find there. A and exp discuss	ng is done usin d new words in A part of the cl pansion of kno sions and pair	ng commun n a dictiona ass is devo wledge rela work.	ry. This is fo ted to learnin ated to certai	llowed by a d ng and praction n grammar st Knowledge e Mandatory Yes	iscussion cing new v ructures. S evaluation Points 10.00 10.00 10.00	about the topics mention vocabulary through oral a Students are encouraged (maximum 100 points) Final ex Written part of the exam Oral part of the exam	ed in the text and th nd written exercises to communicate in I	e conclusion as well as to English throu Mandatory Yes	Points 40.00		
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:	:										
Course	id:	E215				Physics					
Number	r of ECTS:	9									
Teacher	rs:	В	udinski-Pet	ković M. Ljub	a, Satarić	V. Miljko					
Course	status:	N	landatory								
Number	r of active tead	ching classes	(weekly)								
Le	ectures:	Practical cl	asses:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:		
	4	0		3		0		1			
Precond	dition courses		•	None			-				
1. Educa	ational goal:										
Provide	students with	basic knowle	dge about p	physics.							
2. Educa	ational outcon	nes (acquired	knowledge):							
Acquire equipme		will be used t	for understa	anding the pl	nysical pro	ocesses underlying the o	peration of compute	rs and other	technical		
3. Cours	se content/stru	ucture:									
and sec conduct physics.	cond principle tion, viscosity. . Schrödinger	e of thermody Wave moven equation and	namics. Pl nent, mecha d its applica	hase transition anical and electric tions. Fermi	ons. Maxi ectromagn – Dirac di	ohysics of plasmas.(fusio well and Boltzmann distr etic waves. Wave and ge stribution and its applica SERs and superconduct	ibution. Physical kin ometrical optics. Fun tion in seminconduct	netics. Diffus damentals of	ion, heat quantum		
Lecture example curriculu this ther	es to illustrate um. Computat re are regular	practice, cor the applicat ion practice is consultations.	tion of theor given to ch . Parts of th	ry and task s aracteristic ta e subject mat	solving. La asks, and tter which	In lecture classes the t aboratory practice covers deepening of knowledge presents a logical whole of the written part being elim	s experiments in the presented during the can be taken in the fo	fields covere lectures. In a	ed by the ddition to		
						(maximum 100 points)					
	Pre-examina	ation obligatio	ns	Mandatory	Points	Final ex	kam	Mandatory	Points		
Exercise	e attendance	<u> </u>		Yes		Final exam - part one		Yes	35.00		
Laborate	ory exercise d	efence		Yes	20.00	Final exam - part two		Yes	35.00		
Lecture	attendance			Yes	5.00						
					Liter	ature					
Ord.	A	Author			Title		Publishe		Year		
1,	-	linski-Petkovid					Fakultet tehničkih n Novom Sadu		2008		
2,	i druai	Cozmidis-Petro	^{ović} Zbirka	ı rešenih zada	ataka iz fiz	ike I deo	Fakultet tehničkih n Novom Sadu	auka u	2004		
3,	M. Satarić, L Luburić, Lj. E		Fakultet tehničkih nauka u								
5,	i dr. Lj. Budinski-						Novom Sadu	auka u	2005		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Control Control Number of ECTS: 9 Teachers: Bajović M. Vera, Durić M. Nikola, Pekarić-Nad M. Neda Course status: Mandatory Number of active teaching classes (weekly) Lectures: Lectures: Practical classes: Other teaching types: Study research work: Other classes None 1. Educational goal: Course objective is to teach students to solve simple electric circuits of direct current and time variable currents, as well as to coinspanda and basic physical parameters of the loads in such networks, resistance of resistors, inductance of coils and capacit capacitors. Also, the objective is to teach the students how to solve single phase circuits as well as simple balanced three-phase 2. Educational outcomes (acquired knowledge): Students who successfully complete the course are able to calculate capacitance of a simple homogeneous symmetric structicalculate resistance of homogeneous multilayer structures, to calculate inductance of simple structures with windings, to solve simple electric circuit of direct current, to calculate magnetic circuits with alternating currents and to calculate instantaneous, active, reactive and apparent power in single phase balanced three phase circuits. 3. Course content/structure: Electrostatic (Electric field strength vector, Gauss's law, Electric potential and voltage, Conductors in electrostatic field, Capacitar capacitors, Dielectrics in electrostatic field, Capacitar capacitors, bleetortis in electrostatic field, Capacitar capac				Course:						
Teachers: Bajović M. Vera, Durić M. Nikola, Pekarić-Nad M. Neda Course status: Mandatory Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other class 4 4 0 0 0 0 Precondition courses None 1 Educational goal: Course objective is to teach students to solve simple electric circuits of direct current and time variable currents, as well as to crimpedance and basic physical parameters of the loads in such networks, resistance of resistors, inductance of coils and capacit capacitors. Also, the objective is to teach the students how to solve single phase circuits as well as simple balanced three-phase calculate tassimple balanced three-phase calculate tassimation of mongeneous symmetric struct capacitance of a simple homogeneous symmetric struct calculate resistors, inductance of a colculate magnetic circuits with alternating currents and to calculate inductance of simple structures with windings, to solve simple electric circuits with alternating currents and to calculate inductance of simple structures in calculate magnetic inductance of the phase circuits. 3. Course content/structure: Electrostatic field strength vector, Gauss's law, Electric potential and voltage, Conductors in electrostatic field, Capacitar correst, content density vector and current intensity, Ohm's law and resistors, Joule's law, Scenerators, Maximu transfer, Power conservation theorem, Methods for circuit analysis, Superposition Theorem, Thevenin's and Norton's th Compensation theorem, Methods for	Fundamentals of Electrical Engineering	Func		E21	Course id:					
Course status: Mandatory Number of active teaching classes (weekly) 				9	lumber of ECTS:					
Number of active teaching classes (weekly) Other teaching types: Study research work: Other class 4 4 0 0 0 Precondition courses None 0 0 1. Educational goal: Course objective is to teach students to solve simple electric circuits of direct current and time variable currents, as well as to compedance and basic physical parameters of the loads in such networks, resistance of resistors, inductance of coils and capacit capacitors. Also, the objective is to teach the students how to solve single phase circuits as well as simple balanced three-phase 2. Educational outcomes (acquired knowledge): Students who successfully complete the course are able to calculate capacitance of a simple homogeneous symmetric structures into aclculate resistance of homogeneous multilayer structures, to solve simple electric circuit of with windings, to solve simple electric simple expression of the phase circuits with alternating currents and to calculate instantaneous, active, reactive and apparent power in single phasealanced three phase circuits. 3. Course content/tstructure: Electrostatic (field strength vector, Gauss's law, Electric potential and voltage. Conductors in electrostatic field, Capacitar carsefer, Power conservation theorem, Nethods for circuit analysis, Superposition Theorem, Therwin's and Norton's the Company conditions, Kapmetic circuits, Low Freuenis's and Norton's the Company conditions, Magnetic circuits, Low Freuenis's and Norton's the Company conditions, Magnetic circuits, Low Freuenis's and Norton's the Company conditions, Magnetic circuits, Low Freuenis's and Norton's the Company conditions, M	ajović M. Vera, Đurić M. Nikola, Pekarić-Nađ M. Neda	M. Vera, Đurić M. N	Bajović M		eachers:					
Lectures: Practical classes: Other teaching types: Study research work: Other class 4 4 0 0 0 Precondition courses None 0 0 1. Educational goal: Course objective is to teach students to solve simple electric circuits of direct current and time variable currents, as well as to car impedance and basic physical parameters of the loads in such networks, resistance of resistors, inductance of coils and capacit capacitors. Also, the objective is to teach the students how to solve simple phase circuits as well as simple balanced three-phase 2. Educational outcomes (acquired knowledge): Students who successfully complete the course are able to calculate capacitance of a simple homogeneous symmetric struct calculate resistance of homogeneous multilayer structures, to solve simple electric circuit of direct current, to calculate magnetic circuits with aitemating currents and to calculate instantaneous, active, reactive and apparent power in single phasea circuits. 3. Course content/structure: Electrostatic field strength vector, Gauss's law, Electric potential and voltage. Conductors in electrostatic field, Capacitar transfer, Power conservation theorem, Methods for circuit analysis, Superposition Theorem, Therewin's and Norton's the Company to the strength vector and current intensity. Ohm is law and resistors. Joule's law, Kirchnoff's Laws, Generators, Maximun transfer, Power conservation theorem, Methods for circuit analysis, Superposition Theorem, Therwin's and Norton's the Company to the strength vector and current is anall scincitis, superposition Theorem, Thevenin's and Norton's th	landatory	ory	Mandator		Course status:					
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Course objective is to teach students to solve simple electric circuits of direct current and time variable currents, as well as to consider and basic physical parameters of the loads in such networks, resistance of resistors, inductance of coils and capacitic capacitors. Also, the objective is to teach the students how to solve single phase circuits as well as simple balanced three-phase 2. Educational outcomes (acquired knowledge): Students who successfully complete the course are able to calculate capacitance of a simple homogeneous symmetric structures, to solve simple electric circuit of direct current, to calculate magnetic circuits with alternating currents and to calculate instantaneous, active, reactive and apparent power in single phabalanced three phase circuits with alternating currents and to calculate instantaneous, active, reactive and apparent power in single phabalanced three phase circuits. 3. Course content/structure: Electrostatics (Electric field strength vector, Gauss's law, Electric potential and voltage, Conductors in electrostatic field, Capacitar capacitors, Dielectrics in electrostatic field, Soundary conditions, Energy and forces une, Knechhoffs Laws, Generators, Maximun transfer, Power conservation theorem, Methods for circuit analysis, Superposition Theorem, Thevenin's and Norton's th Compensation theorem, Dc magnetic field (Magnetic flux density vector, Bio-Savart Law, Magnetic flux, Angree's Law, Ferrom materials, Magnetic properties of materials, Boundary conditions, Magnetic circuits). Low frequency time harmonic electroargane flucturane and torces in magnetic field. Electric tor of and proximity effect, Self inductance and cardiva to cardiva three phase systems) . 1 	None	!	ses	Precondition course						
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calculate resistance of homogeneous multilayer structures, to solve simple electric circuit of direct current, to calculate magnetic circuits with alternating currents and to calculate instantaneous, active, reactive and apparent power in single phalanced three phase circuits. 3. Course content/structure: Electrostatics (Electric field strength vector, Gauss's law, Electric potential and voltage, Conductors in electrostatic field). Capacitar capacitors, Dielectrics in electrostatic field, Boundary conditions, Energy and forces in electrostatic field). Electric circuits of DC current (Cirruent density vector and current intensity, Ohn's law and resistors, Joule's law, Kirchhoff's Laws, Generators, Maximun transfer, Power conservation theorem, Methods for circuit analysis, Superposition Theorem, Thevenin's and Norton's th Compensation theorem), DC magnetic field (Magnetic flux density vector, Slot-Savart Law, Magnetic flux, Ampere's Law, Ferrom materials, Magnetic route), Electric structures, Skin effect and proximity effect, Self inductance and inductance, Circuit analysis in complex domain, Complex power, Maximum average power transfer, Power factor cor Simple resonant circuits, Magnetically coupled circuits, Balanced three-phase systems). 4. Teaching methods: The teaching process consists of lectures, problem solving and lab work, with occasional video presentations. The inductive meapnetic leader leadereader leadereader leader leader leader leader leader leader leade	knowledge):	edge):	uired knowled	comes (. Educational outc					
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capacitors, Dielectrics in electrostatic field, Boundary conditions, Energy and forces in electrostatic field). Electric circuits of DC current, (Current density vector and current intensity, Ohm's law and resistors, Joule's law, Kirchhoff's Laws, Generators, Maximun transfer, Power conservation theorem, Methods for circuit analysis, Superposition Theorem, Thevenin's and Norton's th Compensation theorem), DC magnetic field (Magnetic flux density vector, Biot-Savart Law, Magnetic flux, Ampere's Law, Ferrom materials, Magnetic properties of materials, Boundary conditions, Magnetic circuits). Low frequency time harmonic electromagnet (Electromagnetic induction, Faraday's Law, Lentz's Law, Eddy currents, Skin effect and proximity effect, Self inductance and inductance, Transformers, Energy and forces in magnetic field). Electric circuits of AC-alternating current (Simple sinusoidal circuits, Impedance, Circuit analysis in complex domain, Complex power, Maximum average power transfer, Power factor cor Simple resonant circuits, Magnetically coupled circuits, Balanced three-phase systems) . 4. Teaching methods: The teaching process consists of lectures, problem solving and lab work, with occasional video presentations. The inductive me applied. The students' knowledge grows gradually, trough many simple problems solving. Test Yes 10.00 Test Yes 10.00 Tes				/structur	. Course content/s					
The teaching process consists of lectures, problem solving and lab work, with occasional video presentations. The inductive mapplied. The students' knowledge grows gradually, trough many simple problems solving. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Yes Test Yes 10.00 Written part of the exam - tasks and theory Yes Yes Test Yes 10.00 Externation Yes Yes Yes Test Yes 10.00 Externation Yes Yes Yes Cord. Author Yes 10.00 Final exam Publisher Yes 1, Neda Pekarić – Nađ, Dejana Osnovi elektrotehnike za računarstvo FTN, Novi Sad 2	Electrostatics (Electric field strength vector, Gauss's law, Electric potential and voltage, Conductors in electrostatic field, Capacitance and capacitors, Dielectrics in electrostatic field, Boundary conditions, Energy and forces in electrostatic field). Electric circuits of DC- direct current, (Current density vector and current intensity, Ohm's law and resistors, Joule's law, Kirchhoff's Laws, Generators, Maximum power transfer, Power conservation theorem, Methods for circuit analysis, Superposition Theorem, Thevenin's and Norton's theorem Compensation theorem), DC magnetic field (Magnetic flux density vector, Biot-Savart Law, Magnetic flux, Ampere's Law, Ferromagnetic field (Electromagnetic induction, Faraday's Law, Lentz's Law, Eddy currents, Skin effect and proximity effect, Self inductance and mutua inductance, Transformers, Energy and forces in magnetic field). Electric circuits of AC-alternating current (Simple sinusoidal current)									
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Test Yes 10.00 Test Yes 10.00 Literature Ord. Author Title Publisher 1, Neda Pekarić – Nađ, Dejana Herceg Osnovi elektrotehnike za računarstvo FTN, Novi Sad 2	d current intensity, Ohm's law and resistors, Joule's law, Kirchhoff's Laws, Generators, Maxia eorem, Methods for circuit analysis, Superposition Theorem, Thevenin's and Norton' hetic field (Magnetic flux density vector, Biot-Savart Law, Magnetic flux, Ampere's Law, Fer naterials, Boundary conditions, Magnetic circuits). Low frequency time harmonic electroma lay's Law, Lentz's Law, Eddy currents, Skin effect and proximity effect, Self inductance a and forces in magnetic field). Electric circuits of AC-alternating current (Simple sinusoi sis in complex domain, Complex power, Maximum average power transfer, Power factor cally coupled circuits, Balanced three-phase systems).	d, Boundary condit ti tintensity, Ohm's la Methods for circu- ld (Magnetic flux de ls, Boundary condit aw, Lentz's Law, E- orces in magnetic f complex domain, C- pupled circuits, Bala s, problem solving a gradually, trough m Knowledge ev	trostatic field or and current n theorem, I magnetic field s of materials Faraday's Law hergy and for analysis in co gnetically cou s of lectures, edge grows g	ctrics in of density v conserv eorem), l tic prope inductio sformers noce, Circ circuits, ods: cess cor eents' kno	apacitors, Dielect urrent, (Current de ransfer, Power ca compensation the naterials, Magnetii Electromagnetic in nductance, Transf ircuits, Impedanc imple resonant ci . Teaching method the teaching proce pplied. The stude					
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Ord. Author Title Publisher 1, Neda Pekarić – Nađ, Dejana Herceg Osnovi elektrotehnike za računarstvo FTN, Novi Sad 2	d current intensity, Ohm's law and resistors, Joule's law, Kirchhoff's Laws, Generators, Maxia eorem, Methods for circuit analysis, Superposition Theorem, Thevenin's and Norton' netic field (Magnetic flux density vector, Biot-Savart Law, Magnetic flux, Ampere's Law, Fer- naterials, Boundary conditions, Magnetic circuits). Low frequency time harmonic electroma lay's Law, Lentz's Law, Eddy currents, Skin effect and proximity effect, Self inductance a d forces in magnetic field). Electric circuits of AC-alternating current (Simple sinusoi sis in complex domain, Complex power, Maximum average power transfer, Power factor cally coupled circuits, Balanced three-phase systems) . ectures, problem solving and lab work, with occasional video presentations. The inductive grows gradually, trough many simple problems solving. Knowledge evaluation (maximum 100 points) ns Mandatory Points Final exam Mandator Yes 10.00 Written part of the exam - tasks and theory Yes	d, Boundary condit the intensity, Ohm's la Methods for circu- ld (Magnetic flux de ls, Boundary condit aw, Lentz's Law, E- proces in magnetic f complex domain, C pupled circuits, Bala s, problem solving a gradually, trough m Knowledge ev Mandatory Yes	trostatic field or and current n theorem, I magnetic field s of materials Faraday's Law hergy and for analysis in co gnetically cou s of lectures, edge grows g	ctrics in of density v conserv eorem), l tic prope inductio sformers noce, Circ circuits, ods: cess cor eents' kno	apacitors, Dielect urrent, (Current de ransfer, Power co compensation theo naterials, Magnetic Electromagnetic i inductance, Transf ircuits, Impedanc simple resonant co The teaching method The teaching proce pplied. The stude Pre-exam					
Ord. Author Title Publisher 1, Neda Pekarić – Nađ, Dejana Herceg Osnovi elektrotehnike za računarstvo FTN, Novi Sad 2	d current intensity, Ohm's law and resistors, Joule's law, Kirchhoff's Laws, Generators, Maxia eorem, Methods for circuit analysis, Superposition Theorem, Thevenin's and Norton' hetic field (Magnetic flux density vector, Biot-Savart Law, Magnetic flux, Ampere's Law, Fer- naterials, Boundary conditions, Magnetic circuits). Low frequency time harmonic electroma lay's Law, Lentz's Law, Eddy currents, Skin effect and proximity effect, Self inductance is and forces in magnetic field). Electric circuits of AC-alternating current (Simple sinusoi rsis in complex domain, Complex power, Maximum average power transfer, Power factor cally coupled circuits, Balanced three-phase systems) . ectures, problem solving and lab work, with occasional video presentations. The inductive grows gradually, trough many simple problems solving. Knowledge evaluation (maximum 100 points) ns Mandatory Points Final exam Mandator Yes 10.00 Written part of the exam - tasks and theory Yes Yes 10.00	d, Boundary condit the intensity, Ohm's la Methods for circu- ld (Magnetic flux de ls, Boundary condit aw, Lentz's Law, E- forces in magnetic f complex domain, C bupled circuits, Bala s, problem solving a gradually, trough m Knowledge ev Mandatory Yes Yes	trostatic field or and current n theorem, I magnetic field s of materials Faraday's Law hergy and for analysis in co gnetically cou s of lectures, edge grows g	ctrics in of density v conserv eorem), l tic prope inductio sformers noce, Circ circuits, ods: cess cor eents' kno	apacitors, Dielect urrent, (Current de ransfer, Power co compensation theo haterials, Magnetic Electromagnetic in ductance, Transf ircuits, Impedance Simple resonant ci the teaching proce pied. The stude Pre-exame rest					
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2, Neda Pekarić-Nađ, Vera Zbirka rešenih ispitnih zadataka iz osnova elektrotehnike Građevinska knjiga, Beograd 1	d current intensity, Ohm's law and resistors, Joule's law, Kirchhoff's Laws, Generators, Maxia eorem, Methods for circuit analysis, Superposition Theorem, Thevenin's and Norton' hetic field (Magnetic flux density vector, Biot-Savart Law, Magnetic flux, Ampere's Law, Fer- naterials, Boundary conditions, Magnetic circuits). Low frequency time harmonic electroma lay's Law, Lentz's Law, Eddy currents, Skin effect and proximity effect, Self inductance of and forces in magnetic field). Electric circuits of AC-alternating current (Simple sinusoi sis in complex domain, Complex power, Maximum average power transfer, Power factor cally coupled circuits, Balanced three-phase systems) . ectures, problem solving and lab work, with occasional video presentations. The inductive grows gradually, trough many simple problems solving. Knowledge evaluation (maximum 100 points) ns Mandatory Points Final exam Mandator Yes 10.00 Yes 10.00 Yes 10.00 Literature Title Publisher	d, Boundary condit the intensity, Ohm's la Methods for circu- ld (Magnetic flux de ls, Boundary condit aw, Lentz's Law, E- borces in magnetic f complex domain, C- boupled circuits, Bala s, problem solving a gradually, trough m Knowledge ev Mandatory Yes Yes Yes	trostatic field or and current n theorem, I magnetic field s of materials Faraday's Law hergy and for analysis in cc gnetically cou s of lectures, edge grows g gations	etrics in of lensity v conserv eorem), l tic prope inductio sformers coe, Circ circuits, ods: cess cor ents' kno mination	apacitors, Dielect urrent, (Current de ransfer, Power ca compensation theo naterials, Magnetic Electromagnetic i inductance, Transt ircuits, Impedand Simple resonant ci Teaching method The teaching proce pplied. The stude Pre-exam Test Test Test Test Test					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:											
Course id:		E217			С	computer Archite	ecture				
Number of I	CTS:	9									
Teachers:			Hajdukovi	ć P. Miroslav, Ži	vanov S. Ż	Žarko					
Course stat	JS:		Mandatory	1							
Number of a	active teac	hing classe	es (weekly)								
Lectu	res:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:		
4		(0 4 0 0								
Precondition	n courses										
1. Educatio	nal goal:										
				operation, arch		f its commands, organiza	tion and implementa	tion of compu	ter. They		
2. Education	nal outcom	es (acquire	ed knowled	ge):							
Beginner's l	evel knowl	ledge of co	mputer arc	hitecture and of	assemble	r programming.					
3. Course c	ontent/stru	cture:									
assembler machine in processor, memory hi	orogrammi structions, inker, louc erarchy: r	ing (subrpi processoi der, debug main, peri	ogram, ma organizati ger, operat pheral, as	icro, stack). Prir on, input-outpu ing system), Ev sociative, cach	nciples of t devices, volution of ne and vi	presentation. Architecture computer organization (bus, interrupts). System computer architecture (rtual memory, input-ou vel of instruction rows	memory, processor, programs (editor, a CISC, RISC, scalar a tput devices, bus,	coding and for assembler, ma and vector pro	ormats of acro pre- ocessors;		
4. Teaching	methods:										
Lectures, co	omputer pr					nclude four tests and one obtaining a signature is 3		e final examina	ation test		
				Knowledge e	evaluation	(maximum 100 points)					
	e-examina	ition obliga	tions	Mandatory	Points	Final ex		Mandatory	Points		
Project				Yes		Theoretical part of the ex	am	Yes	30.00		
Test				Yes	10.00						
Test				Yes	10.00						
Test Test				Yes	10.00 10.00						
1651				Yes		aturo					
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Ord. 1. M.		uthor ć, Ž. Živan	0. 4-6	italitura ražurar	Title		Publishe		Year		
I, M.	пајцикоч	u, Z. Zivan	ov Arn	nektura racunar	a - pregiec	d principa i evolucije	FTN Izdavaštvo, No	UVI Sau	2013		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	:					- 1 1			
Course	id:	EJ2L		ł	nglisi	n Language – Ir	itermediate		
Number	r of ECTS:	3							
Teache	ers:		Bogdanović F. Jelisaveta		k M. Draga	ana, Katić M. Marina, Liče	en S. Branislava, Mirc	ović Đ. Ivana,	Šafranj
Course	status:		Elective						
Number	r of active teac	hing classe	s (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	3	0		0		0		0	
Precon	dition courses								
1. Educ	cational goal:								
knowled syntax s	dge of the Eng structures char	lish langua racteristic o	ge is expande f English for	ed by includin specific purpo	ig new voo	pted by contemporary E cabulary, compounds, us s area.			
2. Educ	cational outcom	nes (acquire	ed knowledge):					
Studen employ		ough know	ledge and s	kills to use p	rofession	al English in simple cor	nmunication with cli	ents, colleag	jues an
3. Cour	rse content/stru	icture:							
	ction of texts find, passive.	rom profes	sional engin	eering areas.	Systema	tization of verb tenses,	conditional sentence	es, direct and	d indirec
4. Teac	ching methods:								
				nd of languag	o loorning				
and find there. A and exp	d new words ir A part of the cla	n a dictiona ass is devo wledge rela	ry. This is fo ted to learnir	llowed by a d	iscussion	 After a short introduction about the topics mentior vocabulary through oral a Students are encouraged 	and written exercises	e conclusion as well as to	s offere revisio
and find there. A and exp	d new words ir A part of the cla pansion of kno	n a dictiona ass is devo wledge rela	ry. This is fo ted to learnir	llowed by a d ng and praction n grammar st	iscussion cing new v ructures.	about the topics mentior vocabulary through oral a	ned in the text and th and written exercises	e conclusion as well as to	s offere revisio
and find there. A and exp	d new words ir A part of the cla pansion of kno	n a dictiona ass is devo wledge rela work.	ry. This is fo ted to learnir ated to certain	llowed by a d ng and praction n grammar st	iscussion cing new v ructures. evaluation Points	about the topics mentior vocabulary through oral a Students are encouraged (maximum 100 points) Final ex	ned in the text and th and written exercises to communicate in t kam	e conclusion as well as to	s offere o revisio gh grou
and find there. A and exp discuss Test	d new words ir A part of the cla pansion of kno sions and pair v	n a dictiona ass is devo wledge rela work.	ry. This is fo ted to learnir ated to certain	llowed by a d ng and praction n grammar st Knowledge e	iscussion cing new v ructures. evaluation Points 10.00	about the topics mentior vocabulary through oral a Students are encouraged (maximum 100 points) Final ex Written part of the exam	ned in the text and th and written exercises to communicate in t kam	e conclusion as well as to English throu	s offere o revisio gh grou Points
and find there. A and exp discuss Test Test	d new words ir A part of the cla pansion of kno sions and pair v	n a dictiona ass is devo wledge rela work.	ry. This is fo ted to learnir ated to certain	llowed by a d ng and praction n grammar st Knowledge e Mandatory Yes Yes	iscussion cing new v ructures. evaluation Points 10.00 10.00	about the topics mentior vocabulary through oral a Students are encouraged (maximum 100 points) Final ex	ned in the text and th and written exercises to communicate in t kam	e conclusion as well as to English throu Mandatory	s offere o revisio gh grou Points 40.0
and find there. A and exp discuss Test Test	d new words ir A part of the cla pansion of kno sions and pair v	n a dictiona ass is devo wledge rela work.	ry. This is fo ted to learnir ated to certain	llowed by a d ng and praction n grammar st Knowledge e Mandatory Yes	iscussion cing new v ructures. evaluation Points 10.00	about the topics mentior vocabulary through oral a Students are encouraged (maximum 100 points) Final ex Written part of the exam	ned in the text and th and written exercises to communicate in t kam	e conclusion as well as to English throu Mandatory Yes	s offere o revisio gh grou Points 40.0
and find there. A and exp discuss Test Test Test	d new words ir A part of the cla pansion of kno sions and pair v	n a dictiona ass is devo wledge rela work.	ry. This is fo ted to learnir ated to certain	llowed by a d ng and praction n grammar st Knowledge e Mandatory Yes Yes	iscussion cing new v ructures. evaluation Points 10.00 10.00 10.00	about the topics mentior vocabulary through oral a Students are encouraged (maximum 100 points) Final ex Written part of the exam	ned in the text and th and written exercises to communicate in t kam	e conclusion as well as to English throu Mandatory Yes	s offere o revisio gh grou Points 40.0
and find there. A and exp discuss Test Test	d new words ir A part of the cla pansion of kno sions and pair v Pre-examina	n a dictiona ass is devo wledge rela work. tion obligat	ry. This is fo ted to learnir ated to certain ions	llowed by a d ng and praction n grammar st Knowledge e Mandatory Yes Yes	iscussion cing new v ructures. evaluation Points 10.00 10.00 10.00	about the topics mentior vocabulary through oral a Students are encouraged (maximum 100 points) Final ex Written part of the exam Oral part of the exam ature	ned in the text and th and written exercises to communicate in t kam	e conclusion as well as to English throu Mandatory Yes Yes	s offere o revisio gh grou Points 40.0 30.0
and find there. A and exp discuss Test Test Test	d new words ir A part of the cla pansion of kno sions and pair v Pre-examina	n a dictiona ass is devo wledge rela work. tion obligat	ry. This is fo ted to learnir ated to certain ions	llowed by a d ng and praction n grammar st Knowledge e Mandatory Yes Yes	iscussion cing new v ructures. Points 10.00 10.00 Liter Title	about the topics mentior vocabulary through oral a Students are encouraged (maximum 100 points) Final ex Written part of the exam Oral part of the exam ature	hed in the text and th and written exercises to communicate in I kam - tasks and theory	e conclusion as well as to English throu Mandatory Yes Yes	s offere o revisio gh grou Points 40.0 30.0 Year
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and find there. A and exp discuss Test Test Test Ord. 1,	d new words ir A part of the cla pansion of kno sions and pair w Pre-examina Pre-examina Eric H. Glenc McEwan	a dictiona ass is devo wledge rela work. tion obligat uthor dinning, Joh Soars	ry. This is fo ted to learnir ated to certain ions ions in Basic Englis	llowed by a d ng and praction n grammar st Knowledge e Mandatory Yes Yes Yes English for C	iscussion cing new v ructures. evaluation Points 10.00 10.00 Liter Title omputing ure	about the topics mentior vocabulary through oral a Students are encouraged (maximum 100 points) Final ex Written part of the exam Oral part of the exam ature	eed in the text and th and written exercises to communicate in l cam - tasks and theory Publishe Oxford University P	e conclusion as well as to English throu Mandatory Yes Yes er ress, Oxford grad	s offere o revisio gh grou Points 40.0 30.0 Year 2003



UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	:								
Course	id:	EJ3L	1		Engli	sh Language – J	Advanced		
Numbe	r of ECTS:	3	1						
Teache	ers:		Bogdanov F. Jelisav		k M. Drag	ana, Katić M. Marina, Liče	en S. Branislava, Mir	ović Đ. Ivana,	Šafranj
Course	status:		Elective						
Numbe	r of active teac	hing classe	es (weekly))					
L	.ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:
	3	(0	0		0		0	
Precon	dition courses								
1. Educ	ational goal:								
for unde	erstanding fore study. Develo	ign langua	age texts. A	bility to read an	d understa	rposes related to student and original English texts to these topics using add	related to various as	spects and are	eas in the
2. Educ	ational outcom	nes (acquir	ed knowled	lge):					
						ey can use professional lit haracteristic of their future		nd communic	ate abou
3. Cour	se content/stru	icture:							
strategi etc. Ma	ies for underst stering most fr	anding ES	P texts su	ch as: skimming	, scanning	pects and topics related g, comparing sources, us			
	tions. Passive	nd function,	, describing	components, ca	ause and o	ion. Acquiring language fu effect relations, etc. Most d relative clauses (active	unctions such as con frequent prefixes, su	nparison, clas Iffixes, compo	sification ounds and
collocat and pas	tions. Passive	d function, constructio	, describing	components, ca	ause and o	ion. Acquiring language for effect relations, etc. Most	unctions such as con frequent prefixes, su	nparison, clas Iffixes, compo	sification ounds and
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collocat and pas 4. Teac Emphas languag other ch	tions. Passive ssive). hing methods: sis is on stude ge learning. Ex haracteristic el	ents' commercises are ements of	, describing ons, particip nunicating e designed ESP. Som	among themsel in such a way as e of the exercise explanations wh	ause and o s. Reduced ves and w s to aid ar es are pur nich provid	ion. Acquiring language fu effect relations, etc. Most d relative clauses (active with the teacher. Teachin id check text comprehens posefully designed to end	inctions such as con frequent prefixes, su and passive), reduce g is done using corr ion and to practice s courage students to	nparison, clas ffixes, compo ed time clause municative n suitable vocab	sification ounds and es (active nethod o oulary and
collocat and pas 4. Teac Emphas languag other ch	tions. Passive ssive). shing methods: sis is on stude ge learning. Ex haracteristic el	ents' commercises are ements of make commercises are	, describing ons, particip nunicating e designed ESP. Som ments and	among themsel in such a way as e of the exercise explanations wh	ause and o s. Reduced ves and w s to aid ar es are pur nich provid	ion. Acquiring language fu effect relations, etc. Most d relative clauses (active with the teacher. Teachin id check text comprehens posefully designed to end le additional language pr	g is done using corr ion and to practice s courage students to actice.	nparison, clas ffixes, compo ed time clause municative n suitable vocab	nethod o wledge o
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collocat and pas 4. Teac Emphas languag other ct the sub Test	tions. Passive ssive). hing methods: sis is on stude ge learning. Ex haracteristic el ject area and i	ents' commercises are ements of make commercises are	, describing ons, particip nunicating e designed ESP. Som ments and	among themsel- in such a way as e of the exercise explanations wh Knowledge e Mandatory Yes	ves and wes and wes and wes and wes and wes and wes at a more and the set of	ion. Acquiring language fi effect relations, etc. Most d relative clauses (active vith the teacher. Teachin d check text comprehens posefully designed to end te additional language pro- (maximum 100 points) Final ex Written part of the exam Oral part of the exam	g is done using corr ion and to practice s courage students to actice.	nparison, clas ffixes, compo ed time clause nmunicative n suitable vocab use their know Mandatory Yes	nethod o ulary and Points 40.00
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collocat and pas 4. Teac Emphas languag other ch the sub Test Test	tions. Passive ssive). hing methods: sis is on stude ge learning. Ex haracteristic el ject area and i Pre-examina	ents' commercises are ements of make commercises are enternated of the second structure of the second	, describing ons, particip nunicating e designed ESP. Som ments and	among themsel- in such a way as e of the exercise explanations wh Knowledge e Mandatory Yes Yes	ves and wes and wes and wes and wes and wes and wes at a more and the set of	ion. Acquiring language fi effect relations, etc. Most d relative clauses (active with the teacher. Teachin id check text comprehens posefully designed to end e additional language pro- (maximum 100 points) Final exam Written part of the exam Oral part of the exam ature	g is done using corr ion and to practice s courage students to actice.	nparison, clas ffixes, compo ed time clause nmunicative n suitable vocab use their know Mandatory Yes Yes	nethod o wledge o Points 40.00
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course	:				-	_			
Course	id:	NJ1L			Germa	an Language - E	Elementary		
Numbe	r of ECTS:	3							
Teache	ers:	Ве	rić B. And	rijana, Jović E	D. Miomira	1			
Course	status:	Ele	ective						
Numbe	r of active tead	hing classes (veekly)						
L	ectures:	Practical cla	sses:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	3	0		0		0		0	
Precon	dition courses	courses None							
1. Educ	cational goal:			-					
		of the Germar of German mo			ion, spelli	ng, acquisition of vocabu	lary related to simple	e, everyday s	ituations,
2. Educ	cational outcon	nes (acquired k	nowledge):					
Student	ts are able to ι	ise spoken and	l written G	erman in sim	ple, every	day situations.			
3. Cour	se content/stru	ucture:							
related descrip perfect, demons	to everyday otion of people , reflexive verb strative prono	topics: introdu and places, un s, cases, use	ction, fam nderstand of definite pronouns	nily, free time ing directions and indefinite	e, work, fo , introduc e article, r	unciation and spelling rul ood and beverages, nan tion to German culture, e negation, interrogative sen tive, comparison of adje	ning and description etc. Theoretical part on tences, statements,	of everyday of the course: possessive p	objects present ronouns
4 Teac	hing methods:								
	Ū		od and st	udente' activit	v in class	. Interaction between stud	ents is encouraged in	o communicat	ion
Спрпа					.y 111 Class.			rcommunicat	1011.
				Knowledge e	evaluation	(maximum 100 points)		I	
	Pre-examina	ation obligation	s	Mandatory	Points	Final ex		Mandatory	Points
Test				Yes		Written part of the exam	- tasks and theory	Yes	35.00
Test				Yes		Oral part of the exam		Yes	35.00
Test				Yes	10.00	1			
	1					ature			
Ord.	-	Author			Title	;	Publishe	er	
		, Bock, Gerde							Year



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	:														
Course	id:	E232			Syster	n Modeling and	Simulation								
Numbe	r of ECTS:	8													
Teache	ers:	Ī	Erdeljan M.	Aleksandar, Č	apko Lj. D	Darko, Vukmirović M. Srđa	in								
Course	status:		Mandatory												
Numbe	r of active tea	ching classe	s (weekly)												
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:						
	4	0		3		0		1							
Precon	dition courses	3 													
1. Educ	ational goal:														
Masteri	ing theoretical	and practica	al basics of s	ystem modelir	ng and sin	nulation.									
2. Educ	cational outcor	nes (acquire	d knowledge):											
	ed knowledge sional course		ed in solving	g specific eng	gineering	problems, and also pre-	sent a basis for furt	ther understa	anding of						
3. Cour	se content/str	ucture:													
Analogi Simulat System	ies between s tion language i identification	size and para s. Simulation . Parameter	ameters. Ele n on digital c	ctromechanic omputer (Mat	al analogi :lab/Simul	Place and role of modelling and simulation, practical applications. Theory of modelling and simulation. Mathematical models of tim 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 compute Simulation languages. Simulation on digital computer (Matlab/Simulink); Mathematical and simulation models of time discrete systems System identification. Parameter 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 mu successfully complete at least 50% of each task. The course material can be divided into two colloquia. The oral part of the examination based on a list of examination questions. The colloquia, tests and examination are written. The written part is eliminating. The final grad															
success based o	sfully complete on a list of exa	written and o e at least 50° amination qu	oral. The write % of each tagestions. The	tten part cons sk. The course colloquia, tes	sists of at e material sts and ex	least four tasks, in order can be divided into two c	to pass the examin olloquia. The oral par written part is elimi	rt of the exam	ination is						
success based o	sfully complete on a list of exa	written and o e at least 50° amination qu	oral. The write % of each tagestions. The	tten part cons sk. The course colloquia, tes assignments	sists of at e material sts and ex , written a	least four tasks, in order can be divided into two c amination are written. The	to pass the examin olloquia. The oral par written part is elimi	rt of the exam	ination is						
success based o	sfully complete on a list of exa ed on the basi	written and o e at least 50° amination qu	oral. The writ % of each tas estions. The a, homework	tten part cons sk. The course colloquia, tes assignments	sists of at e material sts and ex , written a	least four tasks, in order can be divided into two c amination are written. The nd oral part of the examin	to pass the examin olloquia. The oral par e written part is elimi ation.	rt of the exam	ination is						
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success based of is forme Comple Comple	sfully complete on a list of exa ed on the basi Pre-examin ex exercises ex exercises ex exercises ex exercises	written and o e at least 50 amination qu is of colloqui	oral. The writ % of each tas estions. The a, homework	tten part cons sk. The course colloquia, tes assignments Knowledge e Mandatory Yes Yes Yes	sists of at e material sts and ex , written a evaluation Points 5.00 5.00 5.00	least four tasks, in order can be divided into two c amination are written. The nd oral part of the examir (maximum 100 points) Final ex Coloquium exam Coloquium exam Oral part of the exam	to pass the examin olloquia. The oral par e written part is elimi ation.	rt of the exam nating. The fir Mandatory No No Yes	Points 20.00 30.00						
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success based of is forme Comple Comple Comple Test Ord.	sfully complete on a list of exa ed on the basi Pre-examin ex exercises ex exercises ex exercises ex exercises	written and c e at least 50° amination qu s of colloquia ation obligat	oral. The writ % of each tas estions. The a, homework ions	tten part cons sk. The course colloquia, tes assignments Knowledge e Mandatory Yes Yes Yes Yes Yes Yes	sists of at e material sts and ex , written a evaluation Points 5.00 5.00 5.00 5.00 0.00 10.00 Liter Title	least four tasks, in order can be divided into two c amination are written. The nd oral part of the examin (maximum 100 points) Final ex Coloquium exam Coloquium exam Oral part of the exam Practical part of the exam ature	to pass the examin olloquia. The oral par e written part is elimi ation.	rt of the exam nating. The fin Mandatory No No Yes Yes	Points 20.00 20.00 40.00 Year						
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:	:								
Course	id:	E221A			M	athematical Ana	alysis 2		
Number	r of ECTS:	8							
Teache	rs:		Stojaković	M. Mila, Adžić 2	Z. Nevenk	a, Lukić J. Tibor, Pantovi	ć B. Jovanka		
Course	status:		Mandatory	,					
Number	r of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	4	3	3	0		0		1	
Precond	dition courses	•		None					
1. Educ	ational goal:								
variable	es, complex ar	nalysis, Fo	urrier and L	aplace transfo	rms)Abilit	of mathematical analysis y of abstract thinking and ariables, complex analys	d acquiring basic kn	owledge in th	e field of
2. Educ	ational outcom	nes (acquire	ed knowledg	ge):					
						ne field of mathematical a s) in further education ar			ictions of
3. Cours	se content/stru	icture:							
Comple singular	x analysis-bas	sic terms re	elated to cor	nplex function of	of a comp	uences and series, pow ex variable, integral, Cau urrier series and transfor	ichy's theorem and fo	ormula, Laure	nt series,
4. Teac	hing methods:								
typical e lectures whole, o integral	examples for b s is deepened. can be passed	etter unde Besides lo d during th veral varia	rstanding. In ectures and e teaching bles, the th	n practice, whic practice, cons process in the	h accomp ultations a form of th	combined. In lectures, the anies lectures, typical pro- are held on a regular base of following 4 modules (the following 4 modules) (the fourth module) is the fourth module).	oblems are solved ar sis. Part of the cours he first module: arra	nd knowledge e, presenting y, the second	from the a logical I module:
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
	e attendance			Yes		Coloquium exam		No	25.00
Test				Yes		Coloquium exam		No	20.00
Test				Yes	15.00	Oral part of the exam		Yes	20.00
					1 :4	Practical part of the exan	n - tasks	Yes	45.00
0-1		uthor				ature	Duklist		Ver
Ord.		uthor	N4-4	omotičko orali-	Title		Publishe	ei	Year
1, 2,	Mila Stojakov Nebojša Rale		Čomić Zbir		śenih sa p	ismenih ispitaiz	Vedes, Beograd FTN,Novi Sad		2002 2003
,	,	, .) -	mat	ematička analiz	a 2		,		-



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	e:												
Course	e id:	E227A		Lo	gic De	esign of Comput	er Systems 1						
Numbe	er of ECTS:	6											
Teache	ers:		Teslić Đ. Nik	ola, Pjevalica	U. Neboj	ša							
Course	e status:		Mandatory										
Numbe	er of active tead	ching classe	es (weekly)										
L	_ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:				
	3	C)	2 0 1									
Precon	dition courses	-	-	None									
1. Educ	cational goal:												
Knowle	edge about the	basics of d	igital system	design.									
2. Educ	cational outcon	nes (acquire	ed knowledge):									
	edge about the standing engin				id testing	digital systems. The ac	quired knowledge p	provides the I	basis for				
3. Cour	rse content/stru	ucture:											
notion of CPLD,	of complex dig FPGA). Desig	ital system gn of arithr	s (AHPL, RT	L and basic V	ching functions (analytical methods of representation, Functionally complete system and minimization). Finite automata (methods, behaviour of synchronous sequential systems and minimum number of states). sequential system design. Combinational networks ndard modules and programmable combinational networks). Standard sequential networks (memory elements and registers). The on of complex digital systems (AHPL, RTL and basic VHDL). Programmable combinational and sequent ional networks (PAL, PLD, D, FPGA). Design of arithmetic logic unit. Logic design of processor control unit. Micro program control unit (description and								
		L). Hypoth				ocessor control unit. Mic realization with VHDL).	cro program control	unit (descrip					
4. Teac	ching methods:	,					cro program control	unit (descrip					
Lecture Student	es, Tutorials. C its attend lectu at laboratory pr	Computer pr res, auditor	etical proces actice. Consi y practice an	ssor (descrip ultations. d laboratory p	tion and r		ractice is graded. The	ere are three	otion and				
Lecture Student taken a	es, Tutorials. C its attend lectu at laboratory pr	Computer pr res, auditor	etical proces actice. Consi y practice an	ssor (descrip ultations. d laboratory p ulum consists	tion and r practice cl	ealization with VHDL). asses. Each laboratory p	ractice is graded. The	ere are three	otion and				
Lecture Student taken a the com	es, Tutorials. C Its attend lectu at laboratory pr nputer. Pre-examina	Computer pr res, auditor actice class	etical proces ractice. Consu y practice an ses. A colloq	ssor (descrip ultations. d laboratory p ulum consists	tion and r practice cl of a test evaluation Points	ealization with VHDL). asses. Each laboratory p which checks students' th (maximum 100 points) Final e	ractice is graded. The neoretical knowledge	ere are three	colloquia I tasks at Points				
Lecture Student taken a the com	es, Tutorials. C its attend lectu at laboratory pr nputer. Pre-examina vork	Computer pr res, auditor actice class	etical proces ractice. Consu y practice an ses. A colloq	ultations. d laboratory p uium consists Knowledge e Mandatory Yes	tion and r practice cl of a test evaluation Points 5.00	realization with VHDL). asses. Each laboratory pi which checks students' th (maximum 100 points) Final ex Test	ractice is graded. The neoretical knowledge	ere are three and practical Mandatory Yes	colloquia I tasks at Points 10.00				
Lecture Student taken a the com Homew	es, Tutorials. C its attend lectu at laboratory pr mputer. Pre-examina vork vork	Computer pr res, auditor actice class	etical proces ractice. Consu y practice an ses. A colloq	ultations. d laboratory p uium consists Knowledge o Mandatory Yes Yes	tion and r practice cla of a test evaluation Points 5.00 5.00	realization with VHDL). asses. Each laboratory pr which checks students' th (maximum 100 points) Final ex Test Coloquium exam	ractice is graded. The neoretical knowledge	ere are three and practical Mandatory Yes No	colloquia I tasks at Points 10.00 20.00				
Lecture Student taken a the com	es, Tutorials. C ets attend lectu at laboratory pr mputer. Pre-examina vork vork vork	Computer pr res, auditor actice class	etical proces ractice. Consu y practice an ses. A colloq	Itations. d laboratory p uium consists Knowledge e Mandatory Yes Yes Yes Yes	practice cla of a test evaluation Points 5.00 5.00 5.00	realization with VHDL). asses. Each laboratory pr which checks students' th (maximum 100 points) Final ex Test Coloquium exam Coloquium exam	ractice is graded. The neoretical knowledge	Mandatory Yes No No	colloquia I tasks at Points 10.00 20.00 20.00				
Lecture Student taken a the com Homew Homew	es, Tutorials. C ets attend lectu at laboratory pr mputer. Pre-examina vork vork vork	Computer pr res, auditor actice class	etical proces ractice. Consu y practice an ses. A colloq	ultations. d laboratory p uium consists Knowledge o Mandatory Yes Yes	practice cla of a test evaluation Points 5.00 5.00 5.00	realization with VHDL). asses. Each laboratory pr which checks students' th (maximum 100 points) Final ex Test Coloquium exam	ractice is graded. The neoretical knowledge kam	ere are three and practical Mandatory Yes No	colloquia I tasks at Points 10.00 20.00				
Lecture Student taken a the com Homew Homew	es, Tutorials. C ets attend lectu at laboratory pr mputer. Pre-examina vork vork vork	Computer pr res, auditor actice class	etical proces ractice. Consu y practice an ses. A colloq	Itations. d laboratory p uium consists Knowledge e Mandatory Yes Yes Yes Yes	practice cla of a test evaluation 5.00 5.00 5.00	realization with VHDL). asses. Each laboratory p which checks students' th (maximum 100 points) Final ex Test Coloquium exam Coloquium exam Theoretical part of the ex	ractice is graded. The neoretical knowledge kam	Mandatory Yes No Yes Yes	colloquia I tasks at Points 10.00 20.00 20.00 30.00				
Lecture Student taken a the com Homew Homew	es, Tutorials. C ets attend lectu at laboratory pr mputer. Pre-examina vork vork vork vork vork	Computer pr res, auditor actice class	etical proces ractice. Consu y practice an ses. A colloq	Itations. d laboratory p uium consists Knowledge e Mandatory Yes Yes Yes Yes	practice cla of a test evaluation 5.00 5.00 5.00	realization with VHDL). asses. Each laboratory provide the students' the students' the students' the students' the students of the state of the stat	ractice is graded. The neoretical knowledge kam	Mandatory Yes No Yes Yes Yes Yes	colloquia I tasks at Points 10.00 20.00 20.00 30.00				
Lecture Student taken a the com Homew Homew Homew	es, Tutorials. C its attend lectu at laboratory pr nputer. Pre-examina vork vork vork vork vork	Computer pr res, auditor ractice class ation obligat	etical proces ractice. Consu y practice an ses. A colloq tions	ultations. d laboratory p uium consists Knowledge e Mandatory Yes Yes Yes Yes Yes	practice cla of a test evaluation Points 5.00 5.00 5.00 5.00 Cutter Title nje računa	realization with VHDL). asses. Each laboratory provide the students' the students' the students' the students' the students of the state of the stat	ractice is graded. The neoretical knowledge kam am n - tasks	Mandatory Yes No Yes Yes Yes Yes	colloquia I tasks at Points 10.00 20.00 20.00 30.00 40.00				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:			Object Programming						
Course	id:	E223A			(Object Program	ming		
Number	of ECTS:	8							
Teachei	rs:		Malbaški T.	Dušan, Kupus	inac D. Al	eksandar			
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	sses:
	4	()	3		0		1	
Precond	lition courses			None		-			
1. Educa	ational goal:								
Knowled	lge about the p	principles,	techniques a	nd ways of usi	ng object	methodology and technol	ogies for software de	velopment.	
2. Educa	ational outcom	es (acquire	ed knowledge	e):					
Student	s should know	how to use	e object appr	oach for devel	oping pro	grams on a concrete obje	ct programming langu	lage.	
3. Cours	se content/stru	cture:							
Operati	on classificat	ion. Cons	tructors and	destructors.	Notion a	nology. Abstraction and and types of polymorph cy connections. Generic	isms. Operator ove		
4. Teacl	ning methods:								
examination total of	ation. Pre exam	mination as rder to pas	ssignments i s the examir	nclude: two sr nation a stude	nall projeo nt must ac	ts, 70 points are gained cts (15 points each) and chieve min 55 points. Stu ttion.	four tests (10 points	each) which	makes a
				Knowledge e	valuation	(maximum 100 points)			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Comput	er excersise d	efence		Yes	70.00	Theoretical part of the ex	am	Yes	30.00
					Liter	ature			
Ord.	A	uthor			Title		Publishe		Year
1,	Kraus L.		Progr	amski jezik C-	++		Mikro knjiga, Beogra više puta preštampa		1994
2,	Malbaški D.		Objel	kti i objektno p	rogramira	nje	Univerzitet u Novon štampi)		2007
3,	Malbaški D.		Interr	net programira	nje, deo 1	: Programski jezik java	Univerzitet u Novom Tehnički fakultet "M Pupin"		2007



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:										
Course id:	E225	Operating Systems								
Number of ECTS:	8									
Teachers:		Hajduković F	P. Miroslav, Si	uvajdžin F	Rakić B. Zorica					
Course status:		Mandatory								
Number of active teac	hing classe	s (weekly)								
Lectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:		
4	0		3		C)	1			
Precondition courses		ŧ			•					
1. Educational goal:										
Students learn about knowledge of concurr			systems, the	ir organiz	ation, structure and impl	ementation. They ac	quire beginne	er's level		
2. Educational outcom	es (acquire	d knowledge):							
Knowledge of operati programming.	ing systems	s principles, t	heir organiza	tion, struc	cture and implementation	. Beginner's level kn	owledge of co	oncurrent		
3. Course content/stru	cture:									
shared variables, mes concurrent programm philosophers, readers management, main me	ssage pass ing languag and writer emory man otection, T	ing, mutual e ges and their s, disk manag agement, ma	exclusion, syr implementat gement,) (inagement of	nchronization, typication, typication Operating devices, j	current processes, coop tion, means of process of al problems of concurren system tasks (command process scheduling). Ope ng systems of shared an	cooperation and sync t programming, prod l interpretation, proce erating system interface	hronization, o ucers and cou ss managem ce (scripts and	leadlock, nsumers, ent, data d system		
4. Teaching methods:										
Lectures, Computer p					include four tests and on obtaining a signature is 3		final examina	ation test		
			Knowledge e	evaluation	(maximum 100 points)					
Pre-examina	tion obligat	ions	Mandatory	Points	Final e		Mandatory	Points		
Project			Yes		Theoretical part of the ex	kam	Yes	30.00		
Test			Yes	10.00						
Test Test			Yes	10.00 10.00						
Test			Yes Yes	10.00						
			res		ature					
Ord. A	uthor			Title		Publishe	er	Year		
1, M. Hajdukovi		Opera	tivni sistemi -			FTN Izdavaštvo, No		2013		
	-			2.0000				_0.0		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course specification

Course: Course id: E251A							
			Sociological Aspects of Technical Development				
Number of ECTS:	3]					
Teacher:		Radivoje	vić D. Radoš				
Course status:		Mandatory					
Number of active teac	hing classe	es (weekly	()				
Lectures:	Practical	classes:	Other teaching types:	Study research work:	Other classes:		
2	(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 their own social importance and responsibility in the creation of humane society.

2. Educational outcomes (acquired knowledge):

Acquisition of social knowledge about features, sources, social functions of technology and creators of technical knowledge; knowledge about the impact of the nature of social systems on technical development and the impact of technology on the development of a society; knowledge about impact of technology on processes and changes in modern society: globalization, changes in the work content and forms of work organization, changes in communication, culture, education, democracy, way of life and thinking, knowledge about the negative aspects of technological development, nature destruction, work alienation, creation of risky society.

3. Course content/structure:

Technical knowledge: features and social functions of technology, sources of technical knowledge, creators of technical knowledge, dissemination of technical knowledge, scientific-technical potential, science and technology relationship. Relationship between technology 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 technology on life, awareness and culture. Technology and globalization: causes and dimensions of globalization, technological gap, brain drain; Technology 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. Technology and alienation at work: the impact of technology, forms of alienation, humanization of labour. Mass media and communications; global television, the impact of television on society, media theories, mobile telephony and the internet, the impact of internet on society, media imperialism, mass culture, cyber criminal. Technology and education: education and new communication technological gap, virtual universities, intelligence and educational success. Technology and democracy: global media and liberal democracy, media and virtual reality, resistance and alternatives to global media. Technology 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 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-examination obligations		Mandatory	Points	Final e	exam	Mandatory	Points
Homew	ork		Yes	5.00	Oral part of the exam	ral part of the exam Yes 5		
Lecture	attendance		Yes	5.00				
Test		Yes	10.00					
Test			Yes	10.00				
Test			Yes	10.00				
Test			Yes	10.00				
				Liter	ature			
Ord. Author			Title			Publisher		Year
1,	Radoš Radivojević	Tehnił	ka i društvo			Fakultet tehničkih n	auka	2004
2,	Radoš Radivojević	Sociol	ociologija nauke			Stylos		1997
3,	Entoni Gidens	Sociol	Sociologija			Ekonomski fakultet		2003
4, Friedrics, G. Schaff. A, Mikro			kroelektronika i društvo			Globus		1987
5, James Stevin The I			e Internet and Society			Camridge, Polity		2000
6,	Chris Barker	Televi	evision, Globaliization and Cultural Identities			Open University Press		1999
7,	Eugene Loos, Enid Mante- Meijer, Leslie Haddon		Social Dynamics of Information and			Ashgate		2008
8,	Wenda K. Bauchspies, Jennifer Croissant, Sal Restivo	Scienc Appro		gy and So	ciety: A Sociological	John Wiley & Sons		2005

SITAS STUD

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering

		Literature		
Ord.	Author	Title	Publisher	Year
9,	Jan L. Harrington	Technology and Society	Jones & Bartlett	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

Computing and Control Engineering

Course	:										
Course id: E226			Automatic Control Systems								
Numbe	r of ECTS:	8	1								
Teache	rs:		Kulić J. Filip	, Ristić V. Alel	ksandar, F	Petrovački Lj. Nebojša					
Course	status:		Mandatory								
Numbe	r of active tead	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:		
	4	2	2	2		0		0			
Precon	dition courses	•									
1. Educ	ational goal:										
Student	ts learn about	theoretical	and practical	bases of scier	nce of sys	tem control.					
2. Educ	ational outcom	nes (acquire	ed knowledge	e):							
The acc	quired knowled	lge can be	used in solvir	ng practical en	gineering	problems and forms a ba	sis for future enginee	ring subjects.			
3. Cour	se content/stru	icture:									
transfor of syste Bode m	m. Block diagr m stability usi	am models ng analytic ot of space	 Signal flow al methods. F of system sta 	graph models Root locus. Ar ate. Choice ar	. Quality e alysis and d adjustin	tical description of contir evaluation and of control i d syntheses of system in ig of parameters of indust	n stationary and trans frequency domain. N	sition regime. yquist stabilit	Analysis y criteria,		
	hing methods:										
whole of	an be taken in al grade is fo	n the form	of a colloquit	ım. Colloquiui	m and exa	y practice. Consultations aminationsare oral and w Illoquium, computer-lab	ritten. Both parts are	taken in writ	ten form.		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Test				Yes		Oral part of the exam		Yes	30.00		
Test				Yes		Practical part of the exan	n - tasks	Yes	40.00		
Test				Yes	10.00						
						ature					
Ord.		luthor	Ke -t		Title		Publishe		Year		
1,	M. Stojić	ž p	Cintor			kog upravljanja anja- zbornik rešenih	Naučna Knjiga, Bec	grad	1978		
2,	B. Kovačević	, Z. ĐUROVI	zadat	taka			Nauka, Beograd		1995		
3,	D. Kukolj i os	stali	rešen	ne primere	-	natskog upravljanja kroz	Somel, Sombor		1995		
			Proje		ma autom	atskog upravljanja u	Univerzitet u Novon				
4,	D. Kukolj, F. Richard C. I			oru stanja			Novi Sad	n Sadu,	1995		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course	e specification
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Course	:					_					
Course	e id:	E224A	Probability and Stochastic Processes								
Numbe	er of ECTS:	5									
Teache	ers:	ę	Stojakovi	ć M. Mila, Mihailo	ović P. Bilj	ana					
Course	e status:	1	Mandator	у							
Numbe	er of active tead	hing classes	s (weekly))							
L	_ectures:	Practical c	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:		
	2	1		0		0		1			
Precon	dition courses			None		•					
1. Educ	cational goal:										
Enablin	ng students to d	develop abst	ract think	ing and acquire I	basic knov	vledge in the field of prob	ability and random p	rocesses.			
2. Educ	cational outcom	nes (acquired	d knowled	lae):							
		、 I		0 /		and the state of the	ulata and de di		-1-1-0		
	to use the acqu probability and			ther education in	engineeri	ing subjects so as to post	ulate and solve math	iematical mode	els in the		
<u> </u>											
3. Cour	rse content/stru	icture:									
Basic d	definitions in pr	obability, co				mula. Random variable c					
Basic d	definitions in pr n. Two-dimen	obability, co sional rando	om varia	ble. Conditional	distribut	ion. Numerical propertie	es – expectation, di	spersion, cov	variance,		
Basic d function correla	definitions in pr n. Two-dimen ition. Random	obability, co sional rando	om varia	ble. Conditional	distribut		es – expectation, di	spersion, cov	variance,		
Basic d function correla system	definitions in pr n. Two-dimen ition. Random	obability, co sional rando processes	om varia	ble. Conditional	distribut	ion. Numerical propertie	es – expectation, di	spersion, cov	variance,		
Basic d function correla system 4. Teac	definitions in pr n. Two-dimen ition. Random is. ching methods:	obability, co sional rando processes	om varia – genera	ble. Conditional Il terms. Markov	distribut chains a	ion. Numerical propertien and processes, the proc	es – expectation, di esses of birth and o	spersion, cov death, mass s	variance, servicing		
Basic d function correla system 4. Teac Lecture followe	definitions in pr n. Two-dimen ition. Random is. ching methods: es; Numerical ed by typical e	obability, co sional rando processes calculation p examples for	om varia – genera practice. r better u	ble. Conditional Il terms. Markov Consultations. Inderstanding. I	Lectures	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies le	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol	bersion, cov death, mass s of the course b blems are sol	variance, servicing is taught lved and		
Basic d function correla system 4. Teac Lecture followe knowled	definitions in pr n. Two-dimen ition. Random is. ching methods: es; Numerical ed by typical e edge from the l	obability, co sional rando processes calculation p examples for ectures is de	om varia – genera practice. r better u eepened.	ble. Conditional I terms. Markov Consultations. Inderstanding. I Besides lecture	Lectures n practice s and pra	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies le ctice, consultations are t	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol neld on a regular ba	spersion, cov death, mass s of the course i blems are sol sis. Part of the	variance, servicing is taught lved and e course,		
Basic d function correla system 4. Teac Lecture followe knowle present	definitions in pr n. Two-dimen ttion. Random ns. ching methods: es; Numerical ed by typical e dge from the l tting a logical w	calculation processes calculation processes calculation processes	om varia – genera practice. r better u eepened. e passed	ble. Conditional I terms. Markov Consultations. Inderstanding. I Besides lecture during the teach	Lectures n practice s and practice	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies le	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol neld on a regular ba wing 3 modules (the	of the course of the course of the course of the second se	is taught lved and e course, theory of		
Basic d function correla system 4. Teac Lecture followe knowle present	definitions in pr n. Two-dimen ttion. Random ns. ching methods: es; Numerical ed by typical e dge from the l tting a logical w	calculation processes calculation processes calculation processes	om varia – genera practice. r better u eepened. e passed	ble. Conditional I terms. Markov Consultations. Inderstanding. I Besides lecture during the teach riable, the third i	Lectures n practice s and pra ing proce module: ra	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies lu ctice, consultations are t ss in the form of the follo	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol neld on a regular ba wing 3 modules (the	of the course of the course of the course of the second se	is taught lved and e course, theory of		
Basic d function correla system 4. Teac Lecture followe knowle present	definitions in pr n. Two-dimen ttion. Random ns. ching methods: es; Numerical ed by typical e dge from the l tting a logical w	obability, co sional rando processes calculation p examples for ectures is de /hole, can be d module: ra	om varia – genera practice. r better u eepened. e passed andom va	ble. Conditional I terms. Markov Consultations. Inderstanding. I Besides lecture during the teach riable, the third i	Lectures n practice s and pra ing proce module: ra	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies le ctice, consultations are h ss in the form of the follo andom processes). Oral p	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol neld on a regular ba- wing 3 modules (the part of the examination	of the course of the course of the course of the second se	is taught lved and e course, theory of		
Basic d function correla system 4. Teac Lecture followe knowle present probabi	definitions in pr n. Two-dimen ition. Random ns. ching methods: es; Numerical ed by typical e idge from the l ting a logical w ility, the secon	obability, co sional rando processes calculation p examples for ectures is de /hole, can be d module: ra	om varia – genera practice. r better u eepened. e passed andom va	ble. Conditional I terms. Markov Consultations. Inderstanding. I Besides lecture during the teach riable, the third i	Lectures n practice s and pra ing proce module: ra valuation Points 5.00	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies le ctice, consultations are t ss in the form of the follo andom processes). Oral p (maximum 100 points) Final ez Coloquium exam	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol neld on a regular ba- wing 3 modules (the part of the examination	spersion, cov death, mass s of the course of blems are sol sis. Part of the first module: on is optional.	variance, servicing is taught lved and e course, theory of		
Basic d functioi correla system 4. Teac Lecture followe knowle present probabi	definitions in pr n. Two-dimen ition. Random is. ching methods: edy typical e dy typical e dge from the l ting a logical w illity, the secon Pre-examina se attendance	obability, co sional rando processes calculation p examples for ectures is de /hole, can be d module: ra	om varia – genera practice. r better u eepened. e passed andom va	ble. Conditional I terms. Markov Consultations. Inderstanding. I Besides lecture during the teach riable, the third in Knowledge e Mandatory	Lectures n practice s and pra ing proce module: ra evaluation Points 5.00 5.00	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies lectice, consultations are f ss in the form of the follo andom processes). Oral p (maximum 100 points) Final ex Coloquium exam	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol neld on a regular ba- wing 3 modules (the part of the examination	of the course of the course of the course of the course of the second sis. Part of the first module: first module: for is optional.	is taught lved and e course, theory of Points		
Basic d function correla system 4. Teac Lecture followe knowle present probabi Exercis Homew Test	definitions in pr n. Two-dimen ition. Random is. ching methods: edy typical e dy typical e dge from the l ting a logical w illity, the secon Pre-examina se attendance	obability, co sional rando processes calculation p examples for ectures is de /hole, can be d module: ra	om varia – genera practice. r better u eepened. e passed andom va	Consultations. Inderstanding. I Besides lecture during the teach riable, the third in Knowledge e Mandatory Yes	Lectures n practice s and pra ing proce module: ra evaluation Points 5.00 5.00 10.00	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies lectice, consultations are h ss in the form of the follo andom processes). Oral p (maximum 100 points) Final ez Coloquium exam Coloquium exam Oral part of the exam	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol held on a regular bas wing 3 modules (the part of the examination xam	of the course of the course of the course of the course of the sare solutions. Part of the first module: on is optional. Mandatory No Yes	variance, servicing is taught lved and e course, theory of Points 20.00 20.00 30.00		
Basic d functioi correla system 4. Teac Lecture followe knowle present probabi	definitions in pr n. Two-dimen ition. Random is. ching methods: edy typical e dy typical e dge from the l ting a logical w illity, the secon Pre-examina se attendance	obability, co sional rando processes calculation p examples for ectures is de /hole, can be d module: ra	om varia – genera practice. r better u eepened. e passed andom va	ble. Conditional I terms. Markov Consultations. Inderstanding. I Besides lecture during the teach riable, the third i Knowledge e Mandatory Yes Yes	Lectures n practice s and pra ing proce module: ra evaluation Points 5.00 5.00 10.00	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies lectice, consultations are t ss in the form of the follo andom processes). Oral p (maximum 100 points) Final ex Coloquium exam Coloquium exam Oral part of the exam Practical part of the exam	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol held on a regular bas wing 3 modules (the part of the examination xam	of the course of the course of the course of the course of the second sis. Part of the first module: Mandatory No No	is taught lved and e course, theory of Points 20.00 20.00		
Basic d function correla system 4. Teac Lecture followe knowle present probabi Exercis Homew Test	definitions in pr n. Two-dimen ition. Random is. ching methods: edy typical e dy typical e dge from the l ting a logical w illity, the secon Pre-examina se attendance	obability, co sional rando processes calculation p examples for ectures is de /hole, can be d module: ra	om varia – genera practice. r better u eepened. e passed andom va	Consultations. Inderstanding. I Besides lecture during the teach riable, the third in Knowledge e Mandatory Yes Yes Yes	Lectures n practice s and pra ing proce module: ra evaluation Points 5.00 5.00 10.00	ion. Numerical propertie and processes, the proc are combined. In lecture e, which accompanies lectice, consultations are h ss in the form of the follo andom processes). Oral p (maximum 100 points) Final ez Coloquium exam Coloquium exam Oral part of the exam	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol held on a regular bas wing 3 modules (the part of the examination xam	of the course of the course of the course of the course of the sare solutions. Part of the first module: on is optional. Mandatory No Yes	variance, servicing is taught lved and e course, theory of Points 20.00 20.00 30.00		
Basic d function correla system 4. Teac Lecture followe knowle present probabi Exercis Homew Test	definitions in pr n. Two-dimen ition. Random is. ching methods: es; Numerical ed by typical e dge from the li- ting a logical w illity, the secon Pre-examina se attendance vork	obability, co sional rando processes calculation p examples for ectures is de /hole, can be d module: ra	om varia – genera practice. r better u eepened. e passed andom va	Consultations. Inderstanding. I Besides lecture during the teach riable, the third in Knowledge e Mandatory Yes Yes Yes	Lectures n practice s and pra ing proce module: ra evaluation Points 5.00 5.00 10.00	ion. Numerical propertie and processes, the proc e, which accompanies le ctice, consultations are le ss in the form of the follo andom processes). Oral p (maximum 100 points) Final e: Coloquium exam Coloquium exam Oral part of the exam Practical part of the exam ature	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol held on a regular bas wing 3 modules (the part of the examination xam	of the course of the course of the course of the course of the second se	variance, servicing is taught lved and e course, theory of Points 20.00 20.00 30.00		
Basic d function correla system 4. Teac Lecture followe present probabi Exercis Homew Test	definitions in pr n. Two-dimen ition. Random is. ching methods: es; Numerical ed by typical e dge from the li- ting a logical w illity, the secon Pre-examina se attendance vork	obability, co sional rando processes calculation p examples for ectures is de /hole, can be d module: ra ation obligatio	om varia – genera practice. r better u eepened. e passed andom va ons	Consultations. Inderstanding. I Besides lecture during the teach riable, the third in Knowledge e Mandatory Yes Yes Yes	Lectures n practice s and pra ing proce module: ra evaluation 5.00 5.00 10.00 10.00 Liter Title	ion. Numerical propertie and processes, the proc e, which accompanies le ctice, consultations are h ss in the form of the follo andom processes). Oral p (maximum 100 points) Final ez Coloquium exam Coloquium exam Oral part of the exam Practical part of the exam ature	es – expectation, di esses of birth and o es, theoretical part o ectures, typical prol held on a regular bas wing 3 modules (the bart of the examination xam	of the course of the second sis. Part of the first module: con is optional. Mandatory No No Yes Yes er	variance, servicing is taught lved and e course, theory of Points 20.00 20.00 30.00 40.00		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course	specification
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Course:											
Course i	id:	E23A2		Real Time System Programming 1							
Number	of ECTS:	6									
Teacher	:		Popović V.	. Miroslav							
Course s	status:		Mandatory	1							
Number	of active teac	hing classe	s (weekly)								
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:		
	3	0		3		0		0			
Precond	lition courses			None							
1. Educa	ational goal:										
Teaching	g students par	allel progra	mming of r	multicore proces	sors and	design of software tools f	or real time systems.				
2. Educa	ational outcom	es (acquire	d knowledd	ae):							
						parallel programming p ssembler, compiler, etc.		tools, and c	lesigning		
3. Cours	e content/stru	cture:									
Parallel	programming	tools). Part	2: Softwar	re tools design ((Assemble	allel programming desig er, Macro assembler, For pactor, Simulator, Debug	mal systems, Compil				
4. Teach	ning methods:										
				s, consultations ratory practice t							
				Knowledge e	evaluation	(maximum 100 points)					
Pre-examination obligations Mandatory Points Final exam Mandatory Points											
Laboratory exercise defence Yes 70.00 Theoretical part of the exam Yes 30.00											
Literature											
Ord. Author Title Publisher Year											
1,	V. Kovačević	i M. Popov		emska program gramski alati i p		ka u realnom vremenu 1: rogramiranje	FTN Izdavaštvo, No	ovi Sad	2011		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:												
Course	id:	E237		Optimization Methods								
Number	of ECTS:	8		Ioličić D. Zoran, Panajć P. Milan								
Teache	rs:		Jeličić D.	Jeličić D. Zoran, Rapaić R. Milan								
Course	status:		Mandato	iry								
Number	of active teac	hing classe	es (weekly	(weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
	4	2	2	1 0 1								
Precond	lition courses	-										
1. Educ	ational goal:											
Student	s learn about t	heoretical	and practi	ical bases of non-	linear opti	mization of static and dyn	amic systems.					
2. Educ	ational outcom	ies (acquir	ed knowle	edge):								
The acc	uired knowled	ge can be	used in so	olving practical en	gineering	problems and forms a ba	sis for future enginee	ring subjects				
3. Cours	se content/stru	cture:										
variable equality problem Pontrya optimiza	s without con and inequality is with and wi igin`s maximu ation procedur	straints. A /. Linear pro- thout consum princip es: genetic	nalytical o rogrammir straints. F le. Dynar c algorithn	determination of e ng. Numerical sol undamentals of v mic programming n, simulated anne	extremes, utions of c variational g, linear r ealing, PS	mization. Analytical syste functions of one or mor one-dimensional problem l calculus. Direct methoc egulators. Numerical m O. Application of optimiz ical engineering problem	e variables with cons s. Numerical solution ls of variational calcu ethods of dynamic of ation procedures in th	straints on th s of multi-dir ulus. Optima optimization	e type of nensional al control. . Modern			
4. Teac	ning methods:											
The exa task mu a list of	mination is wast be complete examination q	ritten and o ed success uestions.	oral. The v sfully. The The colloc	written part consi course material o quia, tests and ex	sts of at le can be div amination	pratory practice. Consulta east four parts, in order t ided into two colloquia. T are written. The written p rt of the examination.	o achieve a passing he oral part of the ex	amination is	based on			
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Project				Yes	30.00	Coloquium exam		No	40.00			
						Oral part of the exam		Yes	30.00			
			Practical part of the exam - tasks Yes 40.00 Literature									
0-4	Α	uthor					Dublish -	<u> </u>	Verr			
Ord. 1.	J. Petrić, S. Z	uthor	NL	olinoarno progran	Title		Publishe Naučna knjiga, Beo		Year 1983			
1, 2,	B. Vujanović,			elinearno progran etodi optimizacije			Univerzitet u Novon	<u> </u>	1983			
3,	Dimitri P. Be			Ionlinear Program			Athena Scientific		2004			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:										
Course id:	E222A	Electronics								
Number of ECTS:	8	Malhaša D. Veliko, Živanov D. Liiliana								
Teachers:		Malbaša D. Veljko, Živanov D. Ljiljana								
Course status:		Elective								
Number of active teac	hing classe	s (weekly)								
Lectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:		
4	1		2		0		1			
Precondition courses			None							
1. Educational goal:										
happen in semicondue	ctor materia	ls, the basic	principles of s	emicondu	ous knowledge of electro ictor component operation circuits which make the	n and how these com	ponents are e	employed		
2. Educational outcom	nes (acquire	d knowledge	e):							
 demonstrate underst demonstrate underst demonstrate underst design simple digital 	anding of th anding of th anding of th combinatio	ne basic prind ne basic prind ne principles nal and sequ	ciples of opera ciples of opera and paramete uential electror	ation of se ation of an ers of digita nic module	ssignments will be able to miconductors and semico nplifier circuits and signal al electronic circuits es and explain the princip mputers are formed using	onductor components conditioning circuits les on which they wo	rk	es.		
3. Course content/stru	icture:									
basic characteristics Fundamentals of am	and opera plifier circu nentals of d	tions. How uits. Basic c igital electro	basic electro	nic comp s of digita	polar transistor, mosfet, onents are used. Funda al signals and basics of tional and sequential mo	amentals of integrat logic circuit realiza	ed circuit teo ation. TTL an	chnology. d CMOS		
4. Teaching methods:										
laboratory practice of	lasses stud	dents use s	pecially prep	ared mod	ory practice classes are u lels where they apply ir itory practice classes.					
			Knowledge e	evaluation	(maximum 100 points)					
Pre-examina	tion obligat	ions	Mandatory	Points	Final e	kam	Mandatory	Points		
Laboratory exercise d	efence		Yes		Written part of the exam	 tasks and theory 	Yes	70.00		
Lecture attendance			Yes	5.00						
Test Test		Yes 10.00 Yes 10.00								
			Yes		ature					
Ord. A	uthor	-		Title		Publish	or I	Year		
1, S. Tešić, D. V		Oeno	vi elektronike	THE	,	Građevinska knjiga	-	2005		
2, LJiljana Živa			ronika			Skripta, Fakultet te nauka		2009		



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



1

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course specification Course: Numerical Algorithms and Numerical Software Course id: E231 Number of ECTS: 4 Teacher: Konjović D. Zora Course status: Elective Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 2 0 1 0 Precondition courses 1. Educational goal: Students gain basic knowledge about numerical analysis, methodology of applying numerical models in engineering disciplines, use of selected standard numerical software tools. 2. Educational outcomes (acquired knowledge): Understanding basic numerical models and ability to apply them for solving simple engineering tasks using numerical software tools. 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, computer practice, homework assignments, and consultations. During the lectures the content of the course is presented using the necessary didactic tools while student active participation is encouraged. The practical aspect of the course is covered at computer practice classes through assignments which students do independently or with the help of teaching assistants as well as through homework assignments (obligatory or optional). A student is expected to demonstrate the ability of independent task solving or understanding of the solution Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Computer exercise attendance 5.00 Written part of the exam - tasks and theory Yes Yes Homework 5.00 Yes Homework 5.00 Yes 5.00 Homework Yes 5.00 Homework Yes Laboratory exercise defence 40.00 Yes 5.00 Lecture attendance Yes Literature Ord. Title Publisher Author SCIENTIFIC COMPUTING An Introductory Survey 1. Michael Heath McGraw-Hill 2, Zora Konjović Numerički algoritmi i numerički softver autorski rukopis Đorđe Obradović, Zora Numerički algoritmi i numerički softver - računarski 3, autorski praktikum Koniović 4 Amos Gilat Uvod u MATLAB 7 Wiley

Points

Year

1997

2005

2004

2005

30.00



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course	:		Fundam	entals o	f Infori	mation Systems	and Softwar	e Engine	erina						
Course	id:	E235						eg							
Numbe	r of ECTS:	6		išić R. Branko, Dejanović R. Igor											
Teache	ers:		Perišić R. Br	anko, Dejano	vić R. Igor										
Course	status:		Elective												
Numbe	r of active teac	hing classe	s (weekly)												
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:						
	2	0)	3		0		1							
Precon	dition courses	-	-	None											
1. Educ	cational goal:														
method	lological appro	aches in so	oftware desig	n and unders	tand the p	system design. Student lace of software within a n object platform.									
2. Educ	cational outcom	nes (acquire	ed knowledge):											
based of		tandards ar	nd manage d	ata storage b	ased on t	lement complex software extual databases using n design.									
3. Cour	rse content/stru	icture:													
Softwar and rel informa informa Practica	re demands, de lated disciplin ation system or ation system de	esign, consi es. Basic i ganization. esign. Busin oriented pro	truction, testin notions of sy Phases of in ess informatiogramming re	ng, maintenar vstem progra formation syst on system are petition, elem	ice and so mming. F em evolut chitecture. ients of ob	and problems, definition ftware configuration man- undamentals of informa- ion. Challenges of moder ject platform, standard te	agement. Software li ation system design n information techno	fecycle model n, concept of logies and co	s, quality modern ncepts in						
4. Teac	ching methods:														
practica implem	al part of the co entation, testir	ourse, steps ig, etc). Ha	s in the indivi wing practice	dual phases o d the early pl	of a softwa nases of lit	simplified, data oriented, rre lifecycle can be practi fecycle, the students get of using based on the pre	ced (request analysi individual tasks to in	s, design spe	cification,						
				Knowledge e	evaluation	(maximum 100 points)									
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	-	Mandatory	Points						
Homew				Yes		Theoretical part of the ex		Yes	25.00						
	/ork tory exercise a	ttondanco			5.00	Practical part of the exan	n - tasks	Yes	HomeworkYes5.00Practical part of the exam - tasksYes25.00						
Labora	attendance	llenuarice		Yes Yes	5.00				25.00						
Lecture				163					20.00						
	defence			Yes	30.00				23.00						
	defence			Yes		ature			23.00						
	1	uthor		Yes			Publishe	er	Year						
Project	1			vi informacion	Liter: Title		Publisho Elektronska verzija								
Project Ord.	A	ić	inžen Softw	vi informacion erstva are engineerii	Litera Title ih sistema				Year						
Project Ord. 1,	A Branko Periš	ić , J. M. Atlee	inžen Softw editio Desig	vi informacion erstva are engineerin n ning The Use	Litera Title ih sistema ng Theory r Interface	i i softverskog and Practice", third	Elektronska verzija		Year 2007						
Project Ord. 1, 2,	A Branko Periš S.L.Pfleeger	ić , J. M. Atlee nan	inžen Softw editio Desig	vi informacion erstva are engineerin n ning The Use ess Informatio	Litera Title ih sistema ng Theory r Interface	i softverskog and Practice", third	Elektronska verzija Prentica Hall		Year 2007 2006						



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2	Course	specification
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Course:												
Course id	d:	E23M		Real Time System Programming 2								
Number	of ECTS:	6		ić V. Miroslav								
Teacher:			Popović V. M	/liroslav								
Course s	status:		Elective									
Number	of active teac	hing classe	es (weekly)	weekly)								
Le	ctures:	Practical	classes:	Other teachi	ng types:	Study resea	irch work:	Other clas	sses:			
	2	()	3		0		1				
Precondi	tion courses					•						
1. Educa	tional goal:			-								
			nd parallel pro oftware archi		f real time	e system's software com	conents with focus of	on real time c	operating			
2. Educa	tional outcom	es (acquire	ed knowledge):								
	design and i plex parallel			ams for real t	ime syste	n's software components	with focus on real ti	me operating	systems			
3. Course	e content/stru	cture:										
deadlock multiprog	ks of proces gramming co dence of I-O	nditions, v units, com	driven softw irtual memor munication pr	vare, examp y. Input-outp	le of tim ut manag mples of	sources. Management of e driven system. Memo ement: input-output unit RTOS.). Part 2: Parallel gy.).	bry management: r s, interrupts and I/C	nemory alloc processes,	ation ir program			
	ing methods:											
Lectures	, tutorials, co			s, consultatior		the semester students fi ce classes.	rst complete laborate	ory practice ta	asks and			
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	0	tions	Mandatory	Points	Final ex	am	Mandatory	Points			
-	er excersise d			Yes		Theoretical part of the ex	am	Yes	30.0			
		exercise attendance Yes 5.00										
	attendance		Yes 5.00									
Project												
					Liter	ature						
Ord.	A	uthor			Title		Publishe	er	Year			
1,	V. Kovačević	i M. Popov				ka u realnom vremenu 2: alnom vremenu	FTN Izdavaštvo, No	ovi Sad	2011			



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



Study Programme Accreditation

Computing and Control Engineering

	:								
Course	id:	RI43A				Databases	1		
Numbe	r of ECTS:	8							
Teache	ers:		Luković S. I	van, Mihajlović	č R. Draga	in			
Course	status:		Elective						
Numbe	r of active teac	hing classes	s (weekly)						
L	ectures:	Practical of	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	4	1		2		0		1	
Precon	dition courses					•			
1. Educ	cational goal:								
	students' edu nentation, use				n fundan	nental knowledge in da	atabases and learn	basic techn	iques
2. Educ	cational outcom	nes (acquire	d knowleda	e):					
The ac Informa	quired knowle ation System E	dge is used Engineering	d in practic , Business	e and in future Informatics, E	e enginee Database	ring courses: Databases Systems.	s 2, Software Specil	fication and N	Modelin
3. Cour	rse content/stru	icture:							
nanaye	ement system.	Duta mouci							relation
data mo languag Sequer 4. Teac Teachir teachin	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed g process, stud	al dependen ical data str & B-tree file d through leaders are co	cy and the ructures ar organizations ssons, oral onstantly mo	relation schem d file systems on. Transactio and computer otivated to an in	e key. Fu s. Method on data pr exercises ntensive d	ndamentals of database s and process of file org ocessing. s (in the computer classro liscussion, problem orien	design. The database ganization. Pile, Sec nom), as well as cons ted reasoning, indep	e managemer quential, Has sultations. Thi endent study	nt syste h, Inde rough th work ar
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data mo langua, Sequer 4. Teachir teachin active p earning	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed g process, stud participation in g at least 30 pc Pre-examina	al dependen ical data str & B-tree file d through lea dents are co the whole lea bints.	cy and the ructures ar organization ssons, oral onstantly more ecturing pro-	relation schem d file systems on. Transactio and computer otivated to an in ocess. The pre	e key. Fu s. Method on data pr exercises ntensive d erequisite evaluation Points	ndamentals of database s and process of file org ocessing. s (in the computer classro liscussion, problem orien to enter final exam is to	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre-	e managemer quential, Has sultations. Thi endent study	nt syste h, Inde rough th work ar ments b
data mo languag Sequer 4. Teachir teachin active p earning Comple	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed g process, stud participation in g at least 30 pc Pre-examina ex exercises	al dependen ical data str & B-tree file d through lea dents are co the whole lea bints.	cy and the ructures ar organization ssons, oral onstantly more ecturing pro-	relation schem d file systems on. Transactio and computer btivated to an in bcess. The pre-	e key. Fu s. Method on data pr exercises ntensive d erequisite evaluation Points 10.00	ndamentals of database s and process of file orgocessing. (in the computer classro liscussion, problem orien to enter final exam is to (maximum 100 points)	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre-	e managemen quential, Has sultations. Thi endent study exam assign	nt syste h, Inde rough th work ar ments t
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data mo languag Sequer 4. Teachir teachin active p earning Comple Comple Comple Comple Comple Comple Comple	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed participation in g at least 30 pc Pre-examina ex exercises ex exercises ex exercises ex exercises ex exercises ex exercises ex exercises task	al dependen ical data str & B-tree file d through lea dents are co the whole lea bints.	cy and the ructures ar organization ssons, oral onstantly more ecturing pro-	relation schem d file systems on. Transactio and computer otivated to an in ocess. The pre- Knowledge e Mandatory Yes Yes Yes Yes No Yes	e key. Fu s. Method on data pr exercises intensive d evaluation Points 10.00 10.00 10.00 10.00 10.00 10.00	ndamentals of database s and process of file orgocessing. c (in the computer classro liscussion, problem orien to enter final exam is to (maximum 100 points) Final e: Oral part of the exam	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre-	e managemer quential, Has sultations. Thi endent study exam assign Mandatory	nt syste h, Inde: rough th work ar ments b Point:
data mo languag Sequer 4. Teac Teachin teachin active p earning Comple Comple Comple Comple Comple	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed participation in g at least 30 pc Pre-examina ex exercises ex exercises ex exercises ex exercises ex exercises ex exercises ex exercises task	al dependen ical data str & B-tree file d through lea dents are co the whole lea bints.	cy and the ructures ar organization ssons, oral onstantly more ecturing pro-	relation schem d file systems on. Transaction and computer otivated to an in ocess. The pre- Knowledge e Mandatory Yes Yes Yes Yes No	e key. Fu s. Method on data pr exercises intensive d evaluation Points 10.00 10.00 10.00 10.00 15.00	ndamentals of database s and process of file orgocessing. (in the computer classro liscussion, problem orien to enter final exam is to (maximum 100 points) Final exam Oral part of the exam	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre-	e managemer quential, Has sultations. Thi endent study exam assign Mandatory	nt syste h, Inde rough th work ar ments t
data mo languag Sequer 4. Teac Teachin teachin active p earning Comple Comple Comple Comple Comple Comple Comple Comple	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed g process, stud participation in g at least 30 pc Pre-examina ex exercises ex exercises ex exercises ex exercises ex exercises ex exercises task task	al dependen ical data str & B-tree file d through leadents are co the whole leadents. ation obligati	cy and the ructures ar organization ssons, oral onstantly more ecturing pro-	relation schem d file systems on. Transactio and computer otivated to an in ocess. The pre- Knowledge e Mandatory Yes Yes Yes Yes No Yes	e key. Fu s. Method on data pr exercises ntensive d evaluation Points 10.00 10.00 10.00 10.00 10.00 15.00 Liter	ndamentals of database s and process of file orgocessing. (in the computer classro liscussion, problem orien to enter final exam is to (maximum 100 points) Final exam Oral part of the exam	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre-	e managemer quential, Has sultations. Thi endent study exam assign Mandatory Yes	nt syste h, Inde rough th work ar ments t Point 30.0
data mo languag Sequer 4. Teac Teachin active p earning Comple Comple Comple Comple Comple Project Project Ord.	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed participation in gat least 30 pc Pre-examina ex exercises ex exercises ex exercises ex exercises ex exercises task task	al dependen ical data str & B-tree file dents are co the whole h pints. ation obligati	cy and the ructures ar organization ssons, oral nostantly mo ecturing pro- ons	relation schem d file systems on. Transaction and computer brivated to an in ocess. The pre- Knowledge e Mandatory Yes Yes Yes Yes No Yes Yes No Yes	e key. Fu s. Method on data pr exercises ntensive d evaluation Points 10.00 10.00 10.00 10.00 10.00 15.00 Liter Title	ndamentals of database of s and process of file orgocessing. s (in the computer classron is consistent or the computer classron is to enter final exam is to (maximum 100 points) Final exam Social part of the exam state of the ex	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre- xam	e managemer quential, Has sultations. Thi endent study exam assign Mandatory Yes	nt syste h, Inde rough th work ar ments t Point 30.0
data mo languag Sequer 4. Teach Teachin active p earning Comple C	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed g process, stud participation in g at least 30 pc Pre-examina ex exercises ex ex exercises ex ex e	al dependen ical data str & B-tree file dents are co the whole h pints. ation obligati	cy and the ructures ar organization of the second s	relation schem d file systems on. Transaction and computer otivated to an in ocess. The pre- Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	e key. Fu s. Method on data pr exercises intensive of evaluation Points 10.00 10.00 10.00 10.00 15.00 Liter Title ii i projekto	ndamentals of database s and process of file orgocessing. (in the computer classro liscussion, problem orien to enter final exam is to (maximum 100 points) Final e: Oral part of the exam	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre- xam Publishe FTN, Novi Sad	e managemer quential, Has sultations. Thi endent study exam assign Mandatory Yes	rough th work ar ments th Point 30.0 Year 1998
data mo languag Sequer 4. Teac Teachin active p earning Comple Co	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed g process, stud participation in g at least 30 pc Pre-examina ex exercises ex exercises ex exercises ex exercises ex exercises ex exercises task task task Mihajlović Dr Mogin Pavle	al dependen ical data str & B-tree file dents are co the whole le bints. ation obligati	cy and the ructures ar organization ssons, oral onstantly mo ecturing pro- ons	relation schem d file systems on. Transaction and computer trivated to an in ocess. The pre- Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	e key. Fu s. Method on data pr exercises intensive d evaluation Points 10.00 10.00 10.00 10.00 15.00 15.00 Liter Title i projekto i organiza	ndamentals of database of s and process of file orgocessing. s (in the computer classron is consistent or the computer classron is to enter final exam is to (maximum 100 points) Final exam Social part of the exam state of the ex	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre- xam Publishe FTN, Novi Sad CET Beograd	e managemer quential, Has sultations. Thi endent study exam assign Mandatory Yes	rough th work ar ments th 30.0 Year 1998 2008
data mo languag Sequer 4. Teach Teachin active p earning Comple C	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed g process, stud participation in g at least 30 pc Pre-examina ex exercises ex exercises ex exercises ex exercises ex exercises task task Mihajlović Dr Mogin Pavle Mogin Pavle	al dependen ical data str & B-tree file dents are co the whole h pints. ation obligati ation obligati	cy and the ructures ar organizations ssons, oral instantly mo ecturing pro- ons ons ins infor Struk	relation schem d file systems on. Transaction and computer otivated to an in ocess. The pre- Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	e key. Fu s. Method on data pr exercises intensive d evaluation Points 10.00 10.00 10.00 10.00 15.00 15.00 Liter Title i projekto i organiza	ndamentals of database s and process of file orgocessing. (in the computer classro liscussion, problem orien to enter final exam is to (maximum 100 points) Final e: Oral part of the exam	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre- xam Publishe FTN, Novi Sad	e managemer quential, Has sultations. Thi endent study exam assign Mandatory Yes	rough th work ar ments th Point 30.0 Year 1998
data mo languag Sequer 4. Teac Teachin active p earning Comple Co	odel. Functiona ge SQL. Phys ntial and Index ching methods: ng is performed g process, stud participation in g at least 30 pc Pre-examina ex exercises ex exercises ex exercises ex exercises ex exercises ex exercises task task task Mihajlović Dr Mogin Pavle	al dependen ical data str & B-tree file d through leadents are co the whole leadents are co the whole leadents. ation obligati ation obligati suthor ragan , Luković Iva R., Weinbe	cy and the ructures ar organization ssons, oral instantly me ecturing pro- ons ons ins instantly me ecturing pro- ons ins instantly me instantly instant instantly me instantly me i	relation schem d file systems on. Transaction and computer trivated to an in ocess. The pre- Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	e key. Fu s. Method on data pr exercises intensive d erequisite evaluation Points 10.00 10.00 10.00 10.00 15.00 15.00 Liter Title i i projekto i organiza aka	ndamentals of database is and process of file orgocessing.	design. The database ganization. Pile, Sec bom), as well as cons ted reasoning, indep complete all the pre- xam Publishe FTN, Novi Sad CET Beograd Fakultet tehničkih n	e managemer quential, Has sultations. Thi endent study exam assign Mandatory Yes	rough th work ar ments t Point 30.0 Year 1998 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

Computing and Control Engineering

Course:												
Course id:	E234		Compilers									
Number of E	ECTS: 4		uvajdžin Rakić B. Zorica									
Teacher:		Suvajdžir	n Rakić B. Zorica									
Course state	ls:	Elective										
Number of a	ctive teaching class	ses (weekly	veekly)									
Lectu	res: Practica	al classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:				
2		0	2		0		0					
Precondition	n courses				•							
1. Education	nal goal:											
					uage into another, princ of constructing compiler		eration, tools	for their				
2. Education	al outcomes (acqui	red knowle	dge):									
The acquire	d knowledge forms	a basis for	the future engine	ering cour	ses.							
3. Course co	ontent/structure:											
analysis, (Ir		generation,	Memory control	and table	languages. Grammars an of symbols, (Intermedia							
4. Teaching	methods:											
Lectures, co	omputer practice, c				ments include four tests nts necessary for obtaini		ect. Final exa	mination				
			Knowledge e	evaluation	(maximum 100 points)							
Pr	e-examination oblig	ations	Mandatory	Points	Final ex	kam	Mandatory	Points				
Project			Yes	30.00	Theoretical part of the ex	am	Yes	30.00				
Test			Yes	10.00								
Test			Yes 10.00									
Test			Yes 10.00									
Test			Yes 10.00									
				Liter	ature							
Ord.	Author		Title Publisher Year									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:		_										
Course id: E	23B	Fur	Fundamentals of Computer Networks 1									
Number of ECTS: 4												
Teachers:	Baš	ičević V. Ilija, Samard	žija M. Dra	agan								
Course status:	Ele	ctive										
Number of active teachi	ing classes (w	veekly)										
Lectures:	Practical clas	ses: Other teach	ing types:	Study resea	rch work:	Other cla	sses:					
2	0	1 0 1										
Precondition courses		I										
1. Educational goal:												
0	ntal knowledg	e about computer netv	vorks and	are able to design and rea	lize simple commun	ication progra	ms.					
2. Educational outcome	s (acquired k	owledge).										
	· ·	0,										
Knowledge about basic communication program		idards and technologi	es in the f	ield of computer networks	, and the ability des	sign and realiz	e simple					
3. Course content/struct												
controllers in a compute architecture of network	er system. Ne connectivity p	twork connectivity cor processors (access, pa	nponents. Issage and	es of networks, network t Software for managing n d combined). Network con r, transport layer, network	etwork connectivity nectivity processor	components. software. Ope	Physica n system					
4. Teaching methods:							,					
Lectures: Tutorials. Con	noutor prostio	o Consultations										
			isses on d	eveloping their examination	on paper.							
		Knowledge	evaluation	(maximum 100 points)								
Pre-examination	on obligations	Mandatory	Points	Final ex	am	Mandatory	Points					
Complex exercises		Yes	20.00	Coloquium exam		No	20.00					
Computer exercise atter	ndance	Yes	5.00	Theoretical part of the exa	ım	Yes	40.00					
Lecture attendance		Yes	5.00	Practical part of the exam	- tasks	Yes	30.00					
Literature												
Ord. Aut	thor		Title		Publishe	er	Year					
1, V. Kovačević, M. Popović i Ž. Osnovi računarskih mreža, skripta. 2007												
'' Jurca			, -									



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



UNDERGRADUATE ACADEMIC STUDIES Computing and

Computing and Control Engineering

Table 5.2 Course specification Course: Fundamentals of Process and Energy Engineering Course id: E2313 Number of ECTS: 4 Teacher: Gvozdenac D. Dušan Course status: Elective Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 2 0 1 0 1 Precondition courses None 1. Educational goal: Introduction to technological, mechanical, electrical and control characteristics of industrial processes. Students learn about some energy intensive industrial processes (food industry, paper industry, cement industry, petrochemical industry, etc...). Students gain knowledge about the simultaneous analysis of the flows of raw materials on the one hand, and the flow of energy and water, on the other. Control and monitoring of these flows requires their modeling in real time. 2. Educational outcomes (acquired knowledge): Students will learn about all relevant technological processes in industry and will be able to perform the calculation of all the major flows of materials and energy. Students learn to analyze parameters that substantially affect product quality, safety, control and efficiency. 3. Course content/structure: Fundamentals of industrial processes in which change the chemical or physical-chemical properties of matter. Plants for basic energy transformations and their properties (boilers, cooling towers, compressed air, transformers, motors, etc.). Analysis of industrial processes (food industry - production of sugar, edible oil, meat and meat products, milk and dairy products, canning fruits and vegetables ..., paper industry, cement industry, oil industry and petroleum distillates. Modern control methods of industrial processes. 4. Teaching methods: Lectures. Exercises. Consultation. Knowledge evaluation (maximum 100 points) Mandatory Points Mandatory Points Pre-examination obligations Final exam 10.00 Theoretical part of the exam Test 40.00 Yes Yes Test Yes 10.00 Practical part of the exam - tasks Yes 30.00 Test 10.00 Yes Literature Ord. Title Publisher Year Author 1. D. Gvozdenac Upravljanje energetski intezivnih industrijskih procesa FTN 2013 A. Bejan, G. Tsatsaronis, M. 2, Thermal Design and Optimization John Woley/Sons 1996 Moran 3 Design of Thermal Systems McGraw-Hill 1989 W. F. Stoecker L. C. Witte, P. S. Schmidt, D Hemispere Publishin 4, Industrial Energy Management and Utilization 1988 Corporation R. Brown



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:				Decl time control eveteres								
Course	id:	E2316		Real-time control systems								
Number	of ECTS:	8										
Teache	rs:		Jeličić D.	Jeličić D. Zoran, Rapaić R. Milan								
Course	status:		Elective									
Number	of active teac	hing classe	es (weekly	(weekly)								
L	ectures:	Practical	classes:	Other teach	ing types:	Study rese	arch work:	Other cla	isses:			
	4		1	2 0 1								
Precond	lition courses			None								
1. Educ	ational goal:											
Masterii	ng theoretical a	and practic	al principle	es of real-time co	ontrol syste	ems						
2. Educ	ational outcom	nes (acquire	ed knowled	dge):								
will be a	able to access	the relativ	e difficulty	/ of practical co	ntrol proble	al-time control systems. I ems, to access resources lution. The students will	s needed for the impl	ementation,	to design			
3. Cours	se content/stru	icture:										
systems	s. Programmir	ng languag	es for real	I-time systems.	Real-time	orm. Hardware architectur control algorithms. Imple tion). Application of optir	ementation of digital	regulators. P	arameter			
4. Teac	hing methods:											
	s. Computation in total), and t				ients. Con	sultations. The final mark	is obtained on the ba	asis of theore	tical tests			
	•			Knowledge	evaluation	(maximum 100 points)						
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points			
	ory exercise a			Yes	10.00	Oral part of the exam		Yes	30.00			
	ory exercise d	efence		Yes	45.00			-				
Test				Yes	5.00							
Test			Yes 10.00									
						ature						
Ord.	-	uthor		winte in order	Title	-	Publishe	er	Year			
1,	Zoran Jeličić Boris Jakovlj			baić, Skripta iz primene upravljačkih algoritama u realnom vremenu 2010								
2,	National Inst			bView – user ma			National Instrument	S	2003			
3,	Phillip A. Lap Ovaska	olante , Sep		eal-Time System e Practitioner	s Design a	and Analysis: Tools for	Wiley-IEEE Press		2011			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:					_				
Course	id:	E238A			Cont	trol Systems Te	chnology		
Number	of ECTS:	6							
Teache	rs:		Kulić J. Fili	ip, Petrovački Lj	. Nebojša				
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:
	2	0		3		0		1	
Precond	dition courses								
1. Educ	ational goal:								
Student	s learn about r	modern tec	nnologies a	ind developmen	t trends in	the filed of control syste	ms.		
2. Educ	ational outcom	nes (acquire	d knowledg	ge):					
The acc	uired knowled	lge can be i	used in solv	ving practical en	gineering	problems and form the b	asis for future engine	ering course	s.
3. Cours	se content/stru	icture:							
classes SCADA projects	with semi- inc), as well as u s for industrial	dustrial plar inderstandi purposes.	its (tempera ng of proce Visits to ir	ature regulation	s, level ar red with r and othe	sic theoretical knowledge nd flow, Ph value, DC mo eal life industrial plants. er institutions which appl	otor, robotic hand, dig Current computer ba	ital signal pr sed automat	ocessing, tic control
4. Teac	hing methods:								
taken in	the form of co	olloquium.	Colloquium	and examination	on are writ	nsultations. Part of the c ten and oral. Both parts a t of the examination.			
				Knowledge e	valuation	(maximum 100 points)		-	
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	
Project				Yes		Oral part of the exam		Yes	50.00
					Litera	ature			
Ord.		uthor			Title		Publishe	er	Year
1,	Robert N. Ba	iteson		oduction to Cont			Prentice Hall		2002
2,	Filip Kulić			ini materijali za j ema	preamet t	tehnologije upravljačkih			2005



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2	Course	specification
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Course:	:											
Course		E240	F	Fundamentals of DSP Architecture and Algorithms 1								
		4										
Teache		-	Temerinac F	emerinac R. Miodrag								
Course	status:		Elective	-								
Number	r of active teac	hing classe	s (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:			
	2	C)	2		0		0				
Precond	dition courses											
1. Educ	ational goal:											
Student process	0	dge about	algorithms ar	nd their progra	am realiza	ations on processors with	architecture charact	eristic of digi	ital signal			
2. Educ	ational outcom	nes (acquire	ed knowledge	e):								
Knowle	dge about noti	ons and pro	ocedures cha	racteristic of a	algorithms	and digital signal process	sor architecture.					
3. Cours	se content/stru	icture:										
	0					rsion. Discrete signal tran rum estimation.	sformation software.	Software for	FIR filter			
4. Teac	hing methods:											
	s: Tutorials. Co				sses on d	eveloping their examination	on paper.					
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	tion obligation	ions	Mandatory	Points	Final ex	am	Mandatory	Points			
Project				Yes	30.00	Coloquium exam		No	40.00			
Theoretical part of the exam Yes 30.00												
					1 :+	Practical part of the exam	1 - TASKS	Yes	40.00			
Ord.		uthor			Title	ature	Publishe	r l	Year			
01a. 1.	S. Berber		Digita	Ina obrada sig		;	FTN	;I	2004			
۱,	O. Deibei		Digita	แก่ล บบเล่นส์ รี่ไป	gilala		1 1 1 1		2004			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:													
Course	id:	E2311		Automation in smart office-residential buildings									
Number	r of ECTS:	4											
Teache	er:		Čongradac	D. Velimir									
Course	status:		Elective										
Number	r of active teac	hing classe	s (weekly)										
L	.ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:				
	2	C)	2		0		0					
Precon	dition courses		None										
1. Educ	ational goal:												
Student	ts gain theoreti	cal and pra	ctical knowl	edge about aut	omation o	f office-residential buildin	gs.						
2. Educ	ational outcom	es (acquire	ed knowledg	ie):									
The acc	quired knowled	ge can be	used in solv	ing base engine	eering pro	blems and practical appl	ications in building au	itomation field	ł.				
3. Cour	se content/stru	icture:											
residen	tial buildings a	utomation.	DCS archite	ecture in buildir	ig automat	n of office and residential tion systems. Communica d residential buildings.							
4. Teac	hing methods:												
Lecture student practica	es, computer ts answer prol al part of the ex	and labora blem quest kam is take	ions. The o n in comput	oral part of the er laboratory (c	exam is v colloquium	eoretical part of the cour worth up to 30 points an and exam) and through mputer assignments and	d based on a set of homework assignme	exam question ts. The final	ons. The				
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examina	tion obligat	ions	Mandatory	Points	Final ex	am	Mandatory	Points				
Project				Yes		Oral part of the exam		Yes	30.00				
						Practical part of the exan	n - tasks	Yes	40.00				
						ature							
Ord.		luthor	Štan	Title Publisher Štampani materijal koji pokriva pojedina izlaganja i ,					Year				
1,	Profesor Roger W. Ha	ines Doual	vežt	be					2005				
2,	Hittle		Syst	tems for heating	g, ventilati	ng and air conditioning	Springer		2008				



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:												
Course i	id:	E233		Internet Networks								
Number	of ECTS:	4										
Teacher	'S:		Konjović D. 2	Zora, Markovi	ć Milan,	Okanović Đ. Dušan						
Course s	status:		Elective									
Number	of active teac	hing classe	es (weekly)									
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
	2	()	2		0		0				
Precond	lition courses			None		•	•					
1. Educa	ational goal:											
Students	s learn about t	he theoreti	cal bases and	d technologies	s of TCP/II	⊃ networks.						
2. Educa	ational outcom	ies (acquire	ed knowledge	e):								
	anding basic t computer netv				g practica	I knowledge necessary fo	r design, implementa	ation and main	ntenance			
3. Cours	se content/stru	cture:										
dynamic Commun protectic signatur	Passive and active equipment for realization of computer network, structured cabling. TCP/IP networks: ISO reference model and TCP/IP, data transmission (basics of OSI 1 protocol) Ethernet and serial connections (basics of OSI 1 protocol), IPv4, ICMPv4, routing principles, dynamic routing protocols, UDP, TCP, DNS, IP new generation. Communication devices: hub, switch, router. Network services (SMTP). Evolution of campus networks (VLAN, VPN). Monitoring, control, protection of network: SNMP, package filtering, cryptography, firewalls, controlled access, naming services, etherification protocols, digital signature. Wireless communication and mobile computing: evolution, standard compatibility, specific characteristics, wireless LAN and satellite based networks, mobile Internet protocol.											
the cour course i assistan independ The cour explanat	se is presente is covered at nts as well as dent task solv irse lecturer a	ed using the laboratory through hering or und and assisted aterial cover	ne necessary practice class nomework as erstanding of ants have contered at the less	didactic tools sses through signments (o the solution nsultations wi cture and prac	while stu assignme bligatory The evalu ith the stu ctice class	assignments, and consu dent active participation ents which students do in or optional). A student lation is in the form of ora idents. During the consu les, and in the case of con	is encouraged. The p ndependently or with is expected to demo al conversation with t iltations the students	bractical aspend the help of constrate the the teaching a s are given a	ect of the teaching ability of assistant. dditional			
				Knowledge e	evaluation	(maximum 100 points)						
L	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex		Mandatory	Points			
Homewo				Yes		Theoretical part of the ex	am	Yes	30.00			
Homewo	ork ory exercise at	tendance		Yes	5.00 5.00							
	ory exercise d			Yes Yes	50.00							
	attendance	2.01100		Yes	5.00							
				1 100		ature						
Ord.	A	uthor						Year				
1,	William Stall		Data	ta and Computer Communications Prentice Hall, 2004, ISBN: 0- 13-100681-9 2004								
2,	Milan Kerac		Mrežr	no bazirani sis	stemi 1 - P	riručnik za vežbe	FTN, 2004, (elektron izdanje)	nsko	2004			



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



UNDERGRADUATE ACADEMIC STUDIES Computing and

Computing and Control Engineering

Table 5.2 Course specification

Course: Computational Intelligence Fundamentals Course id: E236A Number of ECTS: 8 Teachers: Konjović D. Zora, Obradović J. Đorđe Course status: Elective Number of active teaching classes (weekly) Other teaching types: Study research work: Lectures: Practical classes: Other classes: 4 0 3 0 1 Precondition courses None 1. Educational goal: Students learn about the basic principles and techniques of "classical" artificial intelligence and soft computing. 2. Educational outcomes (acquired knowledge): Identification, structure and techniques of solving problems which require intelligence. 3 Course content/structure 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. 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 point 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 Computer exercise attendance 5.00 Yes Theoretical part of the exam Yes 30.00 Homework 2.00 Yes Lecture attendance 3.00 Yes Project 25.00 Yes 15.00 Project task Yes Term paper 20.00 Yes Literature Ord. Author Title Publisher Year Prentice Hall, 2003, ISBN: 0-Stuart Russel, Peter Norwig Artificial Intelligence: A Modern Approach 2003 1. 13-790395-2 David Poole Alan Oxford University Press, 1998, 2, Computational Intelligence A Logical Approach 1998 ISBN 0-19-510270-3 Mackworth, Randy Goebel Đorđe Obradović, Zora FTN, 2004, (elektronsko 2004 3 Računarska inteligencija - Priručnik za vežbe izdanje) Konjović 4, 2002 M. Wooldridge An Introduction to Multiagent Systems John Wiley and Sons



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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

Computing and Control Engineering

Course	:														
Course	id:	E239A		Web Programming											
Number	r of ECTS:	6													
Teache	rs:		Sladić S.	Goran, Vidakovi	ć P. Milan										
Course	status:		Elective												
Number	r of active teac	hing classe	s (weekly))											
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:						
	3	0		2		0		1							
Precond	condition courses None														
1. Educ	ational goal:														
	Students learn to solve problems in the field of Web programming, which covers knowledge of HTTP protocols, Server and JSP technology as well As organization and architecture of web applications.														
2. Educ	ational outcom	nes (acquire	d knowled	lge):											
The acc	quired knowled	ge forms th	e basis fo	r the future engir	neering co	urses.									
3. Cour	se content/stru	icture:													
program	nming. Client method and file	- server ar	chitecture	. HTTP protoco	l fundame	uage. Input/output subsection entals. Fundamentals of criptlets. JSP declaration	servlet technology.	Session mana	agement.						
4. Teac	hing methods:														
	s. Computer p oputer laborato		nsultations	s. Theoretical par	rt of the co	ourse if examined orally.	Practical part of the e	examination is	taken in						
				Knowledge e	valuation	(maximum 100 points)									
	Pre-examina	tion obligati	ions	Mandatory	Points	Final e>	am	Mandatory	Points						
Project				Yes	50.00	Oral part of the exam		Yes	50.00						
					Liter	ature									
Ord.	A	uthor			Title	•	Publishe		Year						
1,	B. Milosavlje	vić, M. Vida	ković Java i Internet programiranje Grupa za informacione 2002						2002						
2,	B. Eckel		Mis	Misliti na Javi Mikro knjiga, Beograd 2002											
3,	C. Horstman	n, G. Corne	ll Co	Core Java 2V Sun Microsystems Press, 2005											
4,	Danilo Obrac	lović	Os	novi računarstva	1		Stylos		Santa Clara 2005						



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course specification Course: Software Specification and Modeling Course id: E242 Number of ECTS: 8 Teachers: Perišić R. Branko, Milosavljević R. Gordana Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Study research work: Other classes: Other teaching types: 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 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 Final exam Mandatory Points Computer exercise attendance 5.00 Theoretical part of the exam Yes 20.00 Yes Lecture attendance 5.00 Practical part of the exam - tasks Yes 30.00 Yes Project task 40.00 Yes Literature Ord. Author Title Publisher Year Branko Perišić "Specifikacija i modeliranje softvera Elektronska verzija-PDF,PPT 2005 1. 2. S.L.Pfleeger, J. M. Atlee Softversko inženjerstvo Teorija i praksa, treće izdanje Prentica Hall, CET-Beograd 2006 "Requirements Analysis and System Design" 2001 3. L. A. Maciaszek Addisom Wesley Developing Information Systems with UM 4, OMG OMG web sajt www.omg.org 2007 Grady Booch, James 5. UML Vodič za korisnika CET, Beograd 2000 Rumbaugh, Ivar Jacobson



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course												
Course		E243		Human Computer Interaction								
	-	4										
		4	luctió V Droc	etić V. Dragan, Mihajlović R. Dragan, Hajduković P. Miroslav								
Teache				jan, minajiovi	CR. Draga	an, hajoukovic P. Millosia	V					
Course			Elective									
	r of active tead	-				1	1					
L	ectures:	Practical		Other teachi	ng types:	Study resea		Other cla	sses:			
_	2	C)	1		0		1				
Precon	dition courses											
1. Educ	ational goal:											
Student	s learn to desi	gn and imp	lement basic	forms of hum	an compu	ter interaction.						
2. Educ	ational outcom	nes (acquire	ed knowledge)):								
The acc	quired knowled	lge and skil	Is are the bas	is for develop	ing softwa	are of high utility capacity	in the future courses	and professio	onal life.			
3. Cour	se content/stru	icture:										
HCI de	velonment an	d nrohlems	llser-center	ed and nartic	rinated de	sign. Essential knowled	ne in cognitive psycl	hology heurig	stics and			
						on and analysis. Understa						
notation	ns. HCI protot	ypes and t	heir evolution	n. UI Develop	oment Too	ols. HCI design spaces:						
	entation and		n. Interaction	devices. Us	ability and	a evaluation.						
4. Teac	hing methods:											
Lecture	s, computer p	ractice, cor	sultations. Th	ne course ma	terial is di	vided into two parts and	is tested in two tests	during the du	iration of			
						exity and minimal functions a prerequisite for taking						
						nination, tests and praction						
				Knowledge e	evaluation	(maximum 100 points)		1 1				
	Pre-examina	ation obligat	tions	Mandatory	Points	Final ex		Mandatory	Points			
	x exercises			Yes		Theoretical part of the ex	am	Yes	30.00			
Test				Yes	10.00							
Test				Yes	10.00							
		uth an			Litera			<u> </u>				
Ord. 1,	D. Ivetić,	luthor	Intorol	kcija čovek ra	Title		Publishe		Year 2012			
2,	Ben Shneide	rman	Desigi	ning the User	Interface	- Strategies for Effective	-		1998			
3,	Alan Dix, Jar	net Finlay,		<u>n-Computer I</u> n-Computer I					1998			
<u>,</u>	Gregory Abo Jenny Preec	wd e Yvonne				, ~ _~						
4,	Rogers, Hele Benyon		Huma	Human-Computer Interaction					1995			
5,	M. van Harm					erface Design	Addison-Wesley		1997			
6,	Marry B. Ros Carroll	son, John	M. Usabil of HCI		ng – Scena	ario-Based Development			2002			
	Carroli											



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



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course specification Course: Logic Design of Computer Systems 2 Course id: E230 Number of ECTS: 8 Teacher: Atlagić S. Branislav Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Study research work: Other classes: Other teaching types: 4 0 3 0 Precondition courses 1. Educational goal: Students learn about the basics of computer systems and are trained to design a central processor and realize simple assembler programs. 2. Educational outcomes (acquired knowledge): Knowledge about basic notions, standards and technologies in the field of computer systems as well as ability to design and realize simple computer structures. 3. Course content/structure: Introduction (definition of structure, single processor and multiprocessor structures, functional units, methods of connecting functional units). Central processor design (signal timing, address regimes, machine language, description of processor in VHDL, processor management). Memory design (RAM, DRAM, FLASH memory, methods for increasing memory reliability, associative memory, fast memory, hidden memory, memory management) Input- Output subsystem (methods and techniques of U/I subsystem communication with CPU, peripheral units, input output management). Transmission lines between functional units (standards, ISA, PCI, etc). Computer systems with multiple functional units. Local area networks as multiprocessor structures. Examples of computer structure design with VHDL (microcontroller, ALU) Assembler language, Macroassembler language, Machine --program connection. Examples of practical programming of devices. 4. Teaching methods: Lectures. Tutorials. Computer practice. Consultations. Students attend lectures and computer practice classes. At the end of the semester the acquired practical knowledge is assessed at the regular examination. The examination is taken using computer and suitable literature. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Laboratory exercise defence 30.00 Coloquium exam No Yes Theoretical part of the exam Yes Practical part of the exam - tasks Yes Literature Ord Author Title Publisher LOGIČKO PROJEKTOVANjE RAČUNARSKIH V.Kovačević Univerzitet u Novom Sadu 1. SISTEMA PROJEKTOVANJE RAČUNARSKIH SISTEMA, 2, Branislav Atlagić skripta 3. Zoran Krajačević PRAKTIKUM LABORATORIJSKIH VEŽBI

Points

40.00

40.00

30.00

Year

1996

1996

1996



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:				_							
Course	id:	E23B1		Computer Network Fundamentals 2							
Number	of ECTS:	4									
Teache	rs:		Samardžija	mardžija M. Dragan, Bašičević V. Ilija							
Course	status:		Elective								
Number	of active teac	hing classes	s (weekly)								
L	ectures:	Practical of	classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	isses:		
	2	0		2 0 0							
Precond	lition courses		-	None							
1. Educ	ational goal:										
Student	Students gain fundamental knowledge about computer networks and are able to design and realize simple communication programs.										
2. Educ	ational outcom	ies (acquire	d knowledg	e):							
	dge about bas		standards a	and technologie	es in the fi	eld of computer networks	s, and the ability desi	ign and reali	ze simple		
3. Cours	se content/stru	cture:									
directio	n and identifi	cation. Inte	ercomputer	. Designing a t communication ecture and service	on device	of computer networks. Fl s. Network operating s	ow control in comput ystems (administrat	ter networks. ion, supervi	Network sion and		
4. Teac	ning methods:										
	s: Tutorials. Co s work during				sses on de	eveloping their examinati	on paper.				
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	ition obligati	ons	Mandatory	Points	Final ex	am	Mandatory	Points		
Project	task			Yes	30.00	Coloquium exam		No	40.00		
					-	Theoretical part of the ex		Yes	30.00		
						Practical part of the exam	n - tasks	Yes	40.00		
					Litera						
Ord.		uthor	4 : Ž		Title		Publishe	er	Year		
1,	V. Kovačević Jurca	, w. Popovi	Osno	ovi računarskih	mreža, sk	kripta	FTN		2007		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course	specification
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Course	:		_									
Course	id:	E2401	Fi	Fundamentals of DSP Architecture and Algorithms 2								
Numbe	r of ECTS:	4										
Teache	er:		Temerinac R	emerinac R. Miodrag								
Course	status:		Elective									
Number of active teaching classes (weekly)												
L	.ectures:	Practical	classes:	Other teaching	ng types:	Study resea	arch work:	Other cla	isses:			
	2	0		1		0		1				
Precon	dition courses	-		None								
1. Educ	ational goal:											
Student	•	edge about	algorithms ar	nd their progra	am realiza	ations on processors with	architecture charact	eristic of digi	tal signal			
2. Educ	ational outcom	nes (acquire	d knowledge	e):								
Knowle	dge about noti	ons and pro	cedures cha	racteristic of a	Ilgorithms	and digital signal process	or architecture.					
3. Cour	se content/stru	ucture:										
	re for digital si coding. Audic					or digital processing of auware.	idio signals. Softwar	e for quantiz	ation and			
4. Teac	hing methods:											
Lecture Student	es: Tutorials. Co ts work during	omputer pra	actice. Consu er at compute	Itations. er practice clas	sses on d	eveloping their examination	on paper.					
				Knowledge e	valuation	(maximum 100 points)						
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	am	Mandatory	Points			
Project	task			Yes	30.00	Coloquium exam		No	40.00			
						Theoretical part of the ex		Yes	30.00			
						Practical part of the exam	n - tasks	Yes	40.00			
						ature						
Ord.		Author			Title	<u>;</u>	Publishe	r	Year			
1,	S. Berber		Digita	Ina obrada sig	gnala		FTN		2004			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:			_	_							
Course id:	E244		Selected Chapters in Physical Architecture Design								
Number of ECTS:	6										
Teachers:		Teslić Đ. Ni	kola, Pjevalica	U. Neboj	ša						
Course status:		Elective									
Number of active teac	hing classe	s (weekly)									
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
3	0		2		0		1				
Precondition courses					ł						
1. Educational goal:											
Students will be able design.	to design, ı	realize and	test complex of	digital sys	tems by learning about s	elected chapeters ir	n physical arc	hitecture			
2. Educational outcom	nes (acquire	d knowledge	e):								
Ability to design, realize	ze and test r	ohysical arch	hitecture of cor	nplex diai	tal systems.						
3. Course content/stru	icturo:	,									
reduction methods. Putact). Connection circ aspects of designing Problems of real time	rinted board cuits in com complex co e system so upply of com	s (basic noti nputer syste mputer syste oftware (dev nputer syste	ions, compone ems (standard temsand typica vice handlers) ems (mains ad	nt mounti s, compo al problen . Basic te	act distribution, power su ng, cooling, recommendat nents, application of pro ns (multi-access memorie schniques for studying pt tch converters, linear reg	ions for printed boar grammable sequen s, speed converters hysical architecture	ds with high fi tial networks and level cor of computer	requency). Some nverters). systems.			
4. Teaching methods: Lectures. Tutorials. Co	omputer pra	ctice. Consu	ultations.								
attend computer prac	ed into two l tice classes	blocks. In the During the	e first block s	c students a	ttend theoretical classes of work on their examination	during the mornings on papers.	. In the aftern	oon they			
			Knowledge e	evaluation	(maximum 100 points)						
Pre-examina	ation obligati	ions	Mandatory	Points	Final ex	am	Mandatory	Points			
Homework			Yes		Coloquium exam		No	20.00			
Homework			Yes		Coloquium exam		No Yes	20.00			
Homework			Yes			heoretical part of the exam		30.00			
Homework Test			Yes	5.00 10.00	Practical part of the exam	ı - tasks	Yes	40.00			
1651			Yes								
0-4					ature	Detroit	1	N			
Ord. A	Author			Title projektov	e /anja fizičke arhitekture,	Publishe	er	Year 2005			
	.,	skript	te								



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



Study Programme Accreditation

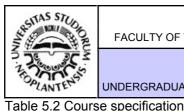
UNDERGRADUATE ACADEMIC STUDIES

skripta

Computing and Control Engineering

Table 5.2	Course	specification
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Course:				Dedicated Computer Structure Design 1							
Course	id:	RT52A		Ded	icated	Computer Stru	cture Design	1			
Number	of ECTS:	8									
Teache	r:		Pap I. Ištva	an							
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	isses:		
	4	()	3 0 1							
Precond	lition courses			None		•					
1. Educ	ational goal:										
Student	s will learn ab	out the bas	ics of desig	ning dedicated	computer	structure using VHDL.					
2. Educ	ational outcom	nes (acquir	ed knowled	ge):							
	s know the ba je of multiproo				ired for d	esigning dedicated comp	outer structures and a	are able to u	se VHDL		
3. Cours	se content/stru	icture:									
						n the field of intercompute ors. Examples and practi			Design in		
4. Teac	hing methods:										
During f	s, Tutorials, Co he term stude er practice cla	nts attend			ctice class	es. During the term stude	ents work on their exa	amination pa	per at the		
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points		
Project				Yes	30.00	Coloquium exam		No	40.00		
	Theoretical part of the exam Yes 30.00										
						Practical part of the exam	n - tasks	Yes	40.00		
					Liter	ature					
Ord.	Α	uthor			Title		Publishe	er	Year		
1,	B. Atlagić			ijektovanje name	enskih rač	unarskih struktura,			2007		



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

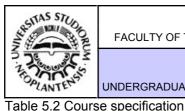


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course: Biomedical Engineering Technologies Course id: AUN43 Number of ECTS: 4 Teachers: Jorgovanović Đ. Nikola, Bojanić M. Dubravka Course status: Elective Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 2 0 2 0 0 Precondition courses None 1. Educational goal: This course is students' first encounter with the field of biomedical engineering. The objective of the course is to provide, through carefully selected examples from this field, introduction and first encounter with this multidisciplinary scientific discipline. 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in future education and engineering subjects. 3. Course content/structure: Engineering in medicine: basic postulates and standards. Methods for protection of patients and medical staff from the negative effects of electrical current when measuring biomedical signals. Medical instrumentation in electro physiology: structure of instrumentation, methods of connection, protection from interference and noise. Telemedicine: remote transmission of medical signals and images, wireless sensors. Clinical laboratory instrumentation: electro-chemical sensors, automatic counting and detection of red blood cells. Sensors for measuring biomechanical quantities 4. Teaching methods: Theoretical aspects are presented at lecture classes, with practical examples. In the laboratory practice classes and through the obligatory project tasks students further develop this knowledge and gain practical skills. Interactive work with students is achieved at consultations Knowledge evaluation (maximum 100 points) Mandatory Points Mandatory Points Pre-examination obligations Final exam Homework 5.00 30.00 Yes Oral part of the exam Yes Homework Yes 5.00 Laboratory exercise defence 30.00 Yes Test 10.00 Yes Test 10.00 Yes Test 10.00 Yes Literature Title Ord Author Publisher Year D. Popović, M. Popović, M. Akademska misao, Biomedicinska merenja i instrumentacija 2010 1 Janković Elektrotehnički fakultet Beograd



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course: Software design for SCADA systems Course id: E2312 Number of ECTS: 8 Teachers: Erdeljan M. Aleksandar, Vukmirović M. Srđan, Čapko Lj. Darko Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 3 0 1 Precondition courses None 1. Educational goal: Mastering theoretical and practical basics of software design for SCADA systems 2. Educational outcomes (acquired knowledge): Acquired knowledge can be used in solving specific engineering problems, and it also represents a basis for taking other professional courses. 3. Course content/structure: Architecture of Supervisory Control and Data Acquisition (SCADA) systems; Architecture of component for collecting data from industry systems; Reliability and availability of the system; Design of real-time data base; Design of component for collecting and processing alarms and events. Design of user interface (forms, geographical views, engineering view); Design of subsystem for batches, reporting, distributed calculation; Design of component for integration with enterprise systems; Mobile applications is SCADA. 4. Teaching methods: Lectures. Computer practice. Consultations. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Project 30.00 Yes Oral part of the exam Yes 30.00 Test 10.00 Yes Test 10.00 Yes Test 10.00 Yes Test 10.00 Yes Literature Ord Author Title Publisher Year Davi Baliey Practical SCADA for Industry Newnes 2003 1.



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:									
Course id:		E2314		Mic	roproc	cessor Based Co	ontrol Device	S	
Number of	f ECTS:	8							
Teachers:			Jorgovanov	vić Đ. Nikola, B	ojanić M.	Dubravka			
Course sta	atus:		Elective						
Number of	f active teac	hing classe	es (weekly)						
Lect	tures:	Practical	classes:				Other cla	sses:	
	4	C)	3		0		1	
Precondition	on courses		None						
1. Education	onal goal:								
Acquiring basic knowledge about microprocessor based control devices.									
2. Educatio	onal outcom	es (acquire	ed knowledg	e):					
Students le	earn about t	echnologie	s and develo	opment trends	in the field	d of microprocessor based	control devices.		
3. Course	content/stru	cture:							
critical se keyboards	ctions (inter Galvanic is	rrupts, higl solation of	h speed inp digital and a	uts and outpu nalog inputs ar	ts,timers/ nd outputs	and DMA controllers. M counters). Communications. Electromagnetic compartion on interfaces: RS485, RS	on controllers: UAR tibility and protection.	F, I2C, SPI. Architecture	Displays, es of PLC
4. Teachin	ig methods:								
Lectures. I	Laboratory p	oractice. Co	onsultations.						
				Knowledge e	evaluation	(maximum 100 points)			
F	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points
,	/ exercise de	efence		Yes		Oral part of the exam		Yes	30.00
Project				Yes	30.00	_			
Test Test				Yes	10.00 10.00	-			
1651				Yes					
Ord.	Ord Author				Title	ature	Publisher		Year
	A Alilan Prokin		Mike	oprocesorska e		-	Akademska misao	1	2003
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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

Computing and Control Engineering

Computer excersise defence Yes 10.00 Theoretical part of the exam Yes 3 Computer excersise defence Yes 10.00 Test Yes 10.00 Test Yes 10.00 Literature Ord. Author Title Publisher Yes 1 Compact Geographical Information Systems and Computer	Course:	:			Geospatial Technologies							
Number of ECTS: 4 Teachers: Govedarica J. Miro, Pribičević I. Boško Course status: Elective Number of active teaching classes (weekly) Elective Lectures: Practical classes: Other teaching types: Study research work: Other classes 2 0 1 0 1 Precondition courses None 1 1 1. Educational goal: Students will gain fundamental and applied knowledge in the field of geomatics and geoinformatics. Introduction to the current geosptechnologies and areas of application. 2 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in engineering courses and in solving engineering problems using geospatial technologies. 3. Course content/structure: Place and role of geospatial data (GNSS, photogrammetry, remote sensing, laser scanning), CPS – technology bases applications. Data classification and segmentation. Laser scanning – principles and applications. Remote sensing – principles and applications. Remote sensing – principles in vafields. Interpretation and presentation explications of visualization of geoopatial data (SNSS behotogrammetry, remote sensing, laser scanning), CPS – technology bases applications. Data classification and segmentation. Laser scanning – principles and applications. Remote sensing – principles in vafields. Interpretation with geoinformation systems. 4. Teaching methods: Teaching methods: Teaching methods int	Course	id:	F241		Geospatial Technologies							
Teachers: Govedarica J. Miro, Pribičević I. Boško Course status: Elective Number of active teaching classes (weekly) Study research work: Other classes 2 0 1 0 1 Precondition courses None 1 1. Educational goal: Students will gain fundamental and applied knowledge in the field of geomatics and geoinformatics. Introduction to the current geos technologies and areas of application. 2 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in engineering courses and in solving engineering problems using geospatial technologies. 3. Course content/structure: Place and role of geospatial data (GNSS, photogrammetry, remote sensing, laser scanning), GPS – technology bases applications. Data classification and segmentation. Laser scanning – principles and applications. Interpretation and presentation effekts. Interaction with geonformation systems. 4. Teaching methods Knowledge evaluation (maximum 100 points) Knowledge evaluation (maximum 100 points) Pre-examination obligatory assignments: written tests: final examination is oral. Knowledge evaluation (maximum 100 points) Pre-examination obligatory assignments: written tests: final exam Maximum 2 Computer excersise defence Yes 10.00		-						-				
Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: Other classes: Other teaching types: Study research work: Other classes: Students will gain fundamental and applied knowledge in the field of geomatics and geoinformatics. Introduction to the current geosplicational outcomes (acquired knowledge): The acquired knowledge is used in engineering courses and in solving engineering problems using geospatial technologies. Sourse content/structure: Place and role of geospatial technologies. Basic terms and terminology. Reference frame. Sensors systems. Geosensors systems networks. Acquisition of geospatial data (Other Sky, photogrammetry - principles and applications. Interpretation and presentati geospatial data. Visualization. Technology bases and applications of visualization. Applicati				Govedarica	J. Miro, Pribič	ević I. Boš	ko					
Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classe: 2 0 1 0 1 Precondition courses None 1 0 1 1. Educational goal: Students will gain fundamental and applied knowledge in the field of geomatics and geoinformatics. Introduction to the current geos technologies and areas of application. 2 Educational outcomes (acquired knowledge): The acquired knowledge is used in engineering courses and in solving engineering problems using geospatial technologies. 3. Course content/structure: Place and role of geospatial data (GNSS, photogrammetry, remote sensing, laser scanning). GPS – technology bases applications. Data acquisition using GNSStechnology. Photogrammetry - principles and applications. Remote sensing - principles applications. Technology bases and applications. Interpretation and presentati geospatial data. Visualization. Technology bases and applications of visualization. Application of geoinformation systems. 4. Teaching methods: Teaching methods: Teaching methods: Final examination obligatory assignments. Evaluation: grant independent work on obligatory assignments. Evaluation: grand independently developed obligatory assignments. Evaluation: grand independently developed obligatory assignments. Final exam Mandatory Pre- Computer excer	Course	status:			,							
Lectures: Practical classes: Other teaching types: Study research work: Other classe 2 0 1 0 1 Precondition courses None 1 0 1 1. Educational goal: Students will gain fundamental and applied knowledge in the field of geomatics and geoinformatics. Introduction to the current geost technologies and areas of application. 2 Educational outcomes (acquired knowledge): The acquired knowledge is used in engineering courses and in solving engineering problems using geospatial technologies. 3. Course content/structure: Place and role of geospatial technologies. Basic terms and terminology. Protogrammetry - principles and applications. Remote sensing - principles and applications. Interpretation and presentati geospatial data. Visualization. Technology bases and applications of visualization. Application of geoinformation systems. 4. Teaching methods include lectures, computer practice, consultations , independent work on obligatory assignments. Evaluation: grand independently developed obligatory assignments; written tests; final examination is oral. Mandatory Priot Computer excersise defence Yes 10.00 Computer excersise defence Yes 10.00 Theoretical part of the exam Yes 2 Computer excersise defence Yes 10.00 Theoretical part of the exam Yes			hing classe									
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Students will gain fundamental and applied knowledge in the field of geomatics and geoinformatics. Introduction to the current geost technologies and areas of application. 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in engineering courses and in solving engineering problems using geospatial technologies. 3. Course content/structure: Place and role of geospatial technologies. Basic terms and terminology. Reference frame. Sensors systems, Geosensors systems networks. Acquisition of geospatial data (GNSS, photogrammetry - principles and applications. Remote sensing - principles applications. Data classification and segmentation. Laser scanning - principles and applications. Remote sensing - principles applications. Data classification and segmentation. Laser scanning - principles and applications in technologies in variaties of visualization. Technology bases and applications of visualization. Application of geoinformation technologies in variaties. 4. Teaching methods: Teaching methods: Teaching methods include lectures, computer practice, consultations , independent work on obligatory assignments. Evaluation: grand independently developed obligatory assignments; written tests; final examination is oral. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Computer excersise defence Yes 10.00 Computer excersise defence Yes 10.00 Computer excersise defence Yes 10.00	Precond	dition courses			None			I				
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3. Course content/structure: Place and role of geospatial technologies. Basic terms and terminology. Reference frame. Sensors systems, Geosensors systems networks. Acquisition of geospatial data (GNSS, photogrammetry, remote sensing, laser scanning), GPS – technology bases applications. Data acquisition using GNSStechnology. Photogrammetry - principles and applications. Interpretation and presentati geospatial data. Visualization. Technology bases and applications of visualization. Applications of geoinformation technologies in varields. Interaction with geonformation systems. 4. Teaching methods: Teaching methods include lectures, computer practice, consultations , independent work on obligatory assignments. Evaluation: gu and independently developed obligatory assignments; written tests; final examination is oral. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Computer excersise defence Yes 10.00 Computer excersise defence Yes 10.00 Test Yes 10.00 Test Yes 10.00 Test Yes 10.00 Cord Author Title Publisher Yes 10.00 Title Publisher Yes	2. Educ	ational outcom	nes (acquir	ed knowledg	e):							
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networks. Acquisition of geospatial data (GNSS, photogrammetry, remote sensing, laser scanning), GPS – technology bases applications. Data acquisition using GNSStechnology. Photogrammetry - principles and applications. Remote sensing - principles applications. Data classification and segmentation. Laser scanning - principles and applications. Interpretation and presentati geospatial data. Visualization. Technology bases and applications of visualization. Applications of geoinformation technologies in varields. Interaction with geonformation systems. 4. Teaching methods: Teaching methods include lectures, computer practice, consultations , independent work on obligatory assignments. Evaluation: gu and independently developed obligatory assignments; written tests; final examination is oral. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Computer excersise defence Yes 10.00 Test Yes 10.00 Test Yes 10.00 Computer excersise defence Yes 10.00 Computer excersise defence Yes 10.00 Test Yes 10.00 Test	3. Cours	se content/stru	icture:									
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Computer excersise defence Yes 10.00 Computer excersise defence Yes 10.00 Test Yes 10.00 Test Yes 10.00 Computer excersise defence Yes 10.00 Test Yes 10.00 Literature Ord. Author Title Publisher Yes 1 Geographical Information Systems and Computer Pearson Education Inc.	-				-							
Computer excersise defence Yes 10.00 Test Yes 10.00 Test Yes 10.00 Literature Ord. Author Ord. Author Title Publisher Yes 1 Colones Geographical Information Systems and Computer Pearson Education Inc.	Comput	ter excersise d	efence		Yes	10.00						
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Test Yes 10.00 Literature Ord. Author Title Publisher Yes 1 C longe Geographical Information Systems and Computer Pearson Education Inc. 190	Comput	ter excersise d	efence		Yes	10.00						
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1 C lones Geographical Information Systems and Computer Pearson Education Inc. 100												
	Ord.	A	uthor					Publishe	er	Year		
Callography	1,	C. Jones		Cartography				Pearson Education	Inc.	1997		
2, P. Mather Introduction John Wiley&Sons, Eld 200	2,	P. Mather		Computer Procesding of Remotly-Sensed Images: Introduction				John Wiley&Sons, Ltu		2004		
3, Keith R. McCloy Resource Managament Information Systems Remote Sensing, GIS and Modelling Taylor & Francis 200	3,	Keith R. McC	Cloy				mation Systems Remote	Taylor & Francis 2006		2006		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course	specification
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Course	e:								
Course	id:	E2315		Electrica	I Mach	nines in Automa	tic Control S	ystems	
Numbe	of ECTS:	6							
Teache	ers:		Oros V. Đ	ura, Kulić J. Filip	D				
Course	status:		Elective						
Numbe	er of active tead	ching classe	s (weekly)						
L	_ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	3	0)	2		0		1	
Precon	dition courses			None		•			
1. Educational goal:									
Students gain knowledge about the basic principles of electric machines that are used in systems of automatic control									
Students gain knowledge about the basic principles of electric machines that are used in systems of automatic control									
2. Educ	cational outcon	nes (acquire	ed knowled	ge):					
The ac	auired knowle	dae is used	in the solu	ution of specific	engineeri	ng problems such as the	design of control sv	stems, implerr	nentation
and ma	aintenance.	0			engineen	31	debigit of control cy	,p	
	aintenance. rse content/stru	-				5		, p	
3. Cour	rse content/stru	ucture:							
3. Cour basics of motors	rse content/stru of electromech (induction, sin	ucture: nanical conv ngle-phase	version and and three-	l principles of or phase), a perm	beration o	f rotating electrical machi gnet motor, stepper and	nes. Three-phase sy	stems. DC mo	otors, AC
3. Cour basics of motors	rse content/stru of electromech	ucture: nanical conv ngle-phase	version and and three-	l principles of or phase), a perm	beration o	f rotating electrical machi	nes. Three-phase sy	stems. DC mo	otors, AC
3. Cour basics motors source	rse content/stru of electromech (induction, sin	ucture: nanical conv ngle-phase voltage and	version and and three-	l principles of or phase), a perm	beration o	f rotating electrical machi	nes. Three-phase sy	stems. DC mo	otors, AC
3. Cour basics of motors source 4. Teac	rse content/stru of electromech (induction, sin with variable ching methods:	ucture: nanical conv ngle-phase voltage and	version and and three- I frequency	l principles of op phase), a perm /.	peration o anent ma	f rotating electrical machi	nes. Three-phase sy servo motors. Feed	stems. DC mo	otors, AC from the
3. Cour basics of motors source 4. Teac Lecture prerequ	rse content/stru of electromect (induction, sin with variable ching methods es, calculation uisite for the or	ucture: nanical conv ngle-phase voltage and : n, computer	version and and three- I frequency	l principles of op phase), a perm y. ratory practice,	peration o anent ma	f rotating electrical machi gnet motor, stepper and	nes. Three-phase sy servo motors. Feed	stems. DC mo ing of motors written part b	otors, AC from the
3. Cour basics of motors source 4. Teac Lecture prerequ	rse content/stru of electromect (induction, sin with variable ching methods es, calculation uisite for the or	ucture: nanical conv ngle-phase voltage and : n, computer	version and and three- I frequency	l principles of op phase), a perm y. ratory practice, ormed on the ba	consultat	f rotating electrical machi gnet motor, stepper and ions. The exam is writte e colloquium, homework a	nes. Three-phase sy servo motors. Feed	stems. DC mo ing of motors written part b	otors, AC from the
3. Cour basics of motors source 4. Teac Lecture prerequ	rse content/stru of electromech (induction, sin with variable ching methods: es, calculation uisite for the or m.	ucture: nanical conv ngle-phase voltage and to computer al. The fina	version and and three- d frequency and labor l grade is fo	l principles of op phase), a perm y. ratory practice, ormed on the ba	consultat ases of the	f rotating electrical machi gnet motor, stepper and ions. The exam is writte e colloquium, homework a (maximum 100 points)	nes. Three-phase sy servo motors. Feed in and oral with the assignments and the	stems. DC mo ing of motors written part b written and or	otors, AC from the being the al part of
 Cour basics (motors source Teac Lecture prerequ the exa 	rse content/stru of electromech (induction, sii with variable ching methods: es, calculation uisite for the or am. Pre-examina	ucture: nanical conv ngle-phase voltage and to computer al. The fina	version and and three- d frequency and labor l grade is fo	a principles of op phase), a perm y. patory practice, prmed on the back Knowledge e Mandatory	consultat ases of the evaluation Points	f rotating electrical machi gnet motor, stepper and ions. The exam is writte colloquium, homework a (maximum 100 points) Final ex	nes. Three-phase sy servo motors. Feed on and oral with the assignments and the	stems. DC mo ing of motors written part b written and or Mandatory	otors, AC from the being the ral part of Points
3. Cour basics of motors source 4. Teac Lecture prerequ	rse content/stru of electromech (induction, sii with variable ching methods: es, calculation uisite for the or am. Pre-examina	ucture: nanical conv ngle-phase voltage and to computer al. The fina	version and and three- d frequency and labor l grade is fo	a principles of op phase), a perm y. ratory practice, ormed on the back Knowledge of Mandatory Yes	consultat ases of the evaluation Points 10.00	f rotating electrical machi gnet motor, stepper and ions. The exam is writte colloquium, homework a (maximum 100 points) Final ex Theoretical part of the ex	nes. Three-phase sy servo motors. Feed on and oral with the assignments and the xam	estems. DC mo ing of motors written part b written and or Mandatory Yes	btors, AC from the being the ral part of Points 30.00
3. Cour basics of motors source 4. Teac Lecture prerequ the exa	rse content/stru of electromech (induction, sii with variable ching methods: es, calculation uisite for the or am. Pre-examina	ucture: nanical conv ngle-phase voltage and to computer al. The fina	version and and three- d frequency and labor l grade is fo	a principles of op phase), a perm y. patory practice, prmed on the back Knowledge e Mandatory	consultat ases of the evaluation Points 10.00	f rotating electrical machi gnet motor, stepper and ions. The exam is writte colloquium, homework a (maximum 100 points) Final ex	nes. Three-phase sy servo motors. Feed on and oral with the assignments and the xam	stems. DC mo ing of motors written part b written and or Mandatory	btors, AC from the being the al part of Points 30.00
3. Cour basics of motors source 4. Teac Lecture prerequ the exa Homew Test	rse content/stru of electromech (induction, sii with variable ching methods: es, calculation uisite for the or am. Pre-examina	ucture: nanical conv ngle-phase voltage and to computer al. The fina	version and and three- d frequency and labor l grade is fo	a principles of op phase), a perm y. atory practice, ormed on the base Knowledge of Mandatory Yes Yes	consultates of the evaluation Points 10.00 10.00	f rotating electrical machi gnet motor, stepper and ions. The exam is writte colloquium, homework a (maximum 100 points) Final ex Theoretical part of the ex	nes. Three-phase sy servo motors. Feed on and oral with the assignments and the xam	estems. DC mo ing of motors written part b written and or Mandatory Yes	btors, AC from the being the ral part of Points 30.00
3. Cour basics of motors source 4. Teac Lecture prerequ the exa Homew Test	rse content/stru of electromect (induction, sin with variable ching methods: es, calculation uisite for the or am. Pre-examina vork	ucture: nanical conv ngle-phase voltage and to computer al. The fina	version and and three- d frequency and labor l grade is fo	a principles of op phase), a perm y. atory practice, ormed on the base Knowledge of Mandatory Yes Yes	consultates of the evaluation Points 10.00 10.00	f rotating electrical machi gnet motor, stepper and ions. The exam is writte colloquium, homework a (maximum 100 points) Final ex Theoretical part of the examination Practical part of the examination rature	nes. Three-phase sy servo motors. Feed on and oral with the assignments and the xam	estems. DC mo ing of motors written part b written and or Mandatory Yes Yes	btors, AC from the being the al part of Points 30.00
3. Cour basics of motors source 4. Teac Lecture prerequithe exa Homew Test Test	rse content/stru of electromect (induction, sin with variable ching methods: es, calculation uisite for the or am. Pre-examina vork	ucture: nanical conv ngle-phase voltage and computer al. The fina ation obligat	version and and three- t frequency and labor grade is for tions	a principles of op phase), a perm y. ratory practice, ormed on the back Knowledge e Mandatory Yes Yes Yes Yes	consultat ases of the evaluation 10.00 10.00 Liter Title	f rotating electrical machi gnet motor, stepper and ions. The exam is writte colloquium, homework a (maximum 100 points) Final ex Theoretical part of the examination Practical part of the examination rature	nes. Three-phase sy servo motors. Feed on and oral with the assignments and the xam am n - tasks	er	btors, AC from the being the ral part of Points 30.00 40.00
3. Cour basics of motors source 4. Teac Lecture prerequ the exa Homew Test Test Ord.	rse content/stru of electromech (induction, sin with variable ching methods: es, calculation jusite for the or am. Pre-examina vork	Author	version and and three- d frequency and labor l grade is for tions	a principles of op phase), a perm y. atory practice, ormed on the ba Knowledge e Mandatory Yes Yes Yes	consultat ases of the evaluation 10.00 10.00 Liter Title CHINES, D	f rotating electrical machi gnet motor, stepper and ions. The exam is writte colloquium, homework a (maximum 100 points) Final examples Theoretical part of the examples Practical part of the examples patteres colloquium, homework a	nes. Three-phase sy servo motors. Feed on and oral with the assignments and the xam am n - tasks	written part b written and or Mandatory Yes Yes er	btors, AC from the being the al part of Points 30.00 40.00 Year



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:										
Course	id:	E23SP			Profe	ssional Practice	e – Project			
Number	of ECTS:	3								
Teacher	'S:									
Course	status:		Mandatory	/						
Number	of active tead	hing classe	es (weekly)							
Lectures: Practical classes: Other teaching types: Study research work: Other classes 0 0 0 0 3							asses:			
	0	C)	0 0 3						
Precond	lition courses		-	None						
1. Educa	ational goal:									
Student	s expand their	practical k	nowledge i	n the field of con	nputing ar	nd control engineering				
2. Educa	ational outcom	nes (acquire	ed knowled	ge):						
The acq	uired knowled	lge can be	used in solv	ving practical en	gineering	problems.				
3. Cours	se content/stru	ucture:								
Solving	concrete engi	neering pro	blems in pr	ractice.						
4. Teach	ning methods:									
Teachin	g is performed	d in industri	al or scient	ific and educatio	nal institu	tions, in the form of indivi	dual work.			
				Knowledge e	valuation	(maximum 100 points)				
	Pre-examina	ation obligat	tions							
Homewo	Homework Yes 70.00 Theoretical part of the exam Yes							30.00		
					Liter	ature				
Ord.	A	Author			Title		Publishe	۶r	Year	
1,	grupa autora	I		govarajući mater Ikretnih problem		iodan za rešavanje			nema	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:				Digital Control Systems					
Course	id:	AU41			D	igital Control Sy	vstems		
Number	of ECTS:	7							
Teache	rs:		Jeličić D.	Zoran, Rapaić R	. Milan				
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	dition courses		·						
1. Educ	ational goal:								
Student	s gain theoreti	cal and pra	actical know	al knowledge about computer control systems.					
	•			a knowledge about computer control systems.					
2. Educ	ational outcom	nes (acquire	ed knowled	dge):					
The acc	uired knowled	ge is used	in solving	practical enginee	ering probl	ems and form the basis f	or future professiona	l courses.	
3. Cours	se content/stru	icture:							
Introdu	ction to digital	control sv	stems Sa	ampling and hold	nrocess	Direct digital control. z	-transform Concept	of digital sta	te snace
models	. Pulse transf	er functior	n. Analysis	s of digital syste	ms. Digita	al system stability. Digit	al control system de	esign: regula	
regulate	ors, servo reg	ulators, ca	ancellation	i controllers, sta	te space	regulators. Implementat	tion of digital contro	l algorithms.	
4. Teac	hing methods:								
						y practice. Consultations			
						s based on a set of exam part being prerequisite fo			
						the written and oral par			
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Project				Yes	30.00	Coloquium exam		No	40.00
					-	Oral part of the exam		Yes	30.00
				Practical part of the exam - tasks Yes					40.00
				Literature					
Ord.		uthor			Title		Publishe	er	Year
1,	M. Stojić		Dię	gitalni sistemi upr	ravljanja		Nauka, Beograd		1990
2,	Lj. DGrujić			skretni sistemi			Mašinski fakultet, E	leograd	1980
3,	R. Isermann			igital Control Sys			Springer-Verlag		1989
4,	K. Astrom, B	 Wittemar 	k Co	omputer-Controll	ed System	IS	Prentice hall		1997



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	e:								
Course	e id:	AU42		Tech	inical l	Equipment for C	ontrol Syster	ns	
Numbe	er of ECTS:	4							
Teache	ers:		Jorgovanov	vić Đ. Nikola, B	ojanić M.	Dubravka			
Course	status:	Í	Elective						
Numbe	er of active teac	hing classe	s (weekly)						
L	_ectures:	Practical	classes:	Other teachi	ng types:	Study resea	irch work:	Other clas	sses:
	2	0		2 0 0					
Precon	dition courses	-		None		•			
1. Educ	cational goal:								
-	ing knowledge about electrical measuring instruments and ways of measuring basic measuring quantities. Knowledge about seniors, iric, hydraulic and pneumatic servo systems and industrial regulators.								
2. Educ	cational outcom	nes (acquire	d knowledg	e):					
	quired knowled	· ·	U	,	engineerin	g subjects.			
	rse content/stru	-			-				
Errors in measurement. Standards and rule books for measuring instruments (measuring and indicated range, precision class, refer conditions, test intensity, markings). Electrical measuring instruments (moving coil instrument, soft iron instrument, digital instrumed Measuring basic physical quantities (current, voltage, power, resistance). Physical basics of sensors. Electrical servo systems. Hydr servo systems. Pneumatic servo systems. Application of industrial regulators (temperature regulator, pressure regulator, pneur						eference			
pressu	re regulator, a	matic serve	systems.	voltage, powe	r, resistar industrial	nce). Physical basics of se	ensors. Electrical ser regulator, pressure	vo systems. H regulator, pr	lydraulic
•	re regulator, a	matic serve nalogue an	systems.	voltage, powe	r, resistar industrial	nce). Physical basics of se regulators (temperature	ensors. Electrical ser regulator, pressure	vo systems. H regulator, pr	lydraulic
4. Teac	<u> </u>	matic servo nalogue an	o systems. d digital ele	voltage, powe Application of ectronic regula	er, resistar industrial ators). Log	nce). Physical basics of se regulators (temperature	ensors. Electrical ser regulator, pressure	vo systems. H regulator, pr	lydraulic
4. Teac	ching methods:	matic servo nalogue an	o systems. d digital ele	voltage, powe Application of ectronic regula	r, resistar industrial ators). Log tations.	nce). Physical basics of se regulators (temperature	ensors. Electrical ser regulator, pressure	vo systems. H regulator, pr	lydraulic
4. Teac	ching methods:	matic serve nalogue an nd laborator	o systems. d digital ele y practice c	voltage, powe Application of ectronic regula	r, resistar industrial ators). Log tations.	nce). Physical basics of se regulators (temperature gic automata (relay, elec	nsors. Electrical ser regulator, pressure tronic, programmabl	vo systems. H regulator, pr	lydraulic
4. Teac Lecture Homew	ching methods: es, computer ar Pre-examina vork	matic serve nalogue an nd laborator	o systems. d digital ele y practice c	voltage, powe Application of ectronic regula lasses. Consul Knowledge e	r, resistar industrial ators). Log tations. evaluation Points	nce). Physical basics of se regulators (temperature gic automata (relay, elec (maximum 100 points)	nsors. Electrical ser regulator, pressure tronic, programmabl	vo systems. F regulator, pr le).	Hydraulić neumatic
4. Teac Lecture Homew Project	ching methods: es, computer ar Pre-examina vork	matic serve nalogue an nd laborator	o systems. d digital ele y practice c	voltage, powe Application of ectronic regula lasses. Consul Knowledge e Mandatory	r, resistar industrial ators). Log tations. evaluation Points 5.00 15.00	nce). Physical basics of se regulators (temperature gic automata (relay, elec (maximum 100 points) Final ex	nsors. Electrical ser regulator, pressure tronic, programmabl	vo systems. H regulator, pr e). Mandatory	Hydraulić neumatic Points
4. Teac Lecture Homew Project Test	ching methods: es, computer ar Pre-examina vork	matic serve nalogue an nd laborator	o systems. d digital ele y practice c	voltage, powe Application of ectronic regula lasses. Consult Knowledge e Mandatory Yes Yes Yes	r, resistar industrial ators). Log tations. evaluation Points 5.00 15.00 10.00	nce). Physical basics of se regulators (temperature gic automata (relay, elec (maximum 100 points) Final ex	nsors. Electrical ser regulator, pressure tronic, programmabl	vo systems. H regulator, pr e). Mandatory	Hydraulić neumatic Points
4. Teac Lecture Homew Project Test Test	ching methods: es, computer ar Pre-examina vork	matic serve nalogue an nd laborator	o systems. d digital ele y practice c	voltage, powe Application of ectronic regula lasses. Consult Knowledge e Mandatory Yes Yes Yes Yes	r, resistar industrial ators). Log tations. evaluation Points 5.00 15.00 10.00 10.00	nce). Physical basics of se regulators (temperature gic automata (relay, elec (maximum 100 points) Final ex	nsors. Electrical ser regulator, pressure tronic, programmabl	vo systems. H regulator, pr e). Mandatory	Hydraulić neumatic Points
4. Teac Lecture Homew Project Test	ching methods: es, computer ar Pre-examina vork	matic serve nalogue an nd laborator	o systems. d digital ele y practice c	voltage, powe Application of ectronic regula lasses. Consult Knowledge e Mandatory Yes Yes Yes	r, resistar industrial ators). Log tations. evaluation Points 5.00 15.00 10.00 10.00 10.00	nce). Physical basics of se regulators (temperature gic automata (relay, elec (maximum 100 points) Final ex Oral part of the exam	nsors. Electrical ser regulator, pressure tronic, programmabl	vo systems. H regulator, pr e). Mandatory	Hydraulić neumatic Points
4. Teac Lecture Homew Project Test Test Test	ching methods: es, computer ar Pre-examina vork task	matic serve nalogue an ad laborator	o systems. d digital ele y practice c	voltage, powe Application of ectronic regula lasses. Consult Knowledge e Mandatory Yes Yes Yes Yes	r, resistar industrial ators). Log tations. evaluation Points 5.00 15.00 10.00 10.00 Liter	ince). Physical basics of se regulators (temperature gic automata (relay, elec (maximum 100 points) Final ex Oral part of the exam	am	vo systems. H regulator, pr e). Mandatory Yes	Aydraulić neumatic Points 50.00
4. Teac Lecture Homew Project Test Test	ching methods: es, computer ar Pre-examina vork task	matic serve nalogue an nd laborator	o systems. d digital ele y practice c	voltage, powe Application of ectronic regula lasses. Consult Knowledge e Mandatory Yes Yes Yes Yes	r, resistar industrial ators). Log tations. evaluation Points 5.00 15.00 10.00 10.00 10.00	ince). Physical basics of se regulators (temperature gic automata (relay, elec (maximum 100 points) Final ex Oral part of the exam	nsors. Electrical ser regulator, pressure tronic, programmabl	vo systems. H regulator, pr e). Mandatory Yes	Hydraulić neumatic Points



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:				Fundamentals of Biomedical Engineering						
Course id:		AU43		Fund	damer	itals of Biomedic	cal Engineerii	ng		
Number of	f ECTS:	6								
Teachers:			Jorgovanov	vić Đ. Nikola, B	ojanić M.	Dubravka, Rosić Mirko				
Course sta	atus:		Elective							
Number of	f active teacl	ning classe	s (weekly)	eekly)						
Lec	tures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:	
	3	C)	2 0 0						
Preconditi	on courses			None		•				
1. Educati	onal goal:			<u>.</u>						
Acquiring basic knowledge in the field of biomedical engineering.										
2. Educati	onal outcom	es (acquire	ed knowledg	nowledge):						
The acquired knowledge is used in future education and engineering subjects.										
3. Course	content/strue	cture:								
for electrony Electromy instrument and pulse	ophysiologic yography, r tation. Electr e measurem	cal measu nethod ar rocardiogra nent. Elect	rements ar id instrume aphy, basics rical stimul	nd electrical st entation for n of hart function	timulation nyoelectr ning. ECC ogical ba	cal amplifiers and electro n. Electroneurography, of ic signal measurement G instrumentation. Characo ses. Construction of mo- mulation.	conduction velocity Electroencephalo teristic waveforms of	of periphera graphy, met ECG. Blood	I nerves hod and pressure	
4. Teachir	ng methods:									
	-	actice, pro	ject tasks. C	Consultations.						
				Knowledge e	evaluation	(maximum 100 points)				
F	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points	
Homework	<			Yes	5.00	Coloquium exam		No	20.00	
Homework	<			Yes	5.00	Oral part of the exam		Yes	30.00	
Test				Yes	10.00	Practical part of the exan	n - tasks	Yes	20.00	
Test				Yes	10.00					
Test				Yes	10.00					
Test			Yes	10.00						
					Liter	ature				
Ord.		uthor	Title		9	Publisher		Year		
1, C).Popović, M	. Popović	Bion	nedicinska instr	rumentacij	ja i merenja	Nauka, Beograd		1997	
2, /	A.C. Guyton,	J.E. Hall	Мес	dicinska fiziolog	jija		Savremena admini Beograd	stracija,	1999	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course id: AU44 Control Systems Design Number of ECTS: 7 T Teacher: Kulić J. Filip Course status: Elective Number of active teaching classes (weekly) Elective Other teaching types: Study research work: Other classes: 4 0 4 0 0 0 Precondition courses 1. Educational goal: Students gain knowledge about the basic principles of designing automatic control systems and forming design documentation in accordance with the current rules and legal regulations and bases of automatic control in the field of power engineering. 2. Educational outcomes (acquired knowledge): The acquired knowledge can be used in solving practical engineering problems and form the basis for future professional courses. 3. Course content/structure: Introduction (problem definition, project task, types of projects and their content: feasibility study, concept, general, main, executive, project revision, leaders, schells, schells, schells, how their distructure and orgical topical development and project tosical engineering, and processing industy, national and important international standards (structure) Introduction (problem definition, project task, types of projects and their content: feasibility study, concept, general, main, executive, project revision, industry, entonal and important international standards (structure), eaplication and important international standards related to project development an	Course:				Control Systems Design								
Teacher: Kulić J. Filip Course status: Elective Number of active teaching classes: Other teaching types: Study research work: Other classes: 4 0 4 0 0 Precondition courses I. Educational goal: Studynts gain knowledge about the basic principles of designing automatic control in the field of power engineering. 2. Educational goal: Students gain knowledge about the basic principles of designing automatic control in the field of power engineering. 2. Educational outcomes (acquired knowledge): The acquired knowledge can be used in solving practical engineering problems and form the basis for future professional courses. 3. Course content/structure: Introduction (problem definition, project task, types of projects and their content: feasibility study, concept, general, main, executive, project revision, design regulations and recommendations). Standards (structure and content of standards related to project development and project documentation in electrical engineering, mechanical engineering and processing industry, netroin and important intermational standards. SRPS, ANSI, ISA, HEE, IEC, DL NV DE Technical documentation(standard graphic symbols, labeis, schemes, diagrams, tables). Modern software for developing technical documentation standard graphic symbols, labeis, schemes, diagrams, tables). Modern software for developing technical documentation standards and the exitem and oral systems in industry. 4. Teaching methods: Lectures: Computer - laboratory practice. Consultations. The exam is	Course	id:	AU44		Control Systems Design								
Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: Other classes: Other classes: Study research work: Other classes: Students gain knowledge about the basic principles of designing automatic control systems and forming design documentation in accordance with the current rules and legal regulations and bases of automatic control in the field of power engineering. Educational outcomes (acquired knowledge): The acquired knowledge can be used in solving practical engineering problems and form the basis for future professional courses. Course content/structure: Introduction (problem definition, project task, types of projects and their content: feasibility study, concept, general, main, executive, project reside to design regulations and recommendations.) Standards (structure and content of standards related to project development and project documentation in electrical engineering, mechanical engineering and processing industry, netro distribution system (hot/codd water), electric power, gas, transportation system) Occupation health protection, protect match by project evision and execution. Development of a practical project related to environment characteristics. Application of automatic control systems in machine drives in industry altabal protection system protection systems in industry. Computer - laboratory practice. Consultations	Number	of ECTS:	7										
Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 4 0 0 Precondition courses	Teacher			Kulić J. F	ilip								
Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 4 0 0 Precondition courses 0 0 1. Educational goal: Students gain, knowledge about the basic principles of designing automatic control systems and forming design documentation in accordance with the current rules and legal regulations and bases of automatic control in the field of power engineering. 2. Educational outcomes (acquired knowledge): The acquired knowledge can be used in solving practical engineering problems and form the basis for future professional courses. 3. Course content/structure: Introduction (problem definition, project task, types of projects and their content: feasibility study, concept, general, main, executive, project resiston, design regulations and recommendations). Standards (structure and content of standards related to project development and project documentation in electrical engineering mechanical engineering and processing industry, electric motor drive, water distribution system. Development of a practical project related to particular projetime and oral practical exercition, project rolated to particular project related to particular project methated to particular project methated to particular project related to particular project related theracteristics. Application of automatic control systems in industry. Not	Course	status:		Elective									
4 0 4 0 0 Precondition courses 1. Educational goal: 3. Educational outcomes (acquired knowledge): The acquired knowledge can be used in solving practical engineering problems and form the basis for future professional courses. 3. Course content/structure: Introduction (problem definition, project task, types of projects and their content: feasibility study, concept, general, main, executive, orgical resistors, design regulations and recommendations). Standards (structure and content of standards related to project development and project documentation in electrical engineering, mechanical engineering and processing industry, national and important international standards (related to project development of a practical project resisted to particular problem (processing industry, electric motor driv, water distribution system or drive). NVDE) Technical documentation (E-pian, AUTOCAD, MIS Project). Supervision and execution, thost system (hot/cold water), electric power, gas, transportation system) Occupation health protection, protection against electric shock in industry. Actuators in industry, physical properties and environment characteristics. Application of automatic control systems in machine drives in industry physical properties and environment characteristics. Application of automatic control against electric shock in industry. 4. Teaching methods: Lectures; Computer - laboratory practice. Consultations. The exam is written and oral, with the written part being prerequisite for the oral. The fi	Number	of active teac	hing classe	es (weekly))								
Precondition courses 1. Educational goal: Students gain knowledge about the basic principles of designing automatic control systems and forming design documentation in accordance with the current rules and legal regulations and bases of automatic control in the field of power engineering. 2. Educational outcomes (acquired knowledge): The acquired knowledge can be used in solving practical engineering problems and form the basis for future professional courses. 3. Course content/structure: Introduction (problem definition, project task, types of projects and their content feasibility study, concept, general, main, executive, project revision, design regulations and recommendations). Standards (structure and content of standards related to project development and project documentation in electrical engineering, mechanical engineering and processing industry, national and important international standards: SRPS, ANSI, ISA, IEEE, IEC, DIN, VDE,) Technical documentation (Fipel, Pan, AUTOCAD, MS Project). Supervision and execution. Development of a practical project related to particular problem (processing industry, electric motor drive, water distribution system (hot/cod) water), electric power, gas, transportations system). Occupation health protection, protection against electric shock in industry. Atoutars in industry, homework assignment and the written and oral part of the exam. 4. Teaching methods: Lectures: Computer - laboratory practice. Consultations. The exam is written and oral, with the written part being prerequisite for the oral. The final grade is formed on the bases of achievements at the colloquium, homework assignment and the written and oral part of the exam. Vei </td <td>L</td> <td>ectures:</td> <td>Practical</td> <td>classes:</td> <td>Other t</td> <td>teachi</td> <td>ng types:</td> <td>Study rese</td> <td>arch work:</td> <td>Other cla</td> <td>isses:</td>	L	ectures:	Practical	classes:	Other t	teachi	ng types:	Study rese	arch work:	Other cla	isses:		
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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

Computing and Control Engineering

Course:	:			Geoinformation Systems								
Course	id:	AU54		Geoinformation Systems								
Number	r of ECTS:	4										
Teache	rs:		Govedarica	a J. Miro, Mihaji	ović R. Dra	agan						
Course	status:		Elective									
Number	r of active teac	hing classes	s (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	vork: Other class				
	2	0		2		0						
Precon	dition courses			None		•						
1. Educ	ational goal:											
Students will gain fundamental and applied knowledge in the field of geomatics, geoinformatics and geoinformation systems. Introduction to the current GIS tools and areas of GIS application.												
2. Educ	ational outcom	nes (acquire	d knowledg	e):								
The acc	quired knowled	lge is used i	n engineeri	ngineering courses and in solving engineering problems using GIS technology.								
3 Cour	se content/stru	ucture:										
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course: Course id: E2K40A Soft Computing									
Course i	d:	E2K40A	Soft Computing						
Number	of ECTS:	7							
Teachers	S:		Nenadić M.	Goran, Obrad	ović J. Đo	orđe			
Course s	status:		Elective						
Number	of active teac	hing classe	es (weekly)						
Le	ctures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	4	0)	3 0 0					
Precondi	ition courses	-		None		•			
1. Educa	itional 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. Cours	e content/stru	icture:							
networks	nary computir s. Machine lea istic reasonin	arning: sup	ervised lear	ning, unsuperv	mming, m /ised learı	ultiple intelligence, evolut ning, reinforcement learni	ionary strategies. Nei ing. Fuzzy systems: f	ural computin luzzy sets, fu	ıg: neural zzy logic.
4. Teach	ing methods:								
Practica nonoblig exam – c at least 3 Course	atory laborati colloquium (2- 30% of the po	course is o ory tasks. T -4). Partial o ints at the p ned on the	examined ir The task are exam is a pa previous one e basis of le	e marked. Part art of the exam e. Partial exami	of the con ination. A inations a	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	al whole can be taken t partial examination i The final examination	n in the form if he/she has is oral.	of partial achieved
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
	er exercise at	tendance		Yes		Theoretical part of the ex	am	Yes	30.00
Lecture attendance Yes 5.00									
Project Yes 25.00									
Project taskYes15.00Term paperYes20.00									
i erm pa	per			Yes	20.00				
Ord. 1,	A Tettamanzi,	uthor Tomassini		Computing – I Fuzzy Systems		e g Evolutionary, Neural	Publishe Springer-Verlag, 20 3540422048		Year 2001



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course	:								
Course	id:	RI41	Internet Software Architectures						
Numbe	r of ECTS:	4							
Teache	er:	Mi	osavljević	: P. Branko					
Course	status:	El	ective						
Numbe	r of active teac	hing classes (veekly)						
L	ectures:	Practical cla	sses:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	2	0		2		0		0	
Precon	dition courses	-							
1. Educational goal:									
Studen	ts gain knowle	dge about the	design and	d constructior	of multile	vel client/server systems	based on distributed	object techno	ology.
2. Educ	ational outcom	nes (acquired l	nowledge):					
	edge about teo vel, distributed					nultilevel client/server sy t technology.	stems. Students are	competent	to design
3. Cour	se content/stru	icture:							
object i	identification. nment. Transa	Technologies	of distrib	uted objects.	Lifecycle	from server environment; of distributed objects. C Dbject-relational mappir	Control of shared res	sources in di	stributed
4. Teac	hing methods:								
	es; Computer p e and oral exa		ultations.	The examina	ition is ora	al. The final grade is forn	ned on the bases of	success at la	aboratory
Knowledge evaluation (maximum 100 points)									
	Pre-examination obligations Mandatory Points Final exam Mandatory Points								
	Pre-examina	ation obligation	s	Mandatory	Points	Final ex	am	Mandatory	Points
Project		ation obligation	S	Mandatory Yes		Final ex Oral part of the exam	am	Mandatory Yes	
Project		ation obligation	s	,	45.00		am	,	Points 55.00
Project Ord.	I	ation obligation	s	,	45.00	Oral part of the exam ature	cam Publishe	Yes	
,	A B. Milosavlje	uthor vić, M. Vidako	vić Java i	,	45.00 Liter Title	Oral part of the exam ature		Yes	55.00
Ord.	A B. Milosavlje	suthor	vić Java i	Yes	45.00 Liter Title ramiranje	Oral part of the exam ature	Publishe	Yes	55.00 Year



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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

Computing and Control Engineering

Course status Carbon Status Teachers: Luković S. Ivan, Mihajlović R. Dragan Course status: Elective Number of active teaching classes (weekly) Elective Lectures: Practical classes: Other teaching types: Study research work: Other classes: 2 0 2 0 0 0 Precondition courses 1 Educational goal: Adopting the techniques and methods of database design and advanced techniques of implementation, use and maintenance databases. 2 Educational outcomes (acquired knowledge): The acquired knowledge is used in practice and in future engineering courses: Information Systems and Management, Busine Informatics, Database Systems. 3. Course content/structure: Functional dependencies and algorithms for generating relation scheme keys. Multivalued and join dependencies. Normal forms a design criteria for structuring relational database schema. Decomposition method. Synthesis method. Transformations of ER database schema design process. CASE tools for database schere design. 4. Teaching is performed through lessons, oral and computer exercises (in the computer classroom), as well as consultations. Through t teaching process, students are constantly molivated to an intensive discussion, problem oriented reasoning, independent study work a active participation in the whole lecturing process. The prerequisite to enter final exam is to complete all the pre-exam assignments earning	Course:	:			Databaaaa 2								
Teachers: Luković S. Ivan, Mihajlović R. Dragan 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 1 Educational goal: Adopting the techniques and methods of database design and advanced techniques of implementation, use and maintenance databases. 2 Educational outcomes (acquired knowledge): The acquired knowledge is used in practice and in future engineering courses: Information Systems and Management, Busine Informatics, Database Systems. Socurse content/structure: Functional dependencies and algorithms for generating relation scheme keys. Multivalued and join dependencies. Normal forms a design criteria for structuring relational database schema. Decomposition method. Synthesis method. Transformations of ER database schema intensive discussion, problem oriented reasoning, independent study work a active participation in the whole lecturing process. The prerequisite to enter final exam is to complete all the pre-exam assignments earning at least 30 points. Pre-examination obligations Mandatory Points Final exam Mandatory Point orientee teasoning. Independent study work a active participation in the whole lecturing process. The prerequisite to enter final exam is to complete all the pre-exam assignments earning at least 30 points.	Course	id:	RI43B		Databases 2								
Course status: Elective Number of active teaching classes (weekly) Elective 2 0 2 0 0 Precondition courses 1 Educational goal: Adopting the techniques and methods of database design and advanced techniques of implementation, use and maintenance databases. 2 0 0 2 Educational goal: Adopting the techniques and methods of database design and advanced techniques of implementation, use and maintenance databases. 2 Educational outcomes (acquired knowledge): The acquired knowledge is used in practice and in future engineering courses: Information Systems and Management, Busine Informatics, Database Systems. 3. Course content/structure: Functional dependencies and algorithms for generating relation scheme keys. Multivalued and join dependencies. Normal forms a design criteria for structuring relational database schema. Decomposition method. Synthesis method. Transformations of ER databas schema for structuring relational database schema. Decomposition problem oriented reasoning, independent study work a active participation in the whole lecturing process. The precusite to enter final exam is to complete all the pre-exam assignments earing at least 30 points. Vers 10.00 Complex exercises Yes 10.00 Complex exercises Yes 10.00 Cral exam Yes 30. Com	Number	r of ECTS:	6										
Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 2 0 2 0 0 Precondition courses	Teache	rs:		Luković S. I	van, Mihajlovid	č R. Draga	an						
Lectures: Practical classes: Other teaching types: Study research work: Other classes: 2 0 2 0 0 Precondition courses 1. Educational goal: 0 0 Adopting the techniques and methods of database design and advanced techniques of implementation, use and maintenance databases. 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in practice and in future engineering courses: Information Systems and Management, Busine Informatics, Database Systems. 3. Course content/structure: Functional dependencies and algorithms for generating relation scheme keys. Multivalued and join dependencies. Normal forms a design criteria for structuring relational database schema. Decomposition method. Synthesis method. Transformations of ER database schema into relational data model. Methodological approaches to database schema design process. CASE tools for database schere design. 4. Teaching methods: Teaching is performed through lessons, oral and computer exercises (in the computer classroom), as well as consultations. Through t teaching process, students are constantly motivated to an intensive discussion, problem oriented reasoning, independent study work a active participation in the whole lecturing process. The prerequisite to enter final exam Mandatory Point Complex exercises Yes 10.00 Final exam Mandatory Point	Course	status:		Elective									
2 0 2 0 0 Precondition courses 1. Educational goal: Adopting the techniques and methods of database design and advanced techniques of implementation, use and maintenance databases. 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in practice and in future engineering courses: Information Systems and Management, Busine Informatics, Database Systems. 3. Course content/structure: Functional dependencies and algorithms for generating relation scheme keys. Multivalued and join dependencies. Normal forms a design criteria for structuring relational database schema. Decomposition method. Synthesis method. Transformations of ER databaschemas into relational data model. Methodological approaches to database schema design process. CASE tools for database schere design. 4. Teaching methods: Teaching is performed through lessons, oral and computer exercises (in the computer classroom), as well as consultations. Through t teaching process, students are constantly motivated to an intensive discussion, problem oriented reasoning, independent study work a active participation in the whole lecturing process. The prerequisite to enter final exam is to complete all the pre-exam assignments earning at least 30 points. Pre-examination obligations Mandatory Points Final exam Mandatory Point Complex exercises Yes 10.00 Oral part of the exam Yes 30. Complex exercises Yes 10.00	Number	r of active teac	hing classe	es (weekly)									
Precondition courses 1. Educational goal: Adopting the techniques and methods of database design and advanced techniques of implementation, use and maintenance databases. 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in practice and in future engineering courses: Information Systems and Management, Busine Informatics, Database Systems. 3. Course content/structure: Functional dependencies and algorithms for generating relation scheme keys. Multivalued and join dependencies. Normal forms a design criteria for structuring relational database schema. Decomposition method. Synthesis method. Transformations of ER databas schema into relational data model. Methodological approaches to database schema design process. CASE tools for database scheme design. 4. Teaching methods: Teaching is performed through lessons, oral and computer exercises (in the computer classroom), as well as consultations. Through It teaching process. students are constantly motivated to an intensive discussion, problem oriented reasoning. Independent study work a active participation in the whole lecturing process. The prerequisite to enter final exam is to complete all the pre-exam assignments earning at least 30 points. Moneplate exercises Yes 10.00 Complex e	L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:			
1. Educational goal: Adopting the techniques and methods of database design and advanced techniques of implementation, use and maintenance databases. 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in practice and in future engineering courses: Information Systems and Management, Busine Informatics, Database Systems. 3. Course content/structure: Functional dependencies and algorithms for generating relation scheme keys. Multivalued and join dependencies. Normal forms a design criteria for structuring relational database schema. Decomposition method. Synthesis method. Transformations of ER databas schemas into relational data model. Methodological approaches to database schema design process. CASE tools for database schere design. 4. Teaching methods: Teaching is performed through lessons, oral and computer exercises (in the computer classroom), as well as consultations. Through t teaching process. Students are constantly motivated to an intensive discussion, problem oriented reasoning, independent study work a carve participation in the whole lecturing process. The prerequisite to enter final exam is to complete all the pre-exam assignments earning at least 30 points. Vere-examination obligations Mandatory Points Final exam Mandatory Point Complex exercises Yes 10.00 Oral part of the exam Yes 30. Complex exercises Yes 10.00 Oral part of the exam Yes 30. Complex exe		2	()	2		0		0				
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Ites Ites Exercise attendance Yes 5.00 Project Yes 20.00 Project task Yes 15.00 Literature Ord. Author Title Publisher Yea 1, Mogin Pavle, Luković Ivan, Govedarica Miro Principi projektovanja baza podataka, II izdanje Fakultet tehničkih nauka, Novi Sad 2004 2, Mogin P, Luković I. Principi baza podataka Fakultet tehničkih nauka i MP Stylos, Novi Sad 1996	Comple	x exercises			Yes					-			
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Literature Ord. Author Title Publisher Yea 1, Mogin Pavle, Luković Ivan, Govedarica Miro Principi projektovanja baza podataka, II izdanje Fakultet tehničkih nauka, Novi Sad 2004 2, Mogin P, Luković I. Principi baza podataka Fakultet tehničkih nauka i MP Stylos, Novi Sad 1996					Yes								
Ord.AuthorTitlePublisherYea1,Mogin Pavle, Luković Ivan, Govedarica MiroPrincipi projektovanja baza podataka, II izdanjeFakultet tehničkih nauka, Novi Sad20042,Mogin P, Luković I.Principi baza podatakaFakultet tehničkih nauka i MP Stylos, Novi Sad1996	Project	task			Yes	15.00							
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1, Govedarica Miro Principi projektovanja baza podataka, il izdanje Sad 2004 2, Mogin P, Luković I. Principi baza podataka Fakultet tehničkih nauka i MP Stylos, Novi Sad 1996	Ord.								-	Year			
2, Mogin P, Lukovic I. Principi baza podataka Stylos, Novi Sad 1996	1,			an, Principi projektovanja baza podataka, II izdanje				Sad		2004			
3 Date C. J. An Introduction to Database Systems (8th Edition) Addison Wesley 2004	2,	Mogin P, Luk	ović I.	Principi haza podataka					1996				
	3,	Date C. J.		An Ir	ntroduction to E	Database	Systems (8th Edition)	Addison Wesley		2004			



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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

Computing and Control Engineering

Course:	Course: Software Design								
Course	id:	RI45				Software Des	ign		
Number	of ECTS:	7							
Teache	r:		Perišić R. B	ranko					
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:
	4	1		2		C		0	
Precond	lition courses	-							
1. Educ	ational goal:								
and test	ting of comple	x software	systems. Sta	andardization	of implem	cquire knowledge and sk entation, testing, verifica ducts. Software characte	tion and validation of		
2. Educ	ational outcom	nes (acquire	ed knowledge	e):					
A the end of the course the students are able to design complex software systems based on standardized processes of implementation, testing, verification and validation of software and use of available tools for tracking software configuration and software faults. In addition they are also capable of making high quality documentation and presentations related to characteristics of complex software products.									
3. Cours	se content/stru	icture:							
software program method softwar	e architecture, n solution, con s and techniqu	styles and nstruction ues of cons tware insp	strategies. A standards an struction, tea section, soft	Aspects of soft and functionali m work and te ware integrat	ware syst ty implem am softwa ion, verifi	gn: conceptual and techr em construction: organiz entation. User interface are development, X-treer cation and validation. F	ation and structure of design. Software co n programming, code	f software, ele onstruction pr e standard an	ements of rocedure: id quality,
On the in team during	s, students wo the lectures, s	fication of e ork on prac students le	tical impleme earn about n	entation of the nethods and	knowledg technique	vithin the course: Softwa je about software constru s of presenting softwar esentation and defense	uction. Relying on two e solutions, their te	o software ins	spections
				Knowledge	evaluation	(maximum 100 points)			
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points
	ory exercise a	ttendance		Yes	-	Theoretical part of the ex	am	Yes	40.00
	attendance			Yes	5.00				
Project				Yes	50.00				
						ature			
Ord.		uthor	"Droi		Title		Publishe		Year
1,	Branko Periš	"Software engineering Theory and Practice" third						2007	
2,	S.L.Pfleeger,	, J. M. Atlee	editic		5	,	Prentica Hall		2006
3,	SWEBOK		SWEBOK, materijal u elektronskoj formi				Elektronsko izdanje(www.swebo	ok.org)	2007
4,	Matthew Rot Vorobiev	binson, Pav	Vel Swing, Second Edition Elektronsko izdanje-PDF 20					2003	
5,	John Zukows	ski	Majs	tor za javu, Ja	va J2SE 1	.4	Kompjuterska biblic	oteka Čačak	2002



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:	:								
Course	id:	RI4A				Computer Grap	ohics		
Number	r of ECTS:	6							
Teache	rs:		Ivetić V. Dr	agan, Mihajlovi	ć R. Drag	an, Hajduković P. Mirosla	V		
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	sses:
	3	C)	2		0		0	
Precond	dition courses			None					
1. Educ	ational goal:								
Students learn about development and manipulation of elements of computer graphics in 3D space.									
2. Educ	ational outcom	ies (acquire	ed knowledg	e):					
				l for specific vi shop, CorelDra		n information software us atlab.	sing DirectX and/or C)pen GL, digi	talization
3. Cours	se content/stru	cture:							
pipeline	. 3D modeling	technique	s. Model/vie	w transformatio	ons. Color	ctX, X3D) of graphic con s. Local illumination and ation. Graphics user inte	shading Clipping. Pro		
4. Teac	hing methods:								
course. quality	In practice cla of the Practic	sses 3D pr e work is	imitives are evaluated.	presented and Successfully	manipula completed	ed into two parts and is e ted using OpenGL or Dire d practice is a prerequis pints achieved on exam	ecX depending on the site for taking the fir	student's che nal examinat	oice. The tion. The
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
	x exercises			Yes		Theoretical part of the ex	am	Yes	30.00
Test				Yes	10.00				
Test				Yes	10.00	- 4			
0	A	uthor	I			ature	Publishe		Ver
Ord.	A D. lvetić	uthor	Doži						Year 2012
2,	J. F. Hughes M. McGuire, Foley, S.K. F	D. Sklar, J. einer, K. A	am, Com	D. Edition					2012
3,	Peter Shirley Marschner, v	/, Steve /ith	FUNDAMENTALS OF COMPUTER GRAPHICS						2009
4,	Akenine-Möll and Hoffman	er T., Hein N	es E. REA	L-TIME REND	ERING, 3	rd Ed.			2008



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	:						_		
Course	id:	RT41	Intere	compute	r Com	munications an	d Computer I	Networks	s 1
Number	r of ECTS:	6							
Teache	er:		Bašičević V.	Ilija					
Course	status:		Elective						
Number	r of active tea	ching classes	s (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other clas	sses:
	3	0		2		0		0	
Precond	dition courses					1	I		
1. Educ	cational goal:								
Students are able to design, realize and test communication protocols and learn about the basics of TCP/IP Internet technologies.									
2. Educational outcomes (acquired knowledge):									
Students are able to design, realize and test communication protocols and know about the basics of TCP/IP Internet technologies.									
		acoign, realiz			protocole			teennoiogiee	-
3. Cours	rse content/str	ucture:							
LAPB a element TCP). T applicat	and X.25 netv hts). TCP/IP In Transparent p tions of remot	vork level. T ternet (Interr protocol conv	he Internet (net services,	Structure of history). Inter	the Interr net conce	y for realization of protoc net, component of the Int pts (Internet address, AR	ernet physical archit	tecture, Comi	
(e-mail, SMTP and POP3)									/IP, UDP cols and
	, SMTP and P	OP3)	operation (t	elnet). Databa	ase transi	d supranetwork address mission (TFTP and FTP).	ng. Domain name s	ystem. Proto	/IP, UDP cols and
4. Teac Lecture The tea	ching methods es. Tutorials. C aching is divid	POP3) : computer pra ed into two l	ctice. Consul	elnet). Databa Itations. e first block s	ase transi	d supranetwork address	ng. Domain name s Electronic mail proto	ystem. Proto ocols and app	/IP, UDP cols and plications
4. Teac Lecture The tea	ching methods es. Tutorials. C aching is divid	POP3) : computer pra ed into two l	ctice. Consul	elnet). Databa Itations. e first block s second block	tudents at	d supranetwork address mission (TFTP and FTP).	ng. Domain name s Electronic mail proto	ystem. Proto ocols and app	/IP, UDP cols and plications
4. Teac Lecture The tea	ching methods es. Tutorials. C aching is divid computer prac	POP3) : computer pra ed into two l	ctice. Consul blocks. In the During the	elnet). Databa Itations. e first block s second block	tudents at	d supranetwork address mission (TFTP and FTP). ttend theoretical classes s work on their examination	ng. Domain name s Electronic mail proto during the mornings. on papers.	ystem. Proto ocols and app	/IP, UDP cols and plications
4. Teac Lecture The tea attend o	ching methods es. Tutorials. C aching is divid computer prac	POP3) : computer pra ed into two l ctice classes ation obligati	ctice. Consul blocks. In the During the	elnet). Databa Itations. e first block s second block Knowledge e	tudents at students at valuation Points 5.00	d supranetwork address mission (TFTP and FTP). ttend theoretical classes work on their examination (maximum 100 points)	ng. Domain name s Electronic mail proto during the mornings. on papers.	ystem. Proto ocols and app	/IP, UDP cols and blications
4. Teac Lecture The tea attend o Laborat	ching methods es. Tutorials. C aching is divid computer prace Pre-examin tory exercise a e attendance	POP3) : computer pra ed into two l ctice classes ation obligati	ctice. Consul blocks. In the During the	elnet). Databa Itations. e first block s second block Knowledge e Mandatory	tudents at students at valuation Points 5.00 5.00	d supranetwork address mission (TFTP and FTP). ttend theoretical classes work on their examination (maximum 100 points) Final ex	ng. Domain name s Electronic mail proto during the mornings. on papers.	ystem. Protococococococococococococococococococo	AP, UDP cols and blications oon they Points
4. Teac Lecture The tea attend of Laborat Lecture Project	ching methods es. Tutorials. C aching is divid computer prace Pre-examin tory exercise a e attendance	POP3) : computer pra ed into two l ctice classes ation obligati	ctice. Consul blocks. In the During the	elnet). Databa tations. e first block s second block Knowledge e Mandatory Yes Yes Yes	tudents at students at students evaluation Points 5.00 5.00 50.00	d supranetwork address mission (TFTP and FTP). ttend theoretical classes work on their examination (maximum 100 points) Final ex	ng. Domain name s Electronic mail proto during the mornings. on papers.	ystem. Protococococococococococococococococococo	AP, UDP cols and blications oon they Points
4. Teac Lecture The tea attend o Laborat	ching methods es. Tutorials. C aching is divid computer prace Pre-examin tory exercise a e attendance	POP3) : computer pra ed into two l ctice classes ation obligati	ctice. Consul blocks. In the During the	elnet). Databa Itations. e first block si second block Knowledge e Mandatory Yes Yes	tudents at students at valuation Points 5.00 5.00 50.00 10.00	d supranetwork address mission (TFTP and FTP). ttend theoretical classes work on their examination (maximum 100 points) Final ex Theoretical part of the ex	ng. Domain name s Electronic mail proto during the mornings. on papers.	ystem. Protococococococococococococococococococo	AP, UDP cols and blications oon they Points
4. Teac Lecture The tea attend of Laborat Lecture Project	ching methods es. Tutorials. C aching is divid computer prace Pre-examin tory exercise a e attendance	POP3) : computer pra ed into two l ctice classes ation obligati	ctice. Consul blocks. In the During the	elnet). Databa tations. e first block s second block Knowledge e Mandatory Yes Yes Yes	tudents at students at valuation Points 5.00 5.00 50.00 10.00	d supranetwork address mission (TFTP and FTP). ttend theoretical classes work on their examination (maximum 100 points) Final ex	ng. Domain name s Electronic mail proto during the mornings. on papers.	ystem. Protococococococococococococococococococo	AP, UDP cols and blications oon they Points
4. Teac Lecture The tea attend of Laborat Lecture Project	ching methods es. Tutorials. C aching is divid computer prace Pre-examin tory exercise a e attendance	POP3) : computer pra ed into two l ctice classes ation obligati	ctice. Consul blocks. In the During the	elnet). Databa tations. e first block s second block Knowledge e Mandatory Yes Yes Yes	tudents at students at valuation Points 5.00 5.00 50.00 10.00	d supranetwork address mission (TFTP and FTP). ttend theoretical classes work on their examination (maximum 100 points) Final ex Theoretical part of the ex ature	ng. Domain name s Electronic mail proto during the mornings. on papers.	ystem. Protococols and app In the afterned Mandatory Yes	AP, UDP cols and blications oon they Points
4. Teac Lecture The tea attend of Laborat Lecture Project Test	ching methods es. Tutorials. C aching is divid computer prace Pre-examin tory exercise a e attendance	POP3) : computer pra ed into two l ctice classes ation obligati attendance	ctice. Consul blocks. In the During the Ons	elnet). Databa Itations. e first block s second block Knowledge e Mandatory Yes Yes Yes Yes Yes IP Internet	tudents at students at students evaluation Points 5.00 5.00 50.00 10.00 Liter Title	d supranetwork address mission (TFTP and FTP). ttend theoretical classes work on their examination (maximum 100 points) Final ex Theoretical part of the ex ature	ng. Domain name's Electronic mail proto during the mornings. on papers. am am	In the afterno Mandatory Yes	/IP, UDP cols and lications oon they Points 30.00



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 C	Course specification	
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	:			_					
Course	id:	RT44		D	SP Ar	chitecture and /	Algorithms 1		
Numbe	r of ECTS:	7							
Teache	r:	ł	Kovačević '	V. Jelena					
Course	status:	E	Elective						
Numbe	r of active teac	hing classes	(weekly)						
L	ectures:	Practical of	lasses:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	4	1		2		0		0	
Precon	dition courses	-				•			
1. Educ	ational goal:								
	ts are able to sing and their			r digital signal	processin	g, with accent on the a	rchitecture of proces	sors for digit	tal signa
2. Educ	ational outcom	nes (acquired	d knowledg	e):					
Studen knowle	ts have maste dge is the bas	ered basic t sis for the f	echniques uture profe	of design and essional cours	d testing o es.	of architecture for digita	I signal processing	(DSP). The	acquire
3. Cour	se content/stru	icture:							
process process basic o	sing, pipelinin sing). VLSI tecl perations ADI	g, DSP reco hnology for I D, MUL and	ourses: AL DSP. Arithn MAC, spe	U, memory, d netic's of proce ecific operatior	ledicated [ssors for d ns: comple	(Von Neuman and Har DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, o assembler, tools: comp	signal processing, E data format, ways of convolution and vect	OSPs for vide representing tor arithmetic	eo signa numbers c's). DSI
process process basic o prograr	sing, pipelinin sing). VLSI tecl perations ADI	g, DSP reco hnology for I D, MUL and me operatio	ourses: AL DSP. Arithn MAC, spe	U, memory, d netic's of proce ecific operatior	ledicated [ssors for d ns: comple	DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, o	signal processing, E data format, ways of convolution and vect	OSPs for vide representing tor arithmetic	eo signa numbers c's). DSF
process process basic o prograr 4. Teac Lecture The tea	sing, pipelinin sing). VLSI tecl perations ADI nming (real tiu hing methods: s. Tutorials. Au aching is divide	g, DSP reco hnology for I D, MUL and me operatio uditory practi ed into two b	Durses: AL DSP. Arithn MAC, spe n, progran	U, memory, d netic's of proce ecific operation nming languag uter practice. Co he first block s	ledicated I essors for d ns: comple jes C and onsultation tudents att	DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, o assembler, tools: comp	signal processing, E data format, ways of convolution and vect biler, simulator and c during the mornings.	OSPs for vide representing for arithmetic debugger, tes	eo signa numbers S's). DSF sting).
process process basic o prograr 4. Teac Lecture The tea	sing, pipelinin sing). VLSI tecl perations ADI nming (real tiu hing methods: s. Tutorials. Au aching is divide	g, DSP reco hnology for I D, MUL and me operatio uditory practi ed into two b	Durses: AL DSP. Arithn MAC, spe n, progran	LU, memory, d netic's of proce ecific operation nming languag uter practice. Co he first block s e second block	ledicated I essors for d ns: comple ges C and onsultation tudents att < students	DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, o assembler, tools: comp s. end theoretical classes	signal processing, E data format, ways of convolution and vect biler, simulator and c during the mornings.	OSPs for vide representing for arithmetic debugger, tes	eo signa numbers S's). DSI sting).
process process basic o prograr 4. Teac Lecture The tea attend o	sing, pipelinin sing). VLSI tecl perations ADI nming (real til hing methods: s. Tutorials. Au aching is divide computer prac Pre-examina	g, DSP reco hnology for I D, MUL and me operatio uditory practi ed into two b tice classes	burses: AL DSP. Arithm MAC, spe n, progran dce. Compu blocks. In th . During th	LU, memory, d netic's of proce ecific operation nming languag uter practice. Co he first block s e second block	ledicated I ssors for d ns: comple jes C and onsultation tudents att < students evaluation (Points	DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, of assembler, tools: comp s. rend theoretical classes work on their examinati (maximum 100 points) Final ez	signal processing, E data format, ways of convolution and vect biler, simulator and o during the mornings. on papers.	OSPs for vide representing for arithmetic debugger, tes	eo signa numbers c's). DSi sting).
process process basic o prograr 4. Teac Lecture The tea attend o	sing, pipelinin sing). VLSI tecl perations ADI nming (real til hing methods: s. Tutorials. Au aching is divide computer prac Pre-examina	g, DSP reco hnology for I D, MUL and me operatio uditory practi ed into two b tice classes	burses: AL DSP. Arithm MAC, spe n, progran dce. Compu blocks. In th . During th	LU, memory, d netic's of proce ecific operation nming languag uter practice. Co he first block s e second block	edicated I ssors for d ns: comple jes C and onsultation tudents att < students evaluation (Points 30.00 (DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, o assembler, tools: comp s. end theoretical classes work on their examinati (maximum 100 points) Final ex Coloquium exam	signal processing, E data format, ways of convolution and vect piler, simulator and o during the mornings. on papers.	OSPs for vide representing for arithmetic debugger, tes In the aftern Mandatory No	eo signa numbers 's). DS sting). noon the Points 40.0
process process basic o prograr 4. Teac Lecture The tea attend o	sing, pipelinin sing). VLSI tecl perations ADI nming (real til hing methods: s. Tutorials. Au aching is divide computer prac Pre-examina	g, DSP reco hnology for I D, MUL and me operatio uditory practi ed into two b tice classes	burses: AL DSP. Arithm MAC, spe n, progran dce. Compu blocks. In th . During th	U, memory, d netic's of proce ecific operation nming languag uter practice. Co he first block s e second block Knowledge e Mandatory	edicated I ssors for d ns: comple jes C and onsultation tudents att students att students att students att att students att students att att att att att att att att att a	DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, o assembler, tools: comp s. end theoretical classes work on their examinati (maximum 100 points) Final ex Coloquium exam Theoretical part of the ex	signal processing, E data format, ways of convolution and vect biler, simulator and o during the mornings. on papers.	DSPs for vide representing for arithmetic debugger, tes In the aftern Mandatory No Yes	eo signa numbers 's). DS sting). noon the Points 40.0 30.0
process process basic o prograr 4. Teac Lecture The tea attend o	sing, pipelinin sing). VLSI tecl perations ADI nming (real til hing methods: s. Tutorials. Au aching is divide computer prac Pre-examina	g, DSP reco hnology for I D, MUL and me operatio uditory practi ed into two b tice classes	burses: AL DSP. Arithm MAC, spe n, progran dce. Compu blocks. In th . During th	U, memory, d netic's of proce ecific operation nming languag uter practice. Co he first block s e second block Knowledge e Mandatory	ledicated I ssors for d ns: comple les C and onsultation tudents att < students evaluation (Points 30.00 (DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, or assembler, tools: comp s. end theoretical classes work on their examinati (maximum 100 points) Final ex Coloquium exam Theoretical part of the exam	signal processing, E data format, ways of convolution and vect biler, simulator and o during the mornings. on papers.	OSPs for vide representing for arithmetic debugger, tes In the aftern Mandatory No	eo signa numbers 's). DS sting). noon the Points 40.0 30.0
process process basic o prograr 4. Teac Lecture The tea attend o	sing, pipelinin sing). VLSI tecl perations ADI mming (real til hing methods: s. Tutorials. Au aching is divide computer prac Pre-examina	g, DSP reco hnology for I D, MUL and me operatio uditory practi ed into two b tice classes ation obligatio	burses: AL DSP. Arithm MAC, spe n, progran dce. Compu blocks. In th . During th	U, memory, d netic's of proce ecific operation nming languag uter practice. Co he first block s e second block Knowledge e Mandatory	ledicated I ssors for d ns: comple jes C and onsultation tudents att students students att students student	DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, or assembler, tools: comp s. end theoretical classes work on their examinati (maximum 100 points) Final ex Coloquium exam Theoretical part of the exam	signal processing, E data format, ways of convolution and vect piler, simulator and o during the mornings. on papers. cam n - tasks	DSPs for vide representing for arithmetic debugger, tes In the aftern Mandatory No Yes Yes	eo signa numbers 's). DSI sting). noon the Points 40.0 30.0 40.0
process process basic o prograr 4. Teac Lecture The tea	sing, pipelinin sing). VLSI tecl perations ADI mming (real til hing methods: s. Tutorials. Au aching is divide computer prac Pre-examina	g, DSP reco hnology for E D, MUL and me operatio uditory practi ed into two b tice classes ation obligation	ourses: AL DSP. Arithm MAC, spe n, program ce. Compu- locks. In ti . During th	U, memory, d netic's of proce ecific operation nming languag uter practice. Co he first block s e second block Knowledge e Mandatory	ledicated I ssors for d ns: comple les C and onsultation tudents att < students evaluation (Points 30.00 (DSPs, DSPs for audio igital signal processing (ex arithmetic's, cordic, or assembler, tools: comp s. end theoretical classes work on their examinati (maximum 100 points) Final ex Coloquium exam Theoretical part of the exam	signal processing, E data format, ways of convolution and vect biler, simulator and o during the mornings. on papers.	DSPs for vide representing for arithmetic debugger, tes In the aftern Mandatory No Yes Yes	eo signa numbers S's). DSF sting).



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:											
Course id:	RT49		Real Time Software 1								
Number of E	CTS: 6										
Teacher:		Atlagić S. B	ranislav								
Course statu	IS:	Elective									
Number of a	ctive teaching cl	asses (weekly)									
Lectur	res: Prac	ical classes:	Other teachi	ng types:	Study resea	irch work:	Other cla	asses:			
2		0	2		0		0				
Precondition	courses	-	None								
1. Education	al goal:										
Students gai	ents gain fundamental knowledge about real time operating systems and are able to design adequate software support.										
2. Education	al outcomes (ac	quired knowledg	e):								
Knowledge a programs of		ons, standards a	nd technologie	es in the fi	eld of real time software a	and the ability to des	ign and realiz	ze simple			
3. Course co	ontent/structure:										
systems, pro Process co sensors/exe	ogram implemen ntrol software	tation of control (real time mult s, handlers of co	algorithm. Arc iprocessor p	hitecture rogram e	ponent in distributed syst and components of GAUS nvironment, implement acquisition of process d	S system. Program n ation of standards	nodel of conti for connec	rol object. tion with			
4. Teaching	methods:										
				work duri	ng the semester in comp	uter practice classe	es on develop	oing their			
			Knowledge e	evaluation	(maximum 100 points)		-				
	e-examination ob	ligations	Mandatory	Points	Final ex	am	Mandatory	Points			
Project			Yes	30.00	Coloquium exam		No	40.00			
					Theoretical part of the exa		Yes	30.00			
				Litor	Practical part of the exam	I - LASKS	Yes	40.00			
Ord.	Author			Title	ature	Publishe	or I	Year			
	nislav Atlagić	-	GRAMSKA PO MENU, skripta	DRŠKA I			ر بر	2005			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course specification

Course:	Bool Time Coffware 2									
Course	id:	RT49A		Real Time Software 2						
Number	of ECTS:	5								
Teachei			Atlagić S. I	Branislav						
Course	status:		Elective							
Number	of active teac	hing classe	es (weekly)							
L	ectures:	Practical	classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	isses:	
	2	C)	2		0		0		
Precond	lition courses			None						
1. Educ	ational goal:									
Student	tudents gain fundamental knowledge about real time operating systems and are able to design adequate software support.									
2. Educa	ational outcom	ies (acquire	ed knowled	ge):						
	dge about bas is of this type.		standards a	and technologie	s in the fi	eld of real time software	and the ability to des	ign and realiz	ze simple	
3. Cours	se content/stru	cture:								
within N	IUS station, g	raphic ope	erator subs	system). OPS of	connectio	cess controller; commun n (client connection on xamples and practical w	process highway, se			
4. Teacl	ning methods:									
Student	s: Tutorials. Co s attend lectu ation paper.				vork durii	ng the semester in comp	outer practice classe	s on develop	oing their	
				Knowledge e	valuation	(maximum 100 points)				
	Pre-examina	ition obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
					-	Project		Yes	30.00	
					-	Coloquium exam		No	40.00	
						Theoretical part of the ex		Yes	30.00	
						Practical part of the exan	1 - TASKS	Yes	40.00	
						ature				
Ord.	A	uthor			Title		Publishe	r	Year	

Programska podrška u realnom vremenu

1, Branislav Atlagić

2005



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:									
Course id:	RT50		Televi	sion a	nd Image Proce	ssing Softwa	re 1		
Number of ECTS:	7								
Teacher:		Teslić Đ. Nil	kola						
Course status:		Elective							
Number of active tea	ching classe	s (weekly)							
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:	
4	C		3		0		0		
Precondition courses	S	•							
1. Educational goal:									
Students learn about designing architecture for receiving television signals, physical architecture and appropriate software support.									
2. Educational outco	mes (acquire	d knowledge	e):						
Students have learn basis for the future			hniques, testi	ng archite	ecture and TV signal rece	eivers. The acquired	knowledge f	orms the	
3. Course content/st	ructure:								
input element of TV image representatio of TV system softwa sound control softwa	set (tuner, d n (CRT, LCD are (OS, HAI are (MSP), t	emodulator), , Plasma), re ., MICTOS), eletext softw	digitalization ealization of th elements of s are, user inte	block, blo e central software for rface (ren	sical architecture of TV s ck for digital image proces control unit, with section f or handling TV set input note control and menu sy ntial networks (OCP 1.0.	ssing (SRC, NR, ZO or data handling (VB (tuner, demodulator) stem). Realization o	OM, scaling), I, CC, TTX). , output, real f algorithms	block for Elements ization of	
4. Teaching methods	•						-		
	ded into two	blocks. In th	e first block s	tudents at	ns. ttend theoretical classes s work on their examinatio		. In the afterr	ioon they	
			Knowledge e	evaluation	(maximum 100 points)				
Pre-exami	nation obligat	ions	Mandatory	Points	Final ex	am	Mandatory	Points	
Homework			Yes		Coloquium exam		No	20.00	
Homework			Yes		Coloquium exam		No	20.00	
Homework			Yes		Theoretical part of the ex		Yes	30.00	
Homework			Yes		Practical part of the exam	n - tasks	Yes	40.00	
Test			Yes	10.00					
1		Literature							
Ord. V Kovačev	Author ić, N. Teslić,	Title Publisher Year							
1, Mihić									



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course specification

Courses								
Course:	_			Bachelor Thesis				
Course id:	E24BR			Dacheidi Thesis				
Number of ECTS:	14							
Teachers:								
Course status:		Mandato	ry					
Number of active tea	ching classe	es (weekly	()					
Lectures:	Practical	classes:	Other teaching types:	Study research work:	Other classes:			
0	()	0	0	9			
Precondition courses None								
1. Educational goal:								
a problem, its structu studying the relevant for their solving. Acquiractivities accomplish	ire and con literature a uiring the kr ned within t	nplexity ar student b nowledge he given t	nd, on the basis of the analysi ecomes familiar with the meth about the techniques, structur copic of the Bachelor thesis.	ving concrete problems within the chosen s, makes conclusions about the possible ods applied for solving similar tasks and t e and form of writing a report after comple Through a Bachelor thesis students acqu ogy, procedures and the achieved result	e ways of solving it. By he engineering practice eting analysis and other uires the experience in			
structure of the prob Through independent works related to the the complexity of the their future proffesio	e to work ir lem faced t use of the similar topic problem in nal work in estions and	ndepender and its sy relevant li ss. Throug their area solving p comment	ntly applying the previously ac stematic study so that conclu- terature the students extend th h independent work on solving of study. Working on their Bac professional problems. In the	equired knowledge from various areas in or isions can be made concerning the pose he knowledge of the chosen field and stud g the tasks in the given topic, the students chelor theisi the students gain experience preparation of the results for public present gains the necessary experience on how	sible ways of solving it. y different methods and s gain knowledge about which they can apply in sentation, defence and			
3. Course content/str								
It is formed individually in accordance with the needs and the field covered by the Bachelor Thesis topic. The student writes Bachelor Thesis in the written form in agreement with the supervisor and in accordance with the standards of the Faculty of Technical Sciences. The student prepares and defends the Bachelor Thesis publicly in agreement with the supervisor and in accordance with the standards. The student studies professional literature, professional and Bachelor thesis of the students dealing with similar topics, and conducts analysis with an objective to find out the solution to the specific problem defined in the Bachelor Thesis.								
4. Teaching methods	4. Teaching methods:							
Bachelor Thesis supervisor sets the Bachelor Thesis problem and gives it to the student. The student is obliged to write the Bachelor Thesis within the given topic defined by the Bachelor Thesis problem. During writing the Bachelor Thesis, supervisor can give additional instructions to the student, suggest certain literature and additionally guide him with an objective to create a quality Bachelor Thesis. Within the theoretical part of the Bachelor Thesis, the student has consultations with the supervisor, and with other professors dealing with								

problems in the field of the Bachelor Thesis, the student has consultations with the supervisor, and with other professors dealing with problems in the field of the Bachelor Thesis topic, if necessary. The student writes the Bachelor Thesis and gives the bounded examples to the board after gaining consent from the committee for assessment and defense. Defense of the Bachelor Thesis is public and the student is obliged to orally answer the questions

Knowledge evaluation (maximum 100 points)									
Pre-examination obligations Mandatory Points Final exam Mandatory Poir									
Writing the final paper with theoretic basis Yes 50.00 Final exam defence Yes									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course specification Course: DSP Applications in Control Systems Course id: AU47 Number of ECTS: 7 Teachers: Jorgovanović Đ. Nikola, Bojanić M. Dubravka Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 4 0 4 0 0 Precondition courses None 1. Educational goal: Students acquire the basic knowledge of processors and algorithms for digital signal processing. 2. Educational outcomes (acquired knowledge): The acquired knowledge forms the basis for the future education and professional courses. 3. Course content/structure: 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. Teaching methods: Lectures, practice, computer practice. Consultations. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points 10.00 Coloquium exam Computer excersise defence 20.00 Yes No Test 10.00 Coloquium exam Yes No 20.00 Test 10.00 Oral part of the exam 30.00 Yes Yes Practical part of the exam - tasks 40.00 Yes Literature Ord. Title Publisher Author Year Elektrotehnički fakulte Lj. Milić, Z. Dobrosavljević Uvod u digitalnu obradu signala 1999 1. Univerziteta u Beogradu 2. M. V. Popović Digitalna obrada signala Akademska misao, Beograd 2003 Digitalna obrada signala - Računarske vežbe i 3, M. Popović, A. Mojsilović Nauka, Beograd 1996 simulacije u MATLAB-u Biomedical signal processing: Time and Frequency 4, Boca Raton, Fla, CRC Press 1986 A. Cohen Domain Analysis Biomedical signal processing: Compression and 5. A. Cohen Boca Raton, Fla, CRC Press 1986 Automatic Recognition



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2 Course specification

Course: Methods of Medical Image Forming and Analysis Course id: AU49 Number of ECTS: 5 Teachers: Jorgovanović Đ. Nikola, Bojanić M. Dubravka Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 0 3 0 0 Precondition courses None 1. Educational goal: Students acquire the basic knowledge about medical image, its forming and analysis. 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in the future education and professional courses. 3. Course content/structure: Fundamentals of static and dynamic image. Fundamentals of digital image (acquisition, color palette, resolution). Spatial domain techniques for image processing (arithmetical and logical operations, geometric transformations). Frequential content of an image. Image analysis and processing in frequency domain. Basic characteristics of medical image. Ultrasound recording A-mod, B-mod, TM-mod, Cmod, Doppler. Roentgen recording. Computer tomography. Nuclear magnetic resonance. Gamma camera, PET, SPECT. Medical image processing 4. Teaching methods: Lectures, computer practice, project tasks. Consultations. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Mandatory Points Final exam Computer excersise defence 40.00 Oral part of the exam Yes 30.00 Yes Test 10.00 Yes Test 10.00 Yes Test 10.00 Yes Literature Title Ord. Author Publisher Year K. Kirk Shung, M.B. Smith, Principles of medical imaging Academic Press 1992 1, B. <u>Tsui</u> 2, D. Popović, M. Popović Biomedicinska instrumentacija i merenja Nauka, Beograd 1997 Gerard Blanchet and Maurice 3, Digital Signal and Image Processing using MATLAB 2006 Charbit



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	:				_	• • • • •	_		
Course	e id:	AU50			Proces	ss Control by	Computer		
Numbe	er of ECTS:	4							
Teache	er:		Čongrada	ac D. Velimir					
Course	e status:		Elective						
Numbe	er of active tead	hing classe	es (weekly	')					
L	_ectures:	Practical	classes:	Other teachir	ng types:	Study rese	arch work:	Other cla	isses:
	3	()	3		C		0	
Precon	dition courses	-	-	None		•			
1. Educ	cational goal:								
Studen	its acquire the l	basic theor	etical and	practical knowled	ge about cor	mputer controlled syste	ems.		
2. Educ	cational outcom	nes (acquir	ed knowled	dge):					
The ac	quired knowled	lge is used	in solving	practical enginee	ring problem	ns and form the basis f	or the future profession	onal courses.	
3. Cour	rse content/stru	icture:							
			ess. Comp	outer controlled sy	vstems. Syste	em for accepting analo	ogue signals. System	for accepting	g discrete
Structu signals disturba	ire of the produ s. Sensors and ances. Practica	iction proce transmitte al realizatio	ers in real	l industrial enviro	onment. Éxe r program. C	ecutive organs. Protection Protection Control of discrete value	ction of industrial co	ntrol system	s agains
Structu signals disturba Structu	ire of the produ s. Sensors and ances. Practica	iction proce I transmitte al realization control dev	ers in real	l industrial enviro	onment. Éxe r program. C	ecutive organs. Protection Protection Control of discrete value	ction of industrial co	ntrol system	s agains
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course:									
Course	id:	E2E40			XI	ML and WEB Se	ervices		
Number	of ECTS:	7							
Teache	rs:		Ivanović V	V. Dragan, Milosa	avljević P.	Branko			
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)	4		0		0	
Precond	lition courses								
1. Educ	ational goal:								
Student	s are taught al	oout tasks	of process	ing HML docume	ents and d	esign and construction of	web service compor	nents.	
2. Educ	ational outcom	es (acquire	ed knowled	dge):					
Student based o	s will be famil on XML docun	iar with XM nents and o	/IL technol design we	logy and standar b service compo	rds for de onents in a	veloping web services. S accordance with the pres	Students are compet sent standards.	ent to desigr	ı systems
3. Cours	se content/stru	cture:							
Transfo of conce	rmation and vi epts, available	sualization implement	of docum tation tech	ents. Document i nologies. Standa	interconnerror	idards for specifying de ections. Document search b service components. In andards and applications	 ML databases. W tegration of information 	Veb services: ion systems ι	overview using web
4. Teac	hing methods:								
	s. Computer plantion is ora				cess in th	e laboratory practice and	oral part of the exam	ination.	
				Knowledge e	valuation	(maximum 100 points)			
	Pre-examina	ition obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points
Project				No	50.00	Oral part of the exam		Yes	50.00
					Liter	ature	-		
Ord.	A	uthor			Title		Publishe	er	Year
1,	V. Geroimer	iko	Di We		i echnolog	gies and the Semantic	Springer-Verlag, B	erlin	2004
2,	G. Alonso, F Kuno, V. Mac			eb Services: Cor	ncepts, Ar	chitectures and	Springer-Verlag, B	erlin	2004



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course	id: E	2141			Intorm	ation System E	ngineering		
Number	of ECTS: 5	5							
Teache	rs:	Lu	ković S. Iv	an, Mitrović N	/I. Slavica				
Course	status:	Ele	ective						
Number	r of active teach	ning classes (v	weekly)						
L	ectures:	Practical cla	sses:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	3	0		3		0		0	
Precond	dition courses		-			-	-		
1. Educ	ational goal:			-					
busines informa develop CMMI a	s systems, as ition system de	well as the a evelopment a Understandi to business	application and managing a role performan	n of basic ma ging their de of information nce improver	anagers' to velopmer n systems	ng the significance, esser echniques in managing nt process. Application of in the organization syst	these systems. Add of CASE tools in the	opting the me information	ethods of n system
Z. Educ	ational outcome	es (acquired k	nowledge):					
function	nal structure, as Ils are directly a	s well as solvi	ng practic	al organizatio	onal proble	ompetent for: the analys ems during the work in b y practice, as well as in c	usiness systems. The	e acquired kr	nowledge
3. Cours	se content/struc	cture:							
	ion and team	work infract						eristics, comp	
planning system archited planning	ement and impro g, coordination effectiveness. cture. Informati g and BSP me	ovement of w and control o CMMI as a r ion system d	ork proces of operation nodel of b evelopme	s and busine ns. Business usiness proc nt process. I	ss perform plans. Pro ess impro	systems – capacity an nance. E-business and pr oject management. Basic ovements. Introduction to Methodology and inform	d flexibility. Method ocesses of business c characteristics and o information system	s and techni system mana indicators of s. Information	iques for igement - business n system
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course	:								
Course	id:	 E2K42			Kno	wledge Based S	Systems		
Numbe	of ECTS:	5							
Teache	ers:		Konjović D.	Zora, Kovačev	/ić D. Alek	sandar			
Course	status:		Elective						
Numbe	er of active tead	ching classe	es (weekly)						
	_ectures:	Practical		Other teachi	ng types:	Study resea	rch work:	Other cla	sses:
	3	()	3		0		0	
Precon	dition courses	<u>.</u>		None			I		
1. Educ	cational goal:			<u>_</u>					
	0	concepts, t	echniques ar	nd selected ap	olicative ex	xamples of knowledge ba	ised systems.		
2. Educ	cational outcon	nes (acquire	ed knowledge	e):					
Studen	ts gain knowle	dge which o	enables them	n to design and	l implemer	nt knowledge based syste	ms and their applica	ition.	
3. Cour	rse content/stru	ucture:							
	nentation of kn					e. Deduction and conclus eloping knowledge based			
Practic nonobli exam – at least Course	igatory laborat - colloquium (2 t 30% of the po	course is tory tasks. 2-4). Partial pints at the med on the	examined ir The task are exam is a pa previous one e basis of le	marked. Part int of the exam . Partial exam	of the cou ination. A inations ar	bry where students solve irse which forms a logica student can take the next re taken in written form. T ks on the obligatory and	I whole can be take partial examination he final examination	n in the form if he/she has	of partia
	Pre-examination			Knowledge e	evaluation	(maximum 100 points)			
	tor oversion	ation obliga	tions	Knowledge e Mandatory	evaluation Points	(maximum 100 points) Final ex	am		
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•	iter exercise at	defence	tions	Mandatory	Points	Final ex	-	ks, success a Mandatory	at partia Points
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Compu	iter exercise at vork	defence	tions	Mandatory Yes Yes	Points 45.00 5.00	Final ex	-	ks, success a Mandatory	at partial Points
Compu Homew Homew Homew	ter exercise at vork vork vork	defence	tions	Mandatory Yes Yes Yes	Points 45.00 5.00 5.00 5.00 5.00	Final ex	-	ks, success a Mandatory	at partia Points
Compu Homew Homew Homew	iter exercise at vork vork	defence	tions	Mandatory Yes Yes Yes Yes	Points 45.00 5.00 5.00 5.00	Final ex	-	ks, success a Mandatory	at partia Points
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Compu Homew Homew Homew	ter exercise at vork vork vork e attendance	defence tendance		Mandatory Yes Yes Yes Yes Yes Yes	Points 45.00 5.00 5.00 5.00 5.00 5.00 Litera Title	Final ex Theoretical part of the ex	-	ks, success a Mandatory Yes	at partia Points
Compu Homew Homew Lecture	ter exercise at vork vork vork vork e attendance	defence tendance		Mandatory Yes Yes Yes Yes Yes Yes	Points 45.00 5.00 5.00 5.00 5.00 5.00 Litera Title	Final ex Theoretical part of the ex	am	ks, success a Mandatory Yes er	Points 30.00
Compu Homew Homew Lecture Ord.	ter exercise at vork vork vork e attendance Joseph Gia	Author rratano,Gar	y Expr ed.	Mandatory Yes Yes Yes Yes Yes Yes	Points 45.00 5.00 5.00 5.00 5.00 Litera Title	Final ex Theoretical part of the ex ature and Programming, 3rd	am Publish	ks, success a Mandatory Yes er	Points 30.00 Year



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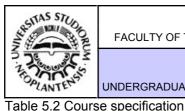


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	e:						-		
Course	e id:	RI53			Busin	ess Informatior	n Systems		
Numbe	er of ECTS:	5							
Teache	ers:		Milosavljev	vić R. Gordana, I	Perišić R. I	Branko			
Course	e status:		Elective						
Numbe	er of active tead	ching classe	s (weekly)						
L	Lectures:	Practical	classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	isses:
	3	0		3		0		0	
Precon	ndition courses	-				•		-	
1. Educ	cational goal:								
busines	ss information	domain. S	tudents wi		team wor	s of business applicatio k related to engineering ethods.			
2. Educ	cational outcon	nes (acquire	d knowled	ge):					
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

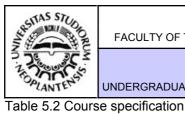


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course: Engineering of Computer Based Systems Course id: RT43 Number of ECTS: 5 Teachers: Kukolj D. Dragan, Pap I. Ištvan Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other classes: Other teaching types: Study research work: 3 0 3 0 0 Precondition courses 1. Educational goal: 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. Course content/structure: Introduction. Fundamentals of designing complex control systems. Description of complex physical systems as objects of control in real time. Basic methods and techniques of analysis, modeling and development of computer based systems. Methods of identifying system components. Methods of simplification of complex systems. Architecture and components of computer based systems, distribution of activities by components, evaluatin of performance and availabilita of the whole system. Development cycle of computer based systems. Modelling, engineering of technical demends and specification of computer based systems. Methods of integration and testing. Formal languages for system modeling from Petri networks to UML. Typical computer based systems (acquisition - control systems in industry and traffic - SCADA, mobile and service robots). Methods of intelligent control, predictions and diagnostics in computer based systems. 4. Teaching methods: Lectures. Tutorials. Computer practice. Consultations. The teaching is divided into two blocks. In the first block students attend theoretical classes during the mornings. In the afternoon they attend computer practice classes. During the second block students work on tasks which comprise their examination papers. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points 30.00 Coloquium exam Project 40 00 Yes No Theoretical part of the exam Yes 30.00 40.00 Practical part of the exam - tasks Yes Literature Ord. Author Title Publisher Year Projektovanja sistema zasnovanih na računarima, 2005 1. D. Kukolj skripte Praktikum iz projektovanja sistema zasnovanih na I. Bašičević, M. Dražić, V. 2, 2005 Đurković, U. Grbić računarima



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

skripta

Computing and Control Engineering

Course:								_	
Course	id:	RT52		Ded	icated	Computer Stru	cture Design	2	
Number	of ECTS:	7							
Teache	r:		Kovačević \	/. 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	isses:
	4	C)	4		0		0	
Precond	lition courses		-	None					
1. Educ	ational goal:			-					
Student	s will learn ab	out the bas	ics of design	ing dedicated	computer	systems using VHDL.			
2. Educ	ational outcom	nes (acquire	ed knowledge	e):					
	s know the bage of multiproe				uired for o	designing dedicated com	puter systems and a	are able to u	se VHDL
3. Cours	se content/stru	icture:							
						n the field of intercompute ors. Examples and practi			Design in
4. Teac	hing methods:								
During f	s, Tutorials, Co he term stude er practice cla	nts attend			ctice class	ses. During the term stude	ents work on their exa	amination pa	per at the
				Knowledge e	valuation	(maximum 100 points)			
	Pre-examina	ation obligation	tions	Mandatory	Points	Final ex	am	Mandatory	Points
Project				Yes	30.00	Coloquium exam		No	40.00
						Theoretical part of the ex		Yes	30.00
						Practical part of the exam	n - tasks	Yes	40.00
<u> </u>						ature			
Ord.	Α	Nuthor		luter results in a	Title		Publishe	er	Year
1	B Atlanić		Proje	ektovanje name	enskih rač	unarskih struktura,			2007

1, B. Atlagić

2007



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	:								
Course	id:	E2E41			E-Bus	iness Systems	s Security		
Numbe	r of ECTS:	4							
Teache	ers:		Sladić S. C	Goran, Milosavlj	ević P. Bran	ko			
Course	status:		Elective						
Numbe	r of active tead	ching classe	s (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	3	0		3		0		0	
Precon	dition courses								
1. Educ	cational goal:								
Student	ts learn about	the applicat	ion of techr	niques and meth	nods for the	protection of data in e-b	ousiness systems.		
2. Educ	cational outcon	nes (acquire	d knowled	ge):					
create		data protect	ction in ele	ctronic busines		identa are able to use esign and implement r			
3. Cour	se content/stru	ucture:							
asymm establis web se system challen	netric encrypti shment of PKI, rvices security is, databases	on algorith certificate a . Smart car , and comp principle, at	ms, hash f authorities, d technolog outer netwo	unctions, key of hierarchy of ce gy: organization orks. Authentic	exchange. (rtificate auth , standards cation: sing	algorithms, digital sign Cryptographic standar norities. Security of XMI and use. Application o le-factor authenticatic	ds. PKI infrastructu documents: digital f security concepts a	ure: key mana signatures, er	agement, ncryption,
		ntrol.			ithentication	. Access control: conc			sswords,
4. Teac	ching methods:				Ithentication				sswords,
Lecture	es. Computer p	ractice. Cor				a. Access control: conc	epts, elements, poli	cies, mechani	sswords, isms and
Lecture	es. Computer p	ractice. Cor		ormed on the ba	sis of achiev		epts, elements, poli	cies, mechani	sswords, isms and
Lecture	es. Computer p	ractice. Cor al. The final	grade is fo	ormed on the ba	sis of achiev	 Access control: conc vement in the laboratory 	epts, elements, poli / practice classes ar	cies, mechani	sswords, isms and
Lecture	es. Computer p amination is or Pre-examina	ractice. Cor al. The final	grade is fo	ormed on the ba Knowledge e	sis of achiev evaluation (r Points	 Access control: conc vement in the laboratory naximum 100 points) 	epts, elements, poli / practice classes ar	cies, mechani	sswords,
Lecture The exa	es. Computer p amination is or Pre-examina	ractice. Cor al. The final	grade is fo	ormed on the ba Knowledge e Mandatory	sis of achiev evaluation (r Points	n. Access control: conc vement in the laboratory naximum 100 points) Final ex ral part of the exam	epts, elements, poli / practice classes ar	cies, mechani d oral examina Mandatory	ation.
Lecture The exa	es. Computer p amination is or Pre-examina	ractice. Cor al. The final	grade is fo	ormed on the ba Knowledge e Mandatory Yes	sis of achiev evaluation (n Points 50.00 O Literatu Title	n. Access control: conc vement in the laboratory naximum 100 points) Final ex ral part of the exam ure	epts, elements, poli / practice classes ar	d oral examina Mandatory Yes	ation.
Lecture The exa Project	es. Computer p amination is or Pre-examina	ation obligat	grade is fo	ormed on the ba Knowledge e Mandatory Yes plied Cryptogra	sis of achiev evaluation (r Points 50.00 O Literatu Title phy Protocol	n. Access control: conc vement in the laboratory naximum 100 points) Final ex ral part of the exam ure Is, Algorithms, and	epts, elements, poli / practice classes ar kam	d oral examina Mandatory Yes	ation. Points 50.00
Lecture The exa Project Ord.	es. Computer p amination is or Pre-examina	ation obligat	grade is for ions Apr Sou Cry	ormed on the ba Knowledge e Mandatory Yes plied Cryptograp irce Code in C ptography and I	sis of achieve evaluation (n Points 50.00 O Literatu Title ohy Protocol	n. Access control: conc vement in the laboratory naximum 100 points) Final ex ral part of the exam ure	epts, elements, poli / practice classes ar kam Publish Wiley, New York Pearson Educatior	d oral examina Mandatory Yes er	ation. Points 50.00 Year
Lecture The exa Project Ord. 1,	Pre-examination	ation obligat	grade is for ions App Sou Cry Ppr chard	ormed on the ba Knowledge e Mandatory Yes plied Cryptogra	sis of achiever evaluation (n Points 50.00 O Literatu Title ohy Protocol Network section	Access control: conc vement in the laboratory naximum 100 points) Final ex ral part of the exam ure Is, Algorithms, and urity Principles and	epts, elements, poli / practice classes ar kam Publish Wiley, New York	d oral examina Mandatory Yes er	ation. Points 50.00 Year 1995



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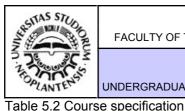


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course	:								
Course	id:	E2I40				Database Syst	ems		
Numbe	r of ECTS:	4							
Teache	er:	Lu	ković S. Iv	an					
Course	status:	Ele	ctive						
Numbe	r of active teacl	hing classes (v	veekly)						
L	ectures:	Practical clas	sses:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:
	3	0		3		()	0	
Precon	dition courses					•			
1. Educ	cational goal:			<u>.</u>					
	ed education of and information			databases (I	DB), with a	possibility of their easy	involvement in indus	stry projects in	the field
2. Educ	ational outcom	es (acquired k	nowledge):					
Acquiri	ng knowledge a	and skills nec	essary for	the applicati		ial techniques of DB de server programming tec		/ledge about i	new data
3. Cour	se content/stru	cture:		-					
			aractoristi	ice of data mo	odele Clas	sification and types of c	lata model constraint	e Formal ene	cification
of DB o (progra	constraints. Adv Imming at the I	anced capabil level of a DBN	ities of SC /IS). Tech	QL in specifyir niques of au	ng databas tomated d	e schemas and data ma esign and integration o puted databases.	nipulation. Server pr	ogramming te	chniques
4. Teac	hing methods:								
teachin active	g process, stud	lents are cons the whole lect	tantly mot	ivated to an in	ntensive d	(in the computer classro iscussion, problem orien o enter final exam is to	ted reasoning, indep	endent study	work and
	<u> </u>			Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obligation	S	Mandatory	Points	Final e	xam	Mandatory	Points
Comple	ex exercises			Yes	10.00	Oral part of the exam		Yes	30.00
· ·	ex exercises			Yes	10.00				
	e attendance			Yes	5.00				
Project				Yes	30.00				
Project	task			Yes	15.00	4			
					Litera	ature			
Ord. 1,		uthor	<u> </u>	traduction to	Title		Publish		X
1 1	Date C. J.			UUUUUUUUUUUU TO			Addiage Manley	er	Year
	Domokrichov					Systems	Addison Wesley	er	2004
2, 3,	Mogin P., Luk Govedarica M	an R., Gehrke ković I., 1.	J. Datat	pase Manage pi projektovar	ment Syste	ems	Addison Wesley Mc Graw Hill FTN Izdavaštvo	er	
2,	Mogin P., Luk Govedarica M	an R., Gehrke ković I., <u>/.</u> R., Weinberg,	J. Datat Princi	oase Manage pi projektovar	ment Syste nja baza po	ems	Mc Graw Hill	er	2004 2000



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

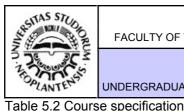


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Course: Software Patterns and Components Course id: E2S40 Number of ECTS: 4 Teachers: Perišić R. Branko, Dejanović R. Igor Course status: Elective Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 3 0 3 0 0 Precondition courses 1. Educational goal: To teach students basic theoretical knowledge, techniques, tools and best practices in the field of software patterns and Component-Based Development - CBD. Students learn to recognize patterns in the context of the development of complex software products as well as to define the system architecture based on software components 2. Educational outcomes (acquired knowledge): 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: 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 and frameworks for component based development with emphasis on the proper use of software patterns. 4. Teaching methods: Lectures, Computer exercises; Consultation. Design and implementation of project assignment by working within project teams. At the end of the semester, public presentations of the most successful teams are organized with the discussion of the obtained results. The defense of project assignment is oral. The final exam is oral. Final grade is based on the score from the final exam and project defense. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Mandatory Final exam Points 50.00 Theoretical part of the exam Project 50.00 Yes Yes Literature Ord Author Title Publisher Year McAffer, J.; Lemieux, J.-M. & Eclipse Rich Client Platform Addison-Wesley 2010 1, Aniszczyk, C. Component Software: Beyond Object-Oriented 2, C. Szyperski Addison Wesley / Longman 2002 Programming E.Gamma, R.Helm, Design Patterns Elements of Reusable Object-3. Addison-Wesley 2005 R.johnson, J. Vlaisides Oriented Software Patterns in Java: A Catalog of Reusable Design 4, M. Grand Wiley 2002 Patterns Illustrated with UML Scarpino, M.; Holder, S.; Ng, SWT/JFace in Action: GUI Design with Eclipse 3.0 (In 5, Manning 2004 S. & Mihalkovic, L. Action series) Rubel, D.; Clayberg, E. & 6. The Eclipse Graphical Editing Framework (GEF) Addison-Wesley 2011 Wren, J



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

McGraw-Hill

Course: Distributed Artificial Intelligence and Intelligent Agents Course id: E2K41 Number of ECTS: 4 Teachers: Vidaković P. Milan, Sladić S. Goran Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Study research work: Other classes: Other teaching types: 3 0 3 0 0 Precondition courses None 1. Educational goal: Students learn about concepts, techniques and selected examples of application of distributed artificial intelligence and agent systems. . 2. Educational outcomes (acquired knowledge): Students gain knowledge which enables the implementation of agent paradigm in the design and implementation of complex software systems. 3. Course content/structure: Internal architecture of intelligent agent. Multi-agent system (MAS). Communication, coordination and negotiation in MAS. Languages for interagent communication. MAS architecture. MAS software environment. Examples of application. 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 50.00 Oral part of the exam 50.00 Homework Yes Yes Literature Ord Author Title Publisher Year Agentska okruženja 2007 Milan Vidaković Zadužbina Andrejević 1

Developing Intelligent Agents for Distributed Systems

2,

Michael Knapi, Jay Johnson

1998



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Table 5.2	Course	specification
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			_					
Course id:	RT46		D	SP Ar	chitecture and A	Algorithms 2		
Number of ECTS:	4							
Teacher:		Kovačević V	. Jelena					
Course status:		Elective						
Number of active	teaching class	es (weekly)						
Lectures:	Practica	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
3		0	3		0		0	
Precondition cour	ses		None					
1. Educational go	al:							
Students learn ab	out designing a	algorithms for	digital signal p	processing	with emphasis on their ir	nplementation and D	SP programm	ning.
2. Educational ou	tcomes (acquir	ed knowledge):					
Knowledge about processors.	t the basic tec	nniques of de	sign and test	ing of algo	prithms as well as their in	nplementation in dig	gital signal pr	ocessin
3. Course content	t/etructuro:							
which are realized with them). Solvin	d in programma	able sequentia	al networks. W	/riting rout	ose which are realize as o ines adapted to a particu			and those
or manual). Bit-	g a list of items exact testing.	s for verification Forming a te	on and vector st report on t	test for bit	gnal processor and blocks t-exact testing. Translatin of verification items list. gorithms: programming	s implemented in pro g routines into asser Final writing of pro	grammable s mbler code (a gram into pe	peration equentia automation ermanen
or manual). Bit- integrated circuit	g a list of items exact testing. memory. Exa	s for verification Forming a te	on and vector st report on t	test for bit	t-exact testing. Translatin	s implemented in pro g routines into asser Final writing of pro	grammable s mbler code (a gram into pe	perations equentia automatio ermanen
or manual). Bit- integrated circuit 4. Teaching meth Lectures. Tutorial The teaching is d	g a list of items exact testing. memory. Exa ods: s. Computer pr livided into two	s for verification Forming a te mples of imp actice. Consu- blocks. In the	on and vector st report on t lementation ltations. e first block s	test for bit the basis of DSP all tudents at	t-exact testing. Translatin of verification items list.	s implemented in pro g routines into asser Final writing of pro standards (IEEE, IS during the mornings.	grammable s mbler code (a gram into pe SO, ITU-T, E	perations equentia automatio ermanen TSI,).
or manual). Bit- integrated circuit 4. Teaching meth Lectures. Tutorial The teaching is d	g a list of items exact testing. memory. Exa ods: s. Computer pr livided into two	s for verification Forming a te mples of imp actice. Consu- blocks. In the	on and vector st report on t lementation ltations. e first block s second block	test for bil the basis of DSP all tudents at	t-exact testing. Translatin of verification items list. gorithms: programming tend theoretical classes	s implemented in pro g routines into asser Final writing of pro standards (IEEE, IS during the mornings.	grammable s mbler code (a gram into pe SO, ITU-T, E	perations equentia automatio ermanen TSI,).
or manual). Bit- ntegrated circuit 4. Teaching meth _ectures. Tutorial The teaching is d attend computer	g a list of items exact testing. memory. Exa ods: s. Computer pr livided into two	s for verification Forming a te mples of imp actice. Consu blocks. In the es. During the	on and vector st report on t lementation ltations. e first block s second block	test for bil the basis of DSP all tudents at	t-exact testing. Translatin of verification items list. gorithms: programming tend theoretical classes work on their examination	s implemented in pro g routines into asser Final writing of pro standards (IEEE, IS during the mornings.	grammable s mbler code (a gram into pe SO, ITU-T, E	peration equentia automati ermaner TSI,)
or manual). Bit- ntegrated circuit 4. Teaching meth Lectures. Tutorial The teaching is d attend computer Pre-exa	g a list of items exact testing. memory. Exa ods: s. Computer pr livided into two practice classe	s for verification Forming a te mples of imp actice. Consu blocks. In the es. During the	on and vector st report on t lementation ltations. e first block s second block Knowledge e	test for bil the basis of DSP all tudents att students evaluation Points	t-exact testing. Translatin of verification items list. gorithms: programming tend theoretical classes work on their examination (maximum 100 points)	s implemented in pro g routines into asser Final writing of pro standards (IEEE, IS during the mornings.	grammable s mbler code (a ogram into pe SO, ITU-T, E . In the afterm	peration equentia automati ermaner TSI,) noon the Points
or manual). Bit- ntegrated circuit 4. Teaching meth Lectures. Tutorial The teaching is d attend computer Pre-exa	g a list of items exact testing. memory. Exa ods: s. Computer pr livided into two practice classe	s for verification Forming a te mples of imp actice. Consu blocks. In the es. During the	Itations. e first block s second block Knowledge e Mandatory	test for bit the basis of DSP all tudents att students evaluation Points 30.00	tend theoretical classes work on their examination (maximum 100 points) Final ex Coloquium exam Theoretical part of the ex	s implemented in pro g routines into asser Final writing of pro standards (IEEE, IS during the mornings on papers.	grammable s mbler code (a ogram into pe SO, ITU-T, E . In the afterm Mandatory No Yes	peration equentia automati ermaner TSI,) noon the Points 40.0 30.0
or manual). Bit- ntegrated circuit 4. Teaching meth Lectures. Tutorial The teaching is d attend computer Pre-exa	g a list of items exact testing. memory. Exa ods: s. Computer pr livided into two practice classe	s for verification Forming a te mples of imp actice. Consu blocks. In the es. During the	Itations. e first block s second block Knowledge e Mandatory	test for bil the basis of DSP all tudents att students evaluation Points 30.00	t-exact testing. Translatin of verification items list. gorithms: programming tend theoretical classes work on their examinatio (maximum 100 points) Final ex Coloquium exam Theoretical part of the exam	s implemented in pro g routines into asser Final writing of pro standards (IEEE, IS during the mornings on papers.	grammable s mbler code (a ogram into pe SO, ITU-T, E . In the aftern Mandatory No	peration equentia automati ermaner TSI,) noon the Points 40.0 30.0
or manual). Bit- integrated circuit 4. Teaching meth Lectures. Tutorial The teaching is d attend computer Pre-exa	g a list of items exact testing. memory. Exa ods: s. Computer pr livided into two practice classe	s for verification Forming a te mples of imp actice. Consu blocks. In the es. During the	Itations. e first block s second block Knowledge e Mandatory	test for bit the basis of DSP all tudents att students evaluation Points 30.00	t-exact testing. Translatin of verification items list. gorithms: programming tend theoretical classes work on their examinatio (maximum 100 points) Final ex Coloquium exam Theoretical part of the exam	s implemented in pro g routines into asser Final writing of pro standards (IEEE, IS during the mornings. on papers. am am am 1 - tasks	grammable s mbler code (a ogram into pe SO, ITU-T, E . In the aftern Mandatory No Yes Yes	peration: equentia automati- grmanen TSI,) noon the Points 40.00 30.00
or manual). Bit- integrated circuit 4. Teaching meth Lectures. Tutorial The teaching is d attend computer Pre-exa Homework Ord.	g a list of items exact testing. memory. Exa ods: s. Computer pr livided into two practice classe	s for verification Forming a temples of imples of imples of imples of imples of imples of imples. Consult blocks. In the store, blocks. In the store, blocks of the store of t	Itations. e first block s second block Knowledge e Mandatory	test for bil the basis of DSP all tudents att students evaluation Points 30.00	tend theoretical classes work on their examination (maximum 100 points) Final ex Coloquium exam Theoretical part of the exam ature	s implemented in pro g routines into asser Final writing of pro standards (IEEE, IS during the mornings on papers.	grammable s mbler code (a ogram into pe SO, ITU-T, E . In the aftern Mandatory No Yes Yes	peration: equentia automati ermanen TSI,)



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

Study Programme Accreditation

Computing and Control Engineering



UNDERGRADUATE ACADEMIC STUDIES Standard 06.

Programme Quality, Contemporaneity and International Compliance

The study programme is coordinated with contemporary international scientific trends and state of the professional field and is comparable with similar programmes at higher education institutions abroad, Computing and Control Engineering 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. Computing and Control Engineering study programme is comparable and coordinated with:

1.http://www.uc.pt/ects/cursos/curso/index.php?idioma=2&id=194&idF=&idP=&name=&md,

2.http://www.htwk-leipzig.de/english/fbeitenglish/eitbeng.htm,

3.http://www.eng.ucy.ac.cy/ECE/en/undergraduate/computerp.html,

4.http://www.it.uu.se/edu/course/kursstart/autumn,

5.http://www-ee.stanford.edu/EEughb07-08.pdf,

6.http://www.k.dendai.ac.jp/intro.html.en

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, Serbia and Montenegro.



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

Study Programme Accreditation

Computing and Control Engineering

Standard 07. Student Enrollment

UNDERGRADUATE ACADEMIC STUDIES

The Faculty of Technical Sciences, in accordance with social demands and its resources, enrolls to undergraduate academic studies of Computing and Control Engineering 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 Regulations of students enrolment on study programmes.

Students from other study programmes and persons who have completed studies can enroll 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 activities and results of verification activities which a 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

Computing and Control Engineering



Standard 08. Student Evaluation and Progress

UNDERGRADUATE ACADEMIC STUDIES

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, the maximum 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 postgraduate academic studies.



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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Standard 09. Teaching Staff

For the realization of the Computing and Control Engineering 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 subjects and the number of classes for those subjects. 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 all 100% 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, and assistant no more than 15 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

Computing and Control Engineering

Science, arts and professional qualifications

Nom	o and loot n			-	Adřić 7. Nove	nko	
	e and last n emic title:	ame:			Adžić Z. Neve Full Professo		
				a a han u anka full tima and	F H CT		nces - Novi Sad
	e of the insi ng date:	litution v	vnere the te	eacher works full time and	15.09.1978		nces - Novi Sau
	ntific or art f	ield [.]			Mathematics		
	emic carie		Year	Institution	mationatio		Field
	emic title e		2002	Faculty of Technical Sci	ences - Novi S	ad	Mathematics
	thesis		1990	Faculty of Sciences - No			Mathematical Sciences
	ster thesis		1986	Faculty of Sciences - No			Mathematical Sciences
	elor's thesis	s	1976	Faculty of Sciences - No			Mathematical Sciences
		-		acher in the accredited stu		s	
	ID	Course	e name			Study pro	gramme name, study type
1.	E121	Mathe	matical Ana	alysis 2			er, Electronic and Telecommunication g, Undergraduate Academic Studies
	Frank					(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
2.	E221A	Mathe	matical Ana	aiysis 2			asurement and Control Engineering, uate Academic Studies
3.	GG10	Mathe	matical Me	thods 3			I Engineering, Undergraduate Academic Studies
							chanization and Construction Engineering, uate Academic Studies
						u u	ergy and Process Engineering, Undergraduate
4.	M106	Mathe	matics 2			(M40) Teo	chailou chnical Mechanics and Technical Design, uate Academic Studies
						-	duction Engineering, Undergraduate Academic
	00/5					(S00) Trat Academic	fic and Transport Engineering, Undergraduate Studies
5.	S017	Mathe	matics 2				tal Traffic and Telecommunications, uate Academic Studies
6	60212	Matha	matical Sta	tiotico		(S00) Trat Academic	fic and Transport Engineering, Undergraduate Studies
6.	S0213	Mathe	matical Sta	usucs			tal Traffic and Telecommunications, uate Academic Studies
						(Z01) Safe	ety at Work, Undergraduate Academic Studies
						(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies
7.	Z104	Mathe	matics 1				aster Risk Management and Fire Safety, uate Academic Studies
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic
8.	BMI91	Mathe	matics 1			(BM0) Bio Studies	medical Engineering, Undergraduate Academic
9.	BMI92	Mathe	matics 2			(BM0) Bio Studies	medical Engineering, Undergraduate Academic
10.	E101A	Discre	te Mathema	atics			ver, Electronic and Telecommunication g, Undergraduate Academic Studies
						(I10) Indu: Studies	strial Engineering, Undergraduate Academic
11.	IM1012	Probat	bility and St	atistics		(I20) Engi Studies	neering Management, Undergraduate Academic
						(P00) Pro Studies	duction Engineering, Undergraduate Academic



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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

ID Course name Study programme name, study type 12. IM1523 Discrete Mathematics (M30) Energy and Process Engineering, Undergraduat Academic Studies (I20) Engineering Management, Undergraduate Acader Studies 13. P216 Numerical Analysis (P00) Production Engineering, Undergraduate Acader Studies 14. 0M517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 15. 0ML517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 16. DZ01MS Selected Chapters in Mathematics (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies 17. D0M24 Numerical Solutions of Differential Equations (OM1) Mathematics in Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (200) Environmental Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (G00) Growpatic Engineering, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic
12. IM1523 Discrete Mathematics Academic Südies (120) Engineering Management, Undergraduate Acaders Studies 13. P216 Numerical Analysis (P00) Production Engineering, Undergraduate Acaders Studies 14. 0M617 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 15. 0ML517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 16. DZ01MS Selected Chapters in Mathematics (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies 17. D0M24 Numerical Solutions of Differential Equations (OM1) Mathematics in Engineering, Doctoral Academic Studies 17. D0M24 Numerical Solutions of Differential Equations (CM1) Mathematics in Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Graphic Engineering and Design, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Graphic Engineering and Design, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Graphic Engineering and Design, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (GiO) Graphic Engineering,
13. P216 Numerical Analysis (P00) Production Engineering, Undergraduate Academi Studies 14. 0M517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 15. 0ML517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 16. DZ01MS Selected Chapters in Mathematics (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies 17. D0M24 Numerical Solutions of Differential Equations (OM1) Mathematics in Engineering, Specialised Academic Studies 17. D0M24 Numerical Solutions of Differential Equations (D1) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (DM1) Mathematics in Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Power, Electronic and Telecommunication Engineering, Anademic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10)
13. P210 Numerical Analysis Studies 14. 0M517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 15. 0ML517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 16. DZ01MS Selected Chapters in Mathematics (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies 16. DZ01MS Selected Chapters in Mathematics (I22) Engineering Management, Specialised Academic Studies 17. D0M24 Numerical Solutions of Differential Equations (OM1) Mathematics in Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (GI0) Geodesy and Geomatics, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (H00) Mechantons, Doctoral Academic Studies 18. DZ01M Selected Chapters in Mathematics (GI0) Geodesy and Geomatics, Doctoral Academic Studies 18. DZ01M Selec
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 (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
(M40) Technical Mechanics, Doctoral Academic Studie (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies
(OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies
Studies (S00) Traffic Engineering, Doctoral Academic Studies
(Z00) Environmental Engineering, Doctoral Academic Studies
(Z01) Safety at Work, Doctoral Academic Studies
19. AID06 Graph theory (F20) Engineering Animation, Doctoral Academic Stud
Representative refferences (minimum 5, not more than 10)
1. N. Adzic, On the spectral solution for boundary value problem, ZAMM 70,(1990) 6, T647-T649.
2. V. Vrcelj, N. Adzic, Z. Uzelac: A numerical asymptotic solution for singular perturbation problems, International journal of com mathematics, Vol.39, (1991) 229-238.
3. N. Adzic: Modified hermite polynomials in the spectral approximation for boundary layer problems, Bulletin of the Australian mathematical society, Vol.45, (1992) 267-276.<\eng>
4. N. Adzic: Spectral approximation for single turing point problem, ZAMM72(1992)6, T621-T624.
5. N. Adzic: Nonclassical orthogonal polynomials and singularly perturbed problems, ZAMM73(1993) 7/8, T868-T871.
6. N. Adzic: Spectral approximation and asymptotic behaviour of boundary layer problems, ZAMM74(1994)6, T-553-T555.
7. N. Adzic, Z. Uzelac: A combination of spline and spectral approximation for a class of singularly perturbed problems, ZAMM7 (1998), S853-S854
8. Z. Uzelac, N. Adzic: The Approximate Solution for Problems with Nonlocal Boundary Conditions, ZAMM79 (1999), S881-S88
9. N. Adzic, Z. Uzelac: On spectral approximation for some two-dimensional singularly perturbed problems, ZAMM79 (1999), S8 S852



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

Study Programme Accreditation

Computing and Control Engineering

UNDERGRADUATE ACADEMIC STUDIES

Summary data for teacher's scientific of art and professional activity.					
Quotation total :	5				
Total of SCI(SSCI) list papers :	10				
Current projects :	Domestic :	2	International :	0	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Science, arts and professional qualifications

Name and last name:			Atlagić S. Branislav					
Academic title:			Associate Professor					
Name of the institution where the teacher works full time and								
starting date:			07.01.1985					
Scientific or art field: Compute					Computer En	gineering ar	nd Computer Communication	
Academic carieer Year Institution							Field	
Acad	emic title el	ection:	2011				Computer Engineering and Computer Communication	
PhD	thesis		2001	Faculty of Technical Sci	ences - Novi S	es - Novi Sad Electrical and Computer Engineerin		
Magi	ster thesis		1996	Faculty of Technical Sci	ences - Novi S	Sad Electrical and Computer Engineering		
Bach	elor's thesis	S	1984	Faculty of Technical Sci	ences - Novi S	Novi Sad Electrical and Computer Engineering		
List o	f courses b	eing he	ld by the te	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study programme name, study type		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1	F220	Logia	Decign of C	Someuter Systems 3		(ES0) Power Software Engineering, Undergraduate Academic Studies		
1.	E230	LOGICI	Design of Computer Systems 2				easurement and Control Engineering, luate Academic Studies	
							er, Electronic and Telecommunication g, Undergraduate Academic Studies	
				(E20) Computing and Control Engineering, Undergraduate Academic Studies				
2.	RT49	Real Time Software 1				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
۷.	K145					(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
3.	RT49A	104 Roal Time Software 2				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
0.	1(140)(RT49A Real Time Software 2				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
4.	ESI006	Introduction to critical mission software for power grid			oower grids	(ES0) Power Software Engineering, Undergraduate Academic Studies		
5.	ESI009	Smart	Grid Comn	nunication Protocols		(ES0) Power Software Engineering, Undergraduate Academic Studies		
6.	ESI019	Critica	l mission so	oftware for power grids		(ES0) Power Software Engineering, Undergraduate Academic Studies		
					(E20) Con Academic	nputing and Control Engineering, Master Studies		
7.	RT58	Dedicated Computer Structure Design 2				(SE0) Software Engineering and Information Technologies, Master Academic Studies		
						· · ·	er, Electronic and Telecommunication ng, Master Academic Studies	
8.	ESI025	Simulation of Power Greed critical mission systems			systems	(ES0) Power Software Engineering, Master Academic Studies		
9.	ESI033	Advanced Power Grid Communication Protocols			ocols	(ES0) Power Software Engineering, Master Academic Studies		
10.	10. DRNI02 Selected Topics in Advanced Software Architecture				(E20) Computing and Control Engineering, Doctoral Academic Studies			
Representative refferences (minimum 5, not more than 10)								
1. Udžbenik "Logičko projektovanje računarskih sistema II", V.Kovačević, B.Atlagić, FTN 2007/2009.								
2.	Journal of Software Maintenance and Evolution, John Wiley and Sons Ltd, March-April Issue, 2001.							
3.	 D.Kukolj, M.Berko-Pušić, B.Atlagić, "Experimental Design of Supervisory Control Functions Based on Multylayer Perceptron", Artificial Intelligence for Engineering Design, Analysis and Manufacturing, 15(5) 2001, pp. 425-431. 							

SITAS STUDIO		UNIVERSITY OF NOVI SAD							
		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
D'N		Study F	rogramme Accreditation						
St.	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	DIES Computing and Control Engineering					
Rep	presentative r	efferences (minimum 5, not more th	an 10)						
4.	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.	6. B.Atlagic, M.Sagi, D.Milinkov, S.Culaja, B.Bogovac, "A way towards efficiency of SCADA infrastructure", ECBS 2012, Novi Sad 2012.								
7.	7. B.Atlagic, D.Milinkov, M.Sagi, B.Bogovac, "High-Performance Networked SCADA Architecture For Safety-Critical Systems", ECBS-EERC 2011, Bratislava.								
8.	8. B.Atlagic, V.Mihić, T.Maruna, "A Methodology for Specification and Development of Control Code in Industrial DCS Application", XIV International Conference on Systems Science, Wroclav 2001.								
9.	B.Atlagic, M.Sagi, D.Milinkov, B.Bogovac, S.Culaja, "Model-based approach to the Development of SCADA applications", The 9th IEEE Workshop on Model-Based Development for Computer-Based Systems, Novi Sad 2012.								
10.	0. B.Atlagic, D.Kukolj, V.Kovacevic, M.Popovic, "Application development environment of an integrated SCADA system", EUROCON 2003, Ljubljana 2003.								
Summary data for teacher's scientific or art and professional activity:									
Quotation total :			0						
Total	of SCI(SSCI)	list papers :	3		•				
Curre	ent projects :		Domestic :	2	International :	1			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Science, arts and professional qualifications

Nam	Name and last name:					Bajović M. Vera		
Name and last name: Academic title:			Associate Professor					
Name of the institution where the teacher works full time and								
starting date:			16.02.1977					
Scientific or art field:			Theoretical Electrotechnics					
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title e	lection:	2011				Theoretical Electrotechnics	
PhD	thesis		1994	Faculty of Technical Sci	ences - Novi Sa	ad	Electrical and Computer Engineering	
Magi	ster thesis		1983	School of Electrical Eng	ineering - Beog			
Bach	elor's thesis	S	1974	Faculty of Technical Sci				
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study programme name, study type		
1.	E216	Funda	mentals of	Electrical Engineering		(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies		
2.	EOS01	Funda	mental elec	trical engineering		(E01) Pow	ver Engineering - Renewble Sources of Electrical Indergraduate Professional Studies	
3.	H104	Funda	mentals of	Electrical Engineering 1		(H00) Med	chatronics, Undergraduate Academic Studies	
4.	E105					(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
5.	E110	Fundamentals of Electrical Engineering 2				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
6.	ETI04	Fundamentals of Electrical Engineering				(E02) Electronics and Telecommunications, Undergraduate Professional Studies		
7.	ETI29	29 Monitoring and Noise Protection				(E02) Electronics and Telecommunications, Undergraduate Professional Studies		
8.	DE208S	Selected Chapters on Electromagnetic Compatibility			npatibility	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies		
9.	E1IEP	P Investigation of electromagnetic fields				(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication		
	· · ·					Engineering, Master Academic Studies		
Rep				num 5, not more than 10)	and also to to t	a alle XI		
1.	informacijom", Fakultet tehnickih nauka u Novom Sadu, 1994.							
2.								
3.	and Energetics, vol. 13, No.2, pp. 143-155, August 2000.							
4.	Conference: Energy and the Environment, Phuket, 2-3 Maj, 2011							
5.	Oktobar, 2011, pp. 701-704, ISBN 978-1-4577-2016-1							
6.	Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, pp. 1-5, ISBN 978-86-7892-355-5							
7.	Network, 10. International Conference on Applied Electromagnetics, Nis, 25-29 Septembar, 2011, ISBN ISBN: 978-88-8125-04							
8.	Conference on Applied Electromagnetics, Nis, 25-29 Septembar, 2011, pp. 1-4, ISBN 978-86-6125-042-2							
9.	 Prša M., Kasaš-Lažetić K., Bajović V.: Determination of Earth Impedance, PSU-UNS International Conference on Engineering and Environment – ICEE - 2007, Phuket, Thailand: Faculty of engineering, Prince Songkla University, 10. i 11. Maj, 2007, pp. 240-726 -240-729. 							

UNIVERSITY OF NOVI SAD INIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering INDERGRADUATE ACADEMIC STUDIES INDERGRADUATE ACADEMIC STUDIES

0

International :

0

Domestic :

Current projects :



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Science, arts and professional qualifications

Name and last name:			Bašičević V. Ilija					
Academic title:			Assistant Professor					
Name of the institution where the teacher works full time and		-						
	ig date:	iold:			Computer En	aincorina o	nd Computer Communication	
Scientific or art field: Academic carieer Year Institution				gineering ar	Field			
	emic title el		2009	Faculty of Technical Sci	iences - Novi Sad		Computer Engineering and Computer Communication	
PhD t	hesis		2009	Faculty of Technical Sci	iences - Novi Sad		Computer Engineering and Computer Communication	
Magis	ter thesis		2001	Faculty of Technical Sci	iences - Novi Sad		Computer Science	
	elor's thesis	6	1998	Faculty of Technical Sci			Computer Science	
List of	f courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study programme name, study type		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E23B	Funda	mentals of	Computer Networks 1		(ES0) Power Software Engineering, Undergraduate Academic Studies		
							er, Electronic and Telecommunication g, Undergraduate Academic Studies	
		1 Computer Network Fundamentals 2				(E20) Computing and Control Engineering, Undergraduate Academic Studies		
2.	E23B1					(ES0) Power Software Engineering, Undergraduate Academic Studies		
							er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
3. RT41		Intercomputer Communications and Compu 1			iter Networks	(ES0) Power Software Engineering, Undergraduate Academic Studies		
						(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
4.	4. DRT05 Selected Chapters of Computer Communications					(E20) Computing and Control Engineering, Doctoral Academic Studies		
						(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
Rep				num 5, not more than 10)				
1.	 Basice Telecomr 	/ic, M. F nunicati	opovic, "Us	se of SIP in the Developm sionals", 2008, Vol. 2, Par	ent of Telecom t 3, ISSN 1447	Services -4739	A Case Study", "The Journal of the Institute of	
2.	 Telecommunications Professionals", 2008, Vol. 2, Part 3, ISSN 1447-4739. I.Basicevic, M. Popovic, V. Kovacevic, "Use Of Publisher-Subscriber Design Pattern in Infrastructure of Distributed IDS Systems", ICNS 2007, Athens, Greece, June 19-23, 2007 							
3.	L Paciacylia M. Papavia D. Kukoli "Comparison of SIP and H 223 Protocole" ICDT 2008, Pucharast, Pamania, Juna 20, July 5							
4.	M. Popovic, L.Basicevic, V.Vitunski, "A Task Tree Executor: New Runtime for Parallelized Legacy Software", ECBS 2009, San							
5.	Bašičević I. Ponović M. Session Initiation Protocol. Encyclonedia of Internet technologies and applications. Editors Mario Freire							
6.	Popović M. Bašičević L. Test case generation for the task tree type of architecture. Information and Software Technology							
7.	Popović M. Kuprečanin L. Bačičević L. Ceneric method for statistical testing of parallel programs based on task tracs. Scientific							
8.	Bašičević L Kukoli D. Ponović M. On the Application of Euzzy-based Flow Control Approach to High Altitude Platform							
9.	Popović M., Bašičević I.: Formal verification of embedded software based on software compliance properties and explicit use of time, International Journal of Computers, 2011, Vol. 5, No 3, pp. 423-430, ISSN 1998-4308							
10.				perational profiles for Stati pl. 10, No 2, pp. 8-16, ISS		of Distributio	n Management System, INFOCOMP Journal of	
Sum	mary data	for teac	her's scien	tific or art and professiona	I activity:			



Study Programme Accreditation

PLANTER	UNDERGRADUATE ACADEMIC	Computing	HOS		
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

Computing and Control Engineering

Nom	a and last n	amo:			Rorić R. Andr	iiana			
	Name and last name: Academic title:				Berić B. Andrijana Lecturer				
		itution w	where the te	acher works full time and					
	ng date:				04.11.2004				
Scier	Scientific or art field:				German				
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic 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	5	2003	Faculty of Philosophy - I	Novi Sad		German		
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.	F330	Germa	an Languag	e – LSP Course 1		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies		
2.	F331	Germa	an Languag	e – LSP Course 2		(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies		
						(AS0) Sce	nitecture, Undergraduate Academic Studies enic Architecture, Technique and Design, uate Academic Studies		
					(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies			
3.	NJ01Z	German Language – Elementary			(Z01) Sa		ety at Work, Undergraduate Academic Studies		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
							(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
						(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic		
						(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies		
						(G00) Civil Engineering, Undergraduate Academic Studies			
						chanization and Construction Engineering, uate Academic Studies			
					(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies			
						· · ·	nnical Mechanics and Technical Design, uate Academic Studies		
4.	NJ02L	Corma		e – Pre-Intermediate		(P00) Proo Studies	duction Engineering, Undergraduate Academic		
	NUUZL	Jenno	an Languay			Academic			
							tal Traffic and Telecommunications, uate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
							(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
							aster Risk Management and Fire Safety, uate Academic Studies		
							(Z20) Environmental Engineering, Undergraduate Academic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	ID	Course name	Study programme name, study type		
		3Z German Language – Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate		
5.	5. NJ03Z		Academic Studies (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		
		J1L German Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies		
			(F10) Engineering Animation, Undergraduate Academic Studies		
9.	NJ1L		(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		
		German Language for Engineers 1	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
10.	NJT1		(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		
17.	NJ02L	German Language – Pre-Intermediate	(110) Industrial Engineering, Undergraduate Academic Studies		
			(I20) Engineering Management, Undergraduate Academic Studies		
18.	NJIIM	German for Specific Purposes	(110) Industrial Engineering, Undergraduate Academic Studies		
			(I20) Engineering Management, Undergraduate Academic Studies		

HSITAS STUDIO		FACULTY OF TECHNICAL SC	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
U. NEO	ANTEN S	-	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering				
List c	of courses b	eing held by the teacher in the accred	dited study programme	es			
	ID	Course name		Study program	me 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	refferences (minimum 5, not more th	nan 10)				
1.	Prevod: I	novacije i trendovi u proizvodnji alatni	ih mašina				
2.	Prevod: I	nženjerstvo mehatroničnih sistema					
3.	Prevodi z	a Pro Elektro (u toku)					
4.	4. Prevod: Arbeitszenarien und Optimierung von Abläufen und Steuerung von selbstorganisierenden Bionic Assembly System in CIM Umgebung (u toku)						
Sur	mmary data	for teacher's scientific or art and prof	essional activity:				
Quot	Quotation total : 0						
		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

Computing and Control Engineering

Acade	e and last n emic title:	ame:			ы водdanović Z	. vesna	1	
Name	ernic title:				Bogdanović Ž. Vesna			
	Name of the institution where the teacher works full time and					Senior Lecturer Faculty of Technical Sciences - Novi Sad		
Julia		itution w	nere the te	acher works full time and	15.12.1999			
Scientific or art field:								
	emic cariee		Year	Institution	English		Field	
	emic title el		2009	Faculty of Technical Scie	ences - Novi Sa	be	English	
	ster thesis		2009	Faculty of Philosophy - N		20 	English	
	elor's thesis	;	1999	Faculty of Philosophy - N			English	
				acher in the accredited stu		S		
	ID		e name		20) programme		ogramme name, study type	
1.	AEJ1L	English	n Language	- Elementary		(A00) Arch	hitecture, Undergraduate Academic Studies	
2.	AEJ2L	English	n Language	intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	English	n intermedia	ate		(A00) Arch	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	English	n Language	- upper intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
						(G00) Civi	il Engineering, Undergraduate Academic Studies	
						(M20) Mea Undergrad	chanization and Construction Engineering, luate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	EJ01L	English Language – Elementary			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
				Studies		duction Engineering, Undergraduate Academic		
						S00) Traffic and Transport Engineering, Undergraduate cademic Studies		
							tal Traffic and Telecommunications, uate Academic Studies	
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
					(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
6.	EJ01Z	English	n Language	- Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
					(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
					(Z20) Environmental Engineering, Undergraduate Acad Studies			
		_					ver, Electronic and Telecommunication Ig, Undergraduate Academic Studies	
						(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies	
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
7.	EJ02L	English	n Language	– Pre-Intermediate		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
							aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	

AND A CONTRACTOR

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List	List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type			
			(I10) Industrial Engineering, Undergraduate Academic Studies			
8	F.1027	English Language – Pre-Intermediate	(120) Engineering Management, Undergraduate Acaden Studies			

8.	EJ02Z	English Language – Pre-Intermediate	Studies (120) Engineering Management, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
9.	EJ03Z	English Language - Intermediate	 (F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
10.	EJ04L	English Language – Upper Intermediate	 (F00) Graphic Engineering and Design, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
11.	EJ1Z	English Language - Elementary	 (E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) 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 (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
12.	EJ2L	English Language – Intermediate	 (E20) Computing and Control 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 (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List c	List 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, 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.	EJM	English Language – ESP Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies					
20.	LOW		(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					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

urooo boi	na hold by	the teach	r in the oc	oroditod ot	idv programn	000

List o	f courses b	eing held by the teacher in the accredited study programme	25
	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
35.	EJ1Z EJ2Z	English Language - Elementary English Language – Intermediate	 (E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) 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 (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 (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
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	refferences (minimum 5, not more than 10)	
1.	Vesna Ma	arković, English in Civil Engineering, FTN Izdavaštvo, Novi	Sad, 2004.
2.	Vesna Bo	ogdanović, Ivana Mirović, Engleski jezik za grafičko inženjer	rstvo i dizajn 1, FTN Izdavaštvo, Novi Sad, 2007.
3.	Ivana Mir	ović, Vesna Bogdanović, Engleski jezik 2 za grafičko inženj	erstvo i dizajn, FTN Izdavaštvo, Novi Sad, 2008
4.	Vesna Ma	arković, English in Civil Engineering, drugo izdanje, FTN Izo	davaštvo, Novi Sad, 2008.
5.		y of Novi Sad, Faculty of Technical Sciences, prevele: Marir ovi Sad, 2004.	na Katić, 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.		vić Vesna, Mirović Ivana, Ličen Branislava, Kreiranje udžbe ja, Zbornik radova međunarodne konferencije Jezik struke	
8.	Mirović Iv		stručnog engleskog jezika na FTN-u u Novom Sadu, Zbornik

FACULT		UNIVERSITY OF NOVI SAD					
		FACULTY OF TECHNICAL SC	CULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
0.2		Study F	Programme A	ccreditatio	on	T IS	
6	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES Computing and Control Engineerin			A HOS	
Re	presentative r	efferences (minimum 5, not more th	an 10)				
9.		esna, Gak Dragana, Bogdanović V e Jezik struke – teorija i praksa, DS			om fakultetu, Zbornik radova	međunarodne	
10.		na, Bulatović Vesna, Bogdanović V lova međunarodne konferencije Jez				ı fakultetu,	
Su	Summary data for teacher's scientific or art and professional activity:						
Quot	tation total :		0				
Tota	I 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

Computing and Control Engineering

Name and last name:					Bojanić M. Dubravka			
	lemic title:	anio.			Assistant Professor			
		titution v	where the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
-	ng date:			action worke fundition and	24.06.2003			
Scier	ntific or art f	ield:			Automatic Co	ntrol and Sy	stem Engineering - biomedicine	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title e	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering - biomedicine	
PhD	thesis		2012	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Magi	ster thesis		2003	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Bach	elor's thesis	S	1998	School of Electrical Eng	ineering - Beog	rad	Automatic Control and System Engineering	
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	gramme name, study type	
1.	AU42	Techn	ical Equipm	ent for Control Systems		Academic (MR0) Me	nputing and Control Engineering, Undergraduate Studies asurement and Control Engineering, uate Academic Studies	
2.	AU43	Funda	mentals of	Biomedical Engineering		Studies (E20) Con	medical Engineering, Undergraduate Academic nputing and Control Engineering, Undergraduate	
3.	AU47	DSP Applications in Control Systems				Academic Studies (E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
4.	AU49	Metho	ds of Medic	al Image Forming and An	alysis	(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
5.	AUN43	Biome	dical Engin	eering Technologies		(E20) Computing and Control Engineering, Undergraduate Academic Studies		
6.	GI007	Digital	Signal Pro	cessing in Geomatics		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
7.	BMI112	Biome	dical engin	eering in sport physiology		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
8.	BMI113	Neuro	engineering)		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.	BMI114	Neura	Prosthesis	3		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
10.	BMI122	Neuro	rehabilitatio	n		Studies	medical Engineering, Undergraduate Academic	
11.	BMI124	Syster	n Modeling	and Simulation		Studies	medical Engineering, Undergraduate Academic	
12.	BMI125	Biolog	ical Control	Systems		Studies	medical Engineering, Undergraduate Academic	
13.	E2314	Microp	processor B	ased Control Devices		Academic		
14.	SEAU03	Real-time control algorithms				Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
15.	SEAU05	DSP Applications in Control Systems				Undergrad (SEL) Sof	tware Engineering and Information Technologies, uate Academic Studies tware Engineering and Information Technologies - ndergraduate Academic Studies	
16.	SEAU07	Signals and systems				(SE0) Soft Undergrad (SEL) Soft	tware Engineering and Information Technologies, uate Academic Studies tware Engineering and Information Technologies - ndergraduate Academic Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

courses being held by the tea	cher in the accredited study programmes
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			lited study programme				
	ID	Course name		Study programme name, study type			
17.	SEAU08	Microprocessor Based Control Devic	2es	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
	02/1000			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
18.	AU503	Methods of Analysing Electrophysiol	ogical Signals	(E20) Computing and Control Engineering, Master Academic Studies			
19.	AU504	Movement Control		(E20) Computing and Control Engineering, Master Academic Studies			
20.	AU505	Neural Prostheses		(E20) Computing and Control Engineering, Master Academic Studies			
21.	AU507	Principles of Biomedical Engineering	1	(E20) Computing and Control Engineering, Master Academic Studies			
22.	AU508	Information Flow in Medicine		(E20) Computing and Control Engineering, Master Academic Studies			
23.	BMIM3A	Biophysiological systems modelling		(BM0) Biomedical Engineering, Master Academic Studies			
24.	BMIM3C	Functional Electrical Therapy		(BM0) Biomedical Engineering, Master Academic Studies			
25.	SEAM01	Intelligent Control Systems		(SE0) Software Engineering and Information Technologies, Master Academic Studies			
26.	SEAM04	Soft Sensors		(SE0) Software Engineering and Information Technologies, Master Academic Studies			
27.	DAU007	Selected Topics in Artificial Intelliger Signal Processing	ice in Control and	(E20) Computing and Control Engineering, Doctoral Academic Studies			
28.	DAU008	Selected Chapters in Signal Process Engineering	sing in Biomedical	(E20) Computing and Control Engineering, Doctoral Academic Studies			
29.	DAU009	Selected Chapters in Biomedical Ins	trumentation and	(E20) Computing and Control Engineering, Doctoral Academic Studies			
20.	DAGOOS	Telemetry		(OM1) Mathematics in Engineering, Doctoral Academic Studies			
Rep	oresentative	refferences (minimum 5, not more th	an 10)				
1.		Bijelic A., Bijelic G., Jorgovanović N., I stimulation , Artificial Organs, 2005,		., Popović D.: Multi-field surface electrode for selective 3-452, ISSN 0160-564X			
2.	Čongrada algorithm	ac V., Bojanić D., Čapko D.: Algorithm and fuzzy logic, Solar Energy, 2012,	for blinds control bas Vol. 86, No 9, pp. 276	ed on the optimization of blind tilt angle using a genetic i2-2770, ISSN 0038-092X			
3.)., Petrovački-Balj B., Jorgovanović N. palsy, Journal of Neuroscience Metho		of dynamic EMG patterns during gait in children with 325-331, ISSN 0165-0270			
4.	with Para	M.B., Jorgovanovic, N., Bijelic, G., Bo Ilysis, Proc of REDISCOVER 2004 So ation in Control and Signal Processin	utheastern Europe, U	B., Synergistic Control of Grasping and Releasing In Humans SA, Japan and European Community Workshop on Research Cavtat, Croatia, pp 86-89.			
5.				c, D.B., Actitrode – a selective Array Electrode: A Tool to DICON, Ischia, July 31-August 5, 2004.			
6.		Bijelic, A., Bijelic, G., Jorgovanovic, N electrical stimulation, Proc 8th Vienna		c, D.B., Popovic, M.B., Multi-field surface electrode for Sep 10-13, 2004., pp 195-198			
7.		um on Neural Network Applications in		ets for Real-time Heart Rate Monitoring, 8. NEUREL - g, IEEE, belgrade, 25-27 Septembar, 2006, pp. 133-136, ISBN			
8.		D., Popovic, D.B., "QRS detection fro gical Engineering Conference, Vienna		ecordings by using dyadic wavelets", 2nd European Medical			
9.).: Razvoj ekspertnog sistema za inter kultet tehničkih nauka, januar 2012.	pretaciju elektrofiziolo	ških signala, Doktorska disertacija, Univerzitet u Novom			
10.	Bojanić Dubravka, "Detekcija ORS kompleksa u EKG signalu korišćenjem dvadic wavelet transformacije". Magistarska teza						
Sun	nmary data	for teacher's scientific or art and profe	essional activity:				
Quota	ation total :		62				
Total	of SCI(SSC	CI) list papers :	3				
-	Irrent projects : Domestic : 1 International : 1						





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Academic 118: Assistant Professor Name of the institution where the teacher works full time and Eaculty of Technical Sciences - Novi Sad Encluty of Technical Sciences - Novi Sad Academic cardine Yea Institution Field Academic cardine Yea Institution Field Academic cardine Yea Institution Field Academic cardine Yea Institution Production Systems, Organization and Management Academic cardine's thesis 1997 Faculty of Technical Sciences - Novi Sad Production Systems, Organization and Management Ib Course name Study programme name, study type Yeademic Studies I. E2141 Information System Engineering (E20) Computing and Control Engineering, Undergraduat Academic Studies 3. III dution and Entrepreneurship (110) Industrial Engineering, Undergraduate Academic Studies 4. IM1005 Entrepreneurship (120) Engineering Management. 5. IM1021 Entrepreneurship (101) Industrial Engineering, Undergraduate Academic Studies 6. IM1031 Entrepreneurship (120) Engineering Management. 7.	Nam	e and last n	ame:			Borocki V. Je	lena		
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11. IM1217 Entrepreneurship and New Business Venturing Studies 12. IM1218 Models of open innovations and corporate entrepreneurship (I20) Engineering Management, Undergraduate Academic Studies 13. IM1220 Entrepreneurial strategies (I20) Engineering Management, Undergraduate Academic Studies 14. IM1222 Managing intellectual capital of enterprise (I20) Engineering Management, Undergraduate Academic Studies 15. EE546 Entrepreneurship in Electrical Engineering (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies 16. IMDR0S Selected chapters in enterprise's design, organization and control (I12) Industrial Engineering Management, Specialised Academic Studies 17. IMDS61 Innovative business operations of enterprise (I22) Engineering Management, Specialised Academic Studies	10.	IM1216	Entrep	reneurship	in high technology		Studies		
12. INT210 entrepreneurship Studies 13. IM1220 Entrepreneurial strategies (I20) Engineering Management, Undergraduate Academic Studies 14. IM1222 Managing intellectual capital of enterprise (I20) Engineering Management, Undergraduate Academic Studies 15. EE546 Entrepreneurship in Electrical Engineering (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies 16. IMDR0S Selected chapters in enterprise's design, organization and control (112) Industrial Engineering, Specialised Academic Studies 17. IMDS61 Innovative business operations of enterprise (122) Engineering Management, Specialised Academic Studies	11.	IM1217	-			ring	Studies		
13. IM1220 Entrepreneural strategies Studies 14. IM1222 Managing intellectual capital of enterprise (I20) Engineering Management, Undergraduate Academic Studies 15. EE546 Entrepreneurship in Electrical Engineering (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies 16. IMDR0S Selected chapters in enterprise's design, organization and control (122) Engineering Management, Specialised Academic Studies 17. IMDS61 Innovative business operations of enterprise (122) Engineering Management, Specialised Academic	12.	IM1218			novations and corporate		Studies		
14. IM1222 Managing intellectual capital or enterprise Studies 15. EE546 Entrepreneurship in Electrical Engineering (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies 16. IMDR0S Selected chapters in enterprise's design, organization and control (112) Industrial Engineering, Specialised Academic Studies 17. IMDS61 Innovative business operations of enterprise (122) Engineering Management, Specialised Academic	13.	IM1220	Entrepreneurial strategies					eering Management, Undergraduate Academic	
15. EE546 Entrepreneurship in Electrical Engineering Engineering, Master Academic Studies 16. IMDR0S Selected chapters in enterprise's design, organization and control (112) Industrial Engineering, Specialised Academic Studies 17. IMDS61 Innovative business operations of enterprise (122) Engineering Management, Specialised Academic Studies	14.	IM1222	Manag	jing intellec	tual capital of enterprise		(I20) Engineering Management, Undergraduate Academic Studies		
16. IMDR0S Selected chapters in enterprise's design, organization and control (122) Engineering Management, Specialised Academic Studies 17. IMDS61 Innovative business operations of enterprise (122) Engineering Management, Specialised Academic Studies	15.	EE546	Entrep	reneurship	in Electrical Engineering				
17 IMDS61 Innovative business operations of enterprise (122) Engineering Management, Specialised Academic	16.	IMDR0S				ganization			
L I I I I I I I I I I I I I I I I I I I	17.	IMDS61	Innova	itive busine	ss operations of enterprise	e		neering Management, Specialised Academic	

HENTAS STUDIO

UNIVERSITY OF NOVI SAD

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



Ĩ.		FACULTY OF TECHNICAL SCIENCES 21000 NOVI	SAD, TRG DOSITEJA OBRADOVICA 6		
U.NEO	ANTER S	Study Programme A	Accreditation		
List o	of courses b	eing held by the teacher in the accredited study programme			
	[
	ID	Course name	Study programme name, study type		
18.	IMDS65	Entrepreneurship and Organizational Development	(I22) Engineering Management, Specialised Academic Studies		
19.	MBA412	Strategy of Tochnological Innovations	(I20) Engineering Management, Specialised Professional Studies		
19.	WIDA412	Strategy of Technological Innovations	(IB0) Engineering Management - MBA, Specialised Professional Studies		
20.		Integrated Publicase Drasses	(I20) Engineering Management, Specialised Professional Studies		
20.	MBA414	Integrated Business Processes	(IB0) Engineering Management - MBA, Specialised Professional Studies		
	MDASIS		(I20) Engineering Management, Specialised Professional Studies		
21.	MBA515	decision macing and change	(IB0) Engineering Management - MBA, Specialised Professional Studies		
	22. IIDS19		(112) Industrial Engineering, Specialised Academic Studies		
22.		Organizational structures	(I22) Engineering Management, Specialised Academic Studies		
23.	IM2217	Technology based Entrepreneurship	(I20) Engineering Management, Master Academic Studies		
24.	IM2219	Strategic Entrepreneurship	(M50) Energy Management, Master Academic Studies		
		Instruments of entrepreneurship and regional	(I20) Engineering Management, Master Academic Studies		
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	presentative	e refferences (minimum 5, not more than 10)			
1.	Bojović, \	/., Borocki, J., Mirosavljev, M., Radovanović J., Rašković, \	/., Šenk, V., VODIČ ZA INOVATIVNE PREDUZETNIKE		

Borocki, J., Cosic, I., Lalic, B., Maksimovic, R., Analysis of company development factors in manufacturing and service company: a strategic approach, Strojniski vestnik - Journal of Mechanical Engineering, 0039-2480, pp.55-68

Katic (Drezgic) I., Borocki J., Zekic S., Penezic N.: Entrepreneurship significance in restructuring process, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 902-907, ISSN 1840-1503

Raskovic, V., Senk, V., Borocki, J., Cosic, I.: PROMOTING ENTREPRENEURIAL THINKING IN WOULD-BE AND EXISTING 4 HIGH-TECH COMPANIES IN SERBIA, Promoting Entrepreneurship by Universities, Hämeenlinna, Finland: FINPIN, HAMK University of Applied Sciences and Häme Convention Bureau, april, 2008, pp. 83-90, ISBN 978-951-827-096-9.

Djakovic, V., Andjelic, G., Borocki, J., Performance of extreme value theory in emerging markets: an empirical treatment, African Journal of Business and Management, ISSN: 1993-8233 Vidicki P., Borocki J., Senk V., Raskovic V.: Innovation activities in enterprise: different models of measurement, 15. International

Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Science, September 14-16, 2011, pp. 473-478, ISBN 978-86-7892-341-8, UDK: 658.5 Borocki J., Senk V.: ANALYSIS OF INNOVATION FACTORS OF MICRO AND SMALL COMPANIES: A STRATEGIC

APPROACH, 3. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Novi Sad: 7. Proceedings of the 3rd nternational Conference on Entrepreneurs, Innovation and Regional Development - ICEIRD 2010, Novi Sad, Faculty of Technical Sciences, Department of Industrial Engineering and Management, 27-29 Maj, 2010, pp. 61-68, ISBN 978-86-7892-250-3

Borocki, J., Maksimovic, R.: STRATEGIC PLANNING IN A FUNCTION OF ORGANIZATIONAL INNOVATIVENESS, International Conference on INDUSTRIAL SYSTEMS IS'08, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 02-03. October, 8 2008, pp. 415- 420, UDK: 658.5(082), ISBN 978-86-7892-135-3.

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	TAS STU		UNIVERSITY OF NC	VI SAD		avuy .		
Web and	NOI OR	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
ND. NEO	SUCCESS SUCCESS	Study F	Study Programme Accreditation					
Re		efferences (minimum 5, not more th		Computing	and Control Engineering			
9.	AND BUSI Skoplje: Bu	Raskovic V., Senk V.: EDUCATINO NESS AREA , 1. International Conf siness Start-up Centre, University " 001.896(062),005(062),005.591(062)	erence for Entreprene Ss. Ciril and Methodiu	eurship, Innovatio	n and Regional Developme	ent ICEIRD,		
10.		Doktorska disertacija Naziv: RAZV ĆA, Novi Sad, 2009	OJ MODELA STRATI	EGIJSKOG PLAN	IIRANJA U FUNKCIJI INOV	/ATIVNOSTI		
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:					
Quo	tation total :		0					
Total of SCI(SSCI) list papers : 3								
Curr	ent projects :		Domestic :	2	International :	1		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nom	o and loot n				Dudinaki Datl		ha	
	e and last n emic title:	lame.			Budinski-Petković M. Ljuba Full Professor			
		titution v	where the t	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
	ng date:					01.10.1989		
			Physics					
Acad	emic caries	er	Year	Institution			Field	
Acad	emic title e	lection:	2009				Physics	
PhD	thesis		1998	Faculty of Sciences - No	ovi Sad		Physics	
Magi	ster thesis		1996	Faculty of Physics - Bec	ograd		Physics	
Bach	elor's thesis	S	1988	Faculty of Sciences - No	ovi Sad		Physics	
List c	of courses b	eing he	Id by the te	acher in the accredited stu	udy programme	es	•	
-	ID	Course	e name			Study pro	ogramme name, study type	
1.	E215	Physic	s			(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(F10) Eng Studies	ineering Animation, Undergraduate Academic	
2.	H101	Physic	S			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						(H00) Med	chatronics, Undergraduate Academic Studies	
3.	IAFI01	Colors	and Light			(F10) Eng Studies	ineering Animation, Undergraduate Academic	
4.	BMI93	Physic	S			(BM0) Biomedical Engineering, Undergraduate Academic Studies		
						(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies		
		Selected Chapters in Physics				(112) Industrial Engineering, Specialised Academic Studies		
5.	DZ01FS					(I22) Engi Studies	neering Management, Specialised Academic	
						(Z00) Env Studies	ironmental Engineering, Specialised Academic	
						(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
						Studies	phic Engineering and Design, Doctoral Academic	
					(G00) Civ		il Engineering, Doctoral Academic Studies	
						· /	desy and Geomatics, Doctoral Academic Studies	
						(H00) Mechatronics, Doctoral Academic Studies		
6.	DZ01F	Select	ed Chapter	s in Physics		(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
						(M00) Mechanical Engineering, Doctoral Academic Stud		
						(M40) Teo	chnical Mechanics, Doctoral Academic Studies	
						(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
						(S00) Trat	ffic Engineering, Doctoral Academic Studies	
						(Z00) Env Studies	ironmental Engineering, Doctoral Academic	
						(Z01) Safety at Work, Doctoral Academic Studies		
Rer	oresentative	e reffere	nces (minir	num 5, not more than 10)				
1.	Budinski-	Petkovi	ć Lj., Lonča	. ,			tion in random sequential adsorption of extended 1-8	
2.	Šćepano	vić J., L	ončarević I	., Budinski-Petković Lj., Ja	ıkšić Z., Vrhova	ac S.: Relax	ation properties in a diffusive model of k-mers l. 84, No 031109, pp. 1-13	
3.	Budinski-	Petkovi	ć Lj., Lonča	arević I., Jakšić Z., Vrhova	c S., Švrakić N	.: Simulatio	n study of anisotropic random sequential	
0.	adsorption of extended objects on a triangular lattice, Physical Review E, 2011, Vol. 84, No 5, pp. 5160-1							

West and	TAS STUDIO	FACULTY OF TECHNICAL SCI	UNIVERSITY OF NO		TEJA OBRADOVIĆA 6	STHURKAX MAL		
N Des Co		Study F	Study Programme Accreditation					
.01	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	HO		
Rep	presentative r	efferences (minimum 5, not more th	an 10)					
4.		I., Budinski-Petković Lj., Vrhovac S nsional lattice, Journal of Statistical				erse mixtures on		
5.		I., Budinski-Petković Lj., Vrhovac L sical Review E, 2009, Vol. 80, No 2		n, desorption, and	I diffusion of k-mers on a on	e-dimensional		
6.		etković Lj., Vrhovac S., Lončarević I eview E, 2008, Vol. 78, No 061603,		al adsorption of p	oolydisperse mixtures on dis	crete substrates,		
7.		I., Budinski-Petković Lj., Vrhovac S e European Physical Journal E, 200			al adsorption of mixtures or	n a triangular		
8.		I., Budinski-Petković Lj., Vrhovac S eview E, 2007, Vol. 76, No 031104,		sequential adsorp	ption of mixtures on a triang	ular lattice,		
9.		D., Vrhovac S., Jakšić Z., Budinski-F ping, Physical Review E, 2006, Vol.		Simulation study o	of granular compaction dyna	mics under		
10.		i-Petković and S. B. Vrhovac: Memo quential adsorption model, The Euro						
Sur	mmary data fo	or teacher's scientific or art and profe	essional activity:					
Quot	ation total :		75					
Tota	of SCI(SSCI) list papers :	30					
Curre	ent projects :		Domestic :	1	International :	1		





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nom	o and laat n				Čanka Li Dav			
						Čapko Lj. Darko Assistant Professor		
		itution	where the to	acher works full time and	Faculty of Technical Sciences - Novi Sad			
	ng date:				25.01.1999			
	Scientific or art field: Auto					Automatic Control and System Engineering		
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
PhD	thesis		2012	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Magi	ster thesis		2002	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Bach	elor's thesis	5	1998	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
List o	f 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	
						Academic		
						Academic		
1.	E232	Syster	n Modeling	and Simulation		Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
		-				Undergrad	asurement and Control Engineering, uate Academic Studies	
						Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
2.	H213	Syster	n Modelling	and Simulation 1		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						, ,	chatronics, Undergraduate Academic Studies	
3.	BMI124	Syster	n Modeling	and Simulation		Studies	medical Engineering, Undergraduate Academic	
4.	E2312	Softwa	are design f	or SCADA systems		Academic		
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
5.	ESI013	Multi-t	ier applicati	ons development in powe	r systems	(ES0) Power Software Engineering, Undergraduate Academic Studies		
6.	ESI020	Data s	tructures ar	nd algorithms in power sys	stems	(ES0) Power Software Engineering, Undergraduate Academic Studies		
7.	SEAU02	SCAD	A Software				tware Engineering and Information Technologies, uate Academic Studies	
8.	SEAU09	Softwo	are design o	of SCADA systems			tware Engineering and Information Technologies, uate Academic Studies	
0.	027009		are design t	50000 systems		(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
9.	AU502	Distrib	uted Contro	ol Systems		(MR0) Me Academic	asurement and Control Engineering, Master Studies	
						(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
10.	BMIM3D	3D Development of integrated biomedical systems			ems	(BM0) Bio	medical Engineering, Master Academic Studies	
11.	E2533	Discre	te event sin	nulation		(E20) Con Academic	nputing and Control Engineering, Master Studies	
12.	E2535			ms in Supervisory Control	and Data	(E20) Con Academic	nputing and Control Engineering, Master Studies	
12.	2000	Acquis	sition Syster	ns	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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a of courses def	na nela ov ine ie	-acher in me a	accreoneo siuo	v programmes

List o	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study program	me name, study type		
13.	ESI024	Applied algorithms in power systems	\$	(ES0) Power So Studies	oftware Engineering, Master	r Academic	
14.	ESI034	Multi-tier applications development i	n Smart Grids	(ES0) Power So Studies	oftware Engineering, Master	r Academic	
15.	SEAM06	Integration of Distributed Control Sys	stems	(SE0) Software Master Academi	Engineering and Information c Studies	on Technologies,	
16.	DAU006	Selected Chapters in Modeling and Dynamic Systems	Simulation of	(E20) Computin Academic Studie	g and Control Engineering, es	Doctoral	
17.	DAU018	Selected Chapters in Distributed Co	ntrol Systems	(E20) Computin Academic Studie	g and Control Engineering, es	Doctoral	
18.	ZRD25A	Selected chapters from Artificial Inge	eligence	(Z01) Safety at	Work, Doctoral Academic S	Studies	
Rep	resentative	refferences (minimum 5, not more th	ian 10)				
1.		ić S., Erdeljan A., Čapko D., Lendak I rchical neural network", International 5-6891					
2.		ić S., Erdeljan A., Lendak I., Čapko D strial Research, Vol. 2010, No. 12, pp			art Metering systems", Jour	rnal of Scientific	
3.		, Erdeljan A., Vukmirović S., Lendak I nent Systems", Information technolog				tribution	
4.		, Erdeljan A., Popović M., Švenda G., , Advances in Electrical and Comput				gement	
5.		Vukmirović S., Erdeljan A., Lendak I. Scheduling ", Information technology				t System	
6.		ić S., Erdeljan A., Čapko D., Lendak I engineering, Vol. 107, No. 1, pp. 59-6			n Model with Virtual Meter"	, Electronics and	
7.		, Erdeljan A., Švenda G., Popović M., , Electronics and electrical engineerin				igement	
8.	Vukmirov Networks	ić S., Erdeljan A., Lendak I., Čapko D ", Journal of Applied Research and To	., "Optimal Workflow S echnology, Vol. 10, No	Scheduling in Criti 5. 2, pp. 114-121,	cal Infrastructure Systems 2012., ISSN 1665-6423	with Neural	
9.	Vukmirovic Stdian: Erdelian Aleksandar: Londak Imro: Canke, Darke: Unifying the Common Information Model (CIM) PEV/LE						
10.	Velimir Congradac, Marta Prica, Martia Pasnali, Dubravka Bojanic, Darko Canko, Algorithm for blinds control based on the						
Sun	nmary data	for teacher's scientific or art and profe	essional activity:				
Quota	ation total :		0				
Total	of SCI(SSC	CI) list papers :	10				
Curre	ent projects	·	Domestic :	1	International :	0	





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Čongradac D. Velimir			
Academic title:					Assistant Professor			
					Faculty of Technical Sciences - Novi Sad			
	ng date:				15.06.1998			
Scier	ntific or art f	ield:			Automatic Co	ntrol and Sy	vstem Engineering	
Acad	emic cariee	er	Year	Institution	Field			
Acad	emic title el	lection:	2009	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
PhD	thesis		2009	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Magi	ster thesis		2000	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 c	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	
1.	AU43	Funda	mentals of	Biomedical Engineering		Studies	medical Engineering, Undergraduate Academic nputing and Control Engineering, Undergraduate Studies	
2.	AU50	Proces	ss Control b	by Computer		Academic	nputing and Control Engineering, Undergraduate Studies asurement and Control Engineering,	
						Undergrad	uate Academic Studies	
3.	GI005	Intellig	ent Control	Systems		Studies	desy and Geomatics, Undergraduate Academic	
4.	Z410A	Geosp	atial techno	blogies and systems		(Z20) Environmental Engineering, Undergraduate Academic Studies		
5.	Z410	Geoinf engles		tehnologije i sistemi(uneti	naziv na	(Z20) Environmental Engineering, Undergraduate Academic Studies		
6.	BMI112	Biome	dical engine	eering in sport physiology		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
7.	BMI113	Neuro	engineering	I		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
8.	BMI120	Equipr disable		vstems 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) Bio Studies	medical Engineering, Undergraduate Academic	
11.	E2311	Autom	ation in sm	art office-residential buildi	ngs	(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
12.	EMSAU 1	Autom	atic Contro	Systems in Electronics			er, Electronic and Telecommunication g, Undergraduate Academic Studies	
13.	SEAU01	Nonlin	ear prograr	nming and evolutionary co	omputations		tware Engineering and Information Technologies, uate Academic Studies	
14.	SEAU03	Real-ti	me control	algorithms			tware Engineering and Information Technologies, uate Academic Studies	
15.	SEAU04	Softwa	are of BMS			Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
16.	SEAU06	Softwa	are of Proce	ess Computers		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
		-				Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
17.	ZC037	Automation applied in the industry and build			lings	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
18.	AU514	Totally Integrated Automatic Control Syster			ns	(E20) Computing and Control Engineering, Master Academic Studies		
19.	S054	Compu	uter Modelli	ng and Simulation		(S01) Pos Academic	tal Traffic and Telecommunications, Master Studies	

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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

LISCO	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study programme name, study type			
20.	SEAM01	Intelligent Control Systems		(SE0) Software Master Academi	Engineering and Informatio	on Technologies,	
21.	SEAM02	Adaptive and advanced control		(SE0) Software Master Academi	Engineering and Informatio	on Technologies,	
22.	SEAM03	Software Algorithms in Supervisory Acquisition Systems	Control and Data	(SE0) Software Master Academi	Engineering and Informatio	on Technologies,	
23.	SEAM05	Dynamic Programming, combinatoria optimization	al and network	(SE0) Software Master Academi	Engineering and Informatio	on Technologies,	
24.	DAU017	Selected Topics from Totally Integra Control Systems	ted Automatic	(E20) Computin Academic Studie	ig and Control Engineering, es	Doctoral	
25.	DAU018	Selected Chapters in Distributed Co	ntrol Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.		ac V., Kulić F.: Recognition of the imp , Energy and Buildings, 2012, Vol. 47			ks and genetic algorithms to	o optimize chiller	
2.		ac V., Jorgovanović N., Stanišić D.: A , 2012, Vol. 48, pp. 146-154, ISSN 03		onsumption for h	eating and cooling in hospit	als, Energy and	
3.		ac V., Bojanić D., Čapko D.: Algorithn and fuzzy logic, Solar Energy, 2012,				g a genetic	
4.		ac V., Kulić F.: HVAC system optimiza , 2009, ISSN 0378-7788	ation with CO2 concer	ntration control us	ing genetic algorithms, Ene	rgy and	
5.		ac V.: Control of the lighting system u 36, UDK: 621	sing a genetic algorith	m, Thermal Scier	nce, 2012, Vol. 16, No 1, pp	. 237-250, ISSN	
6.	6. Čongradac V.: Business process management in sustainable property/asset management by using the totalobserver, Thermal Science, 2012, Vol. 16, No 1, pp. 269-279, ISSN 0354-9836, UDK: 621						
Sun	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		0				
Total	of SCI(SSC	CI) list papers :	6				
Curre	ent projects	:	Domestic :	1	International :	0	





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Dejanović R.						laor		
					Assistant Pro	•		
		itution	where the to	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
	ng date:				16.10.2000			
Scier	ntific or art f	ield:			Applied Comp	outer Sciend	e and Informatics	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2012				Applied Computer Science and Informatics	
PhD	thesis		2012	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science	
Magi	ster thesis		2008	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science	
	elor's thesis	-	2000	Faculty of Technical Sci			Applied Computer Science and Informatics	
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	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E235	Funda Engine		Information Systems and	Software	(F10) Eng Studies	ineering Animation, Undergraduate Academic	
							asurement and Control Engineering, uate Academic Studies	
2.	E2840	Softwa	aro Dottorno	and Components		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	E2S40	SOILWA	are Patterns	s and Components		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
3.	ISIT08	Object oriented programming fundamentals			;	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
4.	ISIT26	Upravljanje projektima					vare and Information Technologies (Inđija), uate Professional Studies	
5.	ISIT27	Osnov	ve softversk	ih arhitektura		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
6.	ISIT36	Softwa	are Develop	oment Tools		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
7.	ISIT3A	Metod	ologije i sis	temi za upravljanje IT resu	ursima		vare and Information Technologies (Inđija), uate Professional Studies	
8.	ISIT48	Tehno	logije i siste	emi za podršku korisnicima	a		vare and Information Technologies (Inđija), uate Professional Studies	
9.	SES202	Model	Driven Sof	tware Development		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
5.	020202	would	Diven our	tware bevelopment			tware Engineering and Information Technologies - ndergraduate Academic Studies	
10.	SES204	Advan	red Progra	mming Tecnics			tware Engineering and Information Technologies, uate Academic Studies	
10.	0204	, uvan	locu i iogia				tware Engineering and Information Technologies - ndergraduate Academic Studies	
11.	SES40	Softwa	are natterns	and components			tware Engineering and Information Technologies, uate Academic Studies	
	02040	Contwo	a o pottorno				tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
			r.			(F20) Engineering Animation, Master Academic Studies		
12.	E2510	Softwa	are Configu	ration Management			tware Engineering and Information Technologies, ademic Studies	
							er, Electronic and Telecommunication g, Master Academic Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List c	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study program	me name, study type		
				(E20) Computin Academic Studie	omputing and Control Engineering, Master ic Studies		
				(MR0) Measure Academic Studie	ment and Control Engineeri	ng, Master	
13.	E2519	Domain-Specific Languages		(PM0) Productio	on Engineering, Master Aca	demic Studies	
				(SE0) Software Master Academi	Engineering and Information c Studies	n Technologies,	
					ectronic and Telecommunica ster Academic Studies	ation	
14.	DRNI12	Selected Topics in Contemporary So Methods	oftware Development	(E20) Computin Academic Studie	g and Control Engineering, es	Doctoral	
		Methods		(F20) Engineeri	ng Animation, Doctoral Acad	demic Studies	
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.	1. Gordana Milosavljević, Igor Dejanović, Branko Perišić: Brz razvoj adaptivnih poslovnih informacionih sistema, Yu Info, Kopaonik: 11-14 mart, 2007						
2.	*****Deja pages	nović I., Perišić B., Milosavljević G.: I	mplementacija XText	DSL-a uz oslonac	na arpeggio parser, YU Info	o 2011 (CD), 6	
3.		ć I., Tumbas Živanov M., Milosavljević Language, 14. Advances in Database					
4.	Milosavlje 14. Adva	ević G., Dejanović I., Perišić B., Milosa nces in Databases and Information Sy	avljević B.: UML Prof vstems, Novi Sad, 20-2	ile for Specifying 24 Septembar, 20	User Interfaces of Business 10, pp. 77-94	Applications,	
5.	Symposi	savljević G., Dejanović I., Perišić B.: F um@MODELS 2011: Software Modeli g.de/documents/olnse-2-2011-EduSyr	ng in Education, page				
6.	Dejanovi	ć I., Perišić B., Milosavljević G.: Arpe	ggio: pakrat parser inte	erpreter, 16. YU II	NFO, Kopaonik, 1-8 Mart, 20	010	
7.		ć I., Milosavljević G., Tumbas Živanov , 15. YU INFO, Kopaonik, 1-8 Mart, 2		na savremenih te	hnika razvoja softvera u izra	idi studentskih	
8.		ć I., Milosavljević G., Perišić B.: Upor ., 1-8 Mart, 2005	edni prikaz dva popula	arna MDSD/MDA	alata otvorenog koda ,13. `	YU INFO,	
9.	Parišić B. Milosavljević C. Dejanović I. Milosavljević B. LIMI. Profile for Specifying Liser Interfaces of Business Applications						
10.	Dojanović L. Milocovljavić C. Tumbas Živanov M. Poričić R. A Domaja Specific Language for Dofining Static Structure of						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
	ation total :		0				
		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

Computing and Control Engineering

	e and last n	ame:			Doroslovački D. Rade				
	lemic title:				Full Professor Faculty of Technical Sciences - Novi Sad				
	e of the insi	titution v	vhere the te	eacher works full time and	,	01.10.1978			
	ntific or art f	ield:			Mathematics				
	lemic carie		Year	Institution	Mathematics		Field		
	lemic title e		2000	Faculty of Technical Sci	onoon Novi S	od	Mathematics		
	thesis	lection.	1989	Faculty of Sciences - No		au	Mathematical Sciences		
	ster thesis		1989	Faculty of Sciences - No			Mathematical Sciences		
	elor's thesis	<u> </u>	1984	Faculty of Sciences - No			Mathematical Sciences		
				acher in the accredited stu			Mathematical Sciences		
LISU									
	ID	Course	e name				gramme name, study type		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	E213	Discre	te Mathema	atics and Linear Algebra		Undergrad	asurement and Control Engineering, uate Academic Studies		
						Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
2.	E101	Discre	te Mathema	atics		Academic			
3.	E101A	Discre	te Mathema	atics			ver, Electronic and Telecommunication g, Undergraduate Academic Studies		
	114500	Disers	ta Mathana	- 41		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
4.	IM1523	Discre	te Mathema	AUCS		(I20) Engineering Management, Undergraduate Academic Studies			
5.	IM1706	Actuer	ial Mathem	atics		(I20) Engin Studies	(I20) Engineering Management, Undergraduate Academic Studies		
6.	SE0009	Discre	te Mathema	atics			tware Engineering and Information Technologies, uate Academic Studies		
0.	320003	DISCIE					tware Engineering and Information Technologies - ndergraduate Academic Studies		
7.	0M503	Combi	natorics an	d Graph Theory		(OM1) Mathematics in Engineering, Master Academic Studies			
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	natorics an	d Graph Theory		Studies	thematics in Engineering, Master Academic		
11.	0ML509	Applai	d Abstract A	Algebra		Studies	thematics in Engineering, Master Academic		
12.	0ML511	Geom	etry			Studies	thematics in Engineering, Master Academic		
							ver, Electronic and Telecommunication g, Specialised Academic Studies		
						(112) Industrial Engineering, Specialised Academic Studies			
13.	DZ01MS	Select	ed Chapter	s in Mathematics		(I22) Engii Studies	neering Management, Specialised Academic		
						(Z00) Environmental Engineering, Specialised Academic Studies			
14.	OM519	Actuerial Mathematics				(OM1) Mathematics in Engineering, Master Academic Studies			
15.	OML519	Actuer	ial Mathem	atics		(OM1) Ma Studies	thematics in Engineering, Master Academic		

HAS STUD ORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

List o	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study program	me name, study type		
16.	D0M08	Applied Abstract Algebra		(OM1) Mathematics in Engineering, Doctoral Academic Studies			
17.	D0M17	Combinatorics		(OM1) Mathematics in Engineering, Doctoral Academic Studies			
18.	D0M20	Graph Theory		(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic	
19.	D0M34	Actuarial Mathematics		(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic	
20.	DOM31	Combinatorial Matrix Theory		(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic	
					ectronic and Telecommunic ctoral Academic Studies	ation	
				(E20) Computin Academic Studie	g and Control Engineering, es	Doctoral	
				(F00) Graphic E Studies	ngineering and Design, Doo	toral Academic	
				(F20) Engineeri	ng Animation, Doctoral Acad	demic Studies	
		Selected Chapters in Mathematics		(G00) Civil Engi	neering, Doctoral Academic	Studies	
				(GI0) Geodesy a	and Geomatics, Doctoral Ac	ademic Studies	
21.	DZ01M			(H00) Mechatro	nics, Doctoral Academic Stu	ıdies	
21.	DZUTW	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 En	gineering, Doctoral Academ	ic Studies	
				(Z00) Environmental Engineering, Doctoral Academic Studies			
				(Z01) Safety at	Work, Doctoral Academic St	tudies	
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.	R. Doros	lovački, R. Tošić and I. Stojmenović: (Generating and countir	ng triangular syste	em, BIT: 27(1987) 18-24, Ko	obenhavn, R 54	
2.		lovački , R . Tošić i J. Gutman: Topol atical chemistry (19) (219-228) Max- P				e, Match in	
3.	Rade Do	roslovački: Binary Sequences without	0110, Matematički v	esnik, Mathemati	cal 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	3/02) Novi Sad, Journal of M	Aathematics.	
6.	R. Doros	lovački, J. Pantović, G. Vojvodić: Clas plement, Matematički vesnik,, Mather	sification of Maps by t	heir Membership	in Maximal Clones that cont		
7.	Rade Do	roslovački, Jovanka Pantović and Gra atical Journal, 55 (130),2005, 719-72	dimir Vojvodić: One In			zechoslovaka	
8.	O. Bodro	ža-Pantić, R. Doroslovački, K. Doroslo N OF A REGION INTO TWO," in Rock	ovački, AN ELEMENT			G THE	
9.		ža-Pantić, R. Doroslovački, The Gutm o.2, Februar 2004, R 51.	an formulas for algebr	aic structure cour	nt, Journal of Mathematical (Chemistrz	
10.	10. Ratko Tošić, Gradimir Vojvodić, Dragan Mašulović, Rade Doroslovački, Jovanka Rosić: Two examples of relative completeness, Multiple Valued Logic, An International Journal (Journal of Multiple-Valued Logic and Soft Computing), (1996), Vol. 2, pp. 67-78.						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
	ation total :		60				
Tota	of SCI(SS	CI) list papers :	5				
Curre	ent projects	:	Domestic :	0	International :	0	





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Đuri					Đurić M. Nikola			
	emic title:				Assistant Professor			
	Name of the institution where the teacher works full time and							
	ng date:				01.10.1997			
Scientific or art field:					Theoretical Electrotechnics			
Acad	emic cariee	er	Year	Institution	Field			
Acad	emic title el	ection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	Theoretical Electrotechnics	
	thesis		2009	Faculty of Technical Sci			Electrical and Computer Engineering	
	ster thesis		2003	Faculty of Technical Sci			Electrical and Computer Engineering	
	elor's thesis	5	1997	Faculty of Technical Sci			Electrical and Computer Engineering	
List c	f courses b	eing he	ld by the tea	acher in the accredited stu				
	ID		e name				gramme name, study type	
1.	E216	Funda	mentals of	Electrical Engineering		Académic	ver Software Engineering, Undergraduate	
2.	EE300	Electro	omagnetics				er, Electronic and Telecommunication g, Undergraduate Academic Studies	
3.	H104	Funda	mentals of	Electrical Engineering 1		(H00) Med	chatronics, Undergraduate Academic Studies	
4.	H108	Funda	mentals of	Electrical Engineering 2		(H00) Med	chatronics, Undergraduate Academic Studies	
						Undergrad	chanization and Construction Engineering, uate Academic Studies	
			Académic Studies		ergy and Process Engineering, Undergraduate Studies chnical Mechanics and Technical Design,			
5.	M112	Electrical Engineering and Electric Machines			s	Undergrad	uate Academic Studies duction Engineering, Undergraduate Academic	
						Studies (S00) Traffic and Transport Engineering, Undergraduate		
			Academic Studies (S01) Postal Traffic and Telecommunications,		Studies			
						Undergrad	ver, Electronic and Telecommunication	
6.	E105	Funda	mentals of	Electrical Engineering 1		Engineerin	g, Undergraduate Academic Studies	
						Undergrad	asurement and Control Engineering, uate Academic Studies	
7.	E110	Funda	mentals of	Electrical Engineering 2		Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
				5 · ·····9 -		Undergrad	asurement and Control Engineering, uate Academic Studies	
8.	BMI94	Funda	mentals of	Electrical Engineering		Studies	medical Engineering, Undergraduate Academic	
9.	DE416S	Investi	gation of el	ectromagnetic fields		Èngineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
10.	DE517S	Techn	ology of ma	gnetic and optical data sto	orage	Èngineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
11.	EE543	Electro	Magnetic	Energy		· · ·	er, Electronic and Telecommunication g, Master Academic Studies	
12.	E1IEP	Inverti	gation of el	ectromagnetic fields		(MR0) Me Academic	asurement and Control Engineering, Master Studies	
12.		investi	gation of el				er, Electronic and Telecommunication g, Master Academic Studies	
13.	H799	Fieldb	uses and pr	otocols		(H00) Mec	chatronics, Master Academic Studies	
14.	H845	Motion	control			l` ´	chatronics, Master Academic Studies strial Engineering, Master Academic Studies	
15.	DE416	Investigation of electromagnetic fields				(E10) Pow	ver, Electronic and Telecommunication g, Doctoral Academic Studies	

HISTAS STUDIO		FACULTY OF TECHNICAL SC	UNIVERSITY OF NO		EJA OBRADOVIĆA 6	STUNKNX MAL	
N DE SCA			Programme A			Torres and	
"Ot	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	HOD HOD	
List c	of courses b	eing held by the teacher in the accre	dited study programme	es			
	ID	Course name		Study program	me name, study type		
16.	DE517	Technology of magnetic and optica	data storage		lectronic and Telecommuni ctoral Academic Studies	ication	
Rep	oresentative	e refferences (minimum 5, not more t	nan 10)				
1.		Despotović M. : Application of MTR : Proceedings in Engineering Science				s, Sadhana -	
2.		Nađ L., Damnjanović M., Đurić N., Ži nal, 2011, Vol. 28, No 1, pp. 41-49, I		blication of planar-	type meander sensors, Mi	croelectronics	
3.		Kavecan N.: Internet Portal of the SE aces in Future Internet - AFIN, Rim, 1					
4.		Kavečan N., Kljajić D.: The EM Field um on Intelligent systems and Inform					
5.		Šenk V.: The MAP Implementation i um - EMS, Malta, 14-16 Novembar, 2				pean Modeling	
6.		Prša M., Kasaš-Lažetić K.: Informati ing Sciences - IJES, 2011, Vol. 1, No			etic Fields Monitoring, Inter	rnational Journal	
7.	Vukobrat electroma 410-1	ović B., Đurić N.: Monitoring of EMF agnetics and bioeffects of electromag	with SEMONT system, Inetic fields – CEMBEF	6. International F , Novi Sad, 28-30	hD Seminar on Computati Jun, 2012, pp. 63-66, ISB	onal N 978-86-7892-	
8.		 Durić N., Herceg D.: Serbian Laws International Conference on App 					
9.	 Durić N., Prša M., Kasaš-Lažetić K., Bajović V.: Serbian Remote Monitoring System for Electromagnetic Environmental Pollution, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 701-704, ISBN 978-1-4577-2016-1 						
10.	Đurić N., Šenk V., Vasić B.: MAP Decoding of MTR Codes in Multiple-Head Magnetic Recording Systems, 10. International						
Sur	nmary data	for teacher's scientific or art and pro	fessional activity:				
	ation total :		0				
		CI) list papers :	2	1.		1.	
Curre	ent projects	:	Domestic :	3	International :	2	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Erdeljan M. Aleksandar				
Academic title:			Associate Professor						
Name of the institution where the teacher works full time and									
starting date:			24.07.1989						
Scier	ntific or art f	ield:	-		Automatic Co	ntrol and Sy	stem Engineering		
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	ection:	2011				Automatic Control and System Engineering		
PhD	thesis		2000	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering		
Magi	ster thesis		1993	School of Electrical Engi	ineering - Beog	ırad	Automatic Control and System Engineering		
Bach	elor's thesis	S	1989	Faculty of Technical Science	ences - Novi Sa	ad	Automatic Control and System Engineering		
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	gramme name, study type		
1.	E126	Syster	n Control, N	Nodeling and Simulation		· · ·	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.	E232	Svotor	n Madalina	and Simulation		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
2.	E232	E232 System Modeling and Simulation		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies					
							tware Engineering and Information Technologies, uate Academic Studies		
							tware Engineering and Information Technologies - ndergraduate Academic Studies		
3.	GI303A	Distrib	uted Syster	ns in Geomatics		(GI0) Geo Studies	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
4.	H213	Syster	n Modelling	and Simulation 1		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
						(H00) Mec	chatronics, Undergraduate Academic Studies		
5.	BMI124	Syster	n Modeling	and Simulation		(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
6.	E2312	Softwar	are design f	or SCADA systems		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
0.	L2012	GOILWA	a c deolyn i	or oundry systems			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.	ESI010	Rasion	of control i	n nower systems		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
0.	201010	003103	Basics of control in power systems				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				tware Engineering and Information Technologies, uate Academic Studies		
11.	SEAU09	Softwa	are design o	of SCADA systems			tware Engineering and Information Technologies, uate Academic Studies		
	007009	COILWA	a c design (o onda systems			tware Engineering and Information Technologies - ndergraduate Academic Studies		
12.	SEI002	Archite	ecture of Di	stributed Systems in Powe	er Systems	(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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					
13.	13. AU502	D2 Distributed Control Systems	(MR0) Measurement and Control Engineering, Master Academic Studies					
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies					
14.	H301	System Modeling and Symulation	(H00) Mechatronics, Master Academic Studies					
15.	S054	Computer Modelling and Simulation	(S01) Postal Traffic and Telecommunications, Master Academic Studies					
16.	BMIM3D	Development of integrated biomedical systems	(BM0) Biomedical Engineering, Master Academic Studies					
17.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies					

17.	E2002	Academic Studies					
18.	E2533	Discrete event simulation		(E20) Computing and Control Engineering, Master Academic Studies			
19.	E2535	Software Algorithms in Supervisory	Control and Data	(E20) Computing and Control Engineering, Master Academic Studies			
10.	L2000	Acquisition Systems		(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
20.	ESI030	Distributed Software Architectures for Grids	or Smart Energy	(ES0) Power Software Engineering, Master Academic Studies			
21.	SEAM06	Integration of Distributed Control Sy	stems	(SE0) Software Engineering and Information Technologies, Master Academic Studies			
22.	DAU006	Selected Chapters in Modeling and Dynamic Systems	Simulation of	(E20) Computing and Control Engineering, Doctoral Academic Studies			
23.	DAU018	Selected Chapters in Distributed Co	ntrol Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies			
24.	ZRD25A	Selected chapters from Artificial Inge	eligence	(Z01) Safety at Work, Doctoral Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.	Lendak I., Erdeljan A., Popović D.: Algorithm for cataloguing topologies in the Common Information Model (CIM), Computers Math. Appl. 61, No. 3, 715-721 (2011). ISSN 0898-1221						
2.	Vukmirović S., Erdeljan A., Čapko D., Lendak I., Nedić N.: Optimization of workflow scheduling in Utility Management System with						
3.		., Erdeljan A., Švenda G., Popović M.: Electronics and electrical engineering		ing of Large Data Model in Distribution Management b. 83-88, ISSN 1392-1215			
4.		ıkmirović S., Erdeljan A., Kulić F.: Hy 2012, Vol. 16, No S, pp. 215-224, ISS		etwork System for Short-Term Load Forecasting, Thermal			
5.		/ić S., Erdeljan A., Čapko D., Lendak ∣ engineering, 2011, Vol. 107, No 1, pr		ommon Information Model with Virtual Meter, Electronics and 215			
6.				rtitioning of Large Datasets in Utility Management Systems, Vol. 11, No 4, pp. 41-46, ISSN 1582-7445			
7.	Čapko D., Erdeljan A., Vukmirović S., Lendak I.: A HYBRID GENETIC ALGORITHM FOR PARTITIONING OF DATA MODEL IN						
8.				c Algorithm Approach for Utility Management System . 39, No 4, pp. 310-316, ISSN 1392-124X			
9.	9. 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						
10.	0. Čapko D., Erdeljan A., Popović M., Švenda G.: An Optimal Relationship-Based Partitioning of Large Datasets, LNCS, Springer Verlag, 2010, str. 555-558, ISBN 978-3-642-15575-8						
Sur	Summary data for teacher's scientific or art and professional activity:						
	ation total :		1				
Toto							





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Gak M. Dragana			
	Academic title:			Lecturer				
Nam	e of the inst	titution v	vhere the te	acher works full time and				
starti	starting date:			16.09.2009				
Scier	ntific or art f	ield:			English			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	lection:	2008	Faculty of Entrepreneuri Sad		t - Novi	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 c	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	
1.	AEJ1L	Englisi	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	
						· · ·	chanization and Construction Engineering, uate Academic Studies	
						Académic		
5.	EJ01L	Englisi	h Language	e – Elementary			nical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
						(S00) Traffic and Transport Engineering, Undergraduat Academic Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
							ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies	
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
6.	EJ01Z	Englis	h Language	e - Elementary		. ,	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
							aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
							ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies	
							chanization and Construction Engineering, uate Academic Studies	
7.	EJ02L	Englisł	h Language	e – Pre-Intermediate		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
							ety at Work, Undergraduate Academic Studies	
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
							aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Environmental Engineering, Undergraduate Acaden Studies		

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type			
			(I10) Industrial Engineering, Undergraduate Academic Studies			
8.	EJ02Z	English Language – Pre-Intermediate	(I20) Engineering Management, Undergraduate Academic Studies			
0.	EJUZZ	English Language – Fre-Internetiate	(S00) Traffic and Transport Engineering, Undergraduate			

8.	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
		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
	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
11.			(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
		2L English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies
	EJ2L		(F10) Engineering Animation, Undergraduate Academic Studies
12.			(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



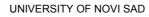
FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	List 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, 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.	EJM	English Language – ESP Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies				
			(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				



Study Programme Accreditation



UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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List c	ist 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	(I10) Industrial Engineering, Undergraduate Academic Studies				
			(I20) 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				
			(ES0) Power Software Engineering, Undergraduate Academic Studies				
	EJ2Z		(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	presentative	e refferences (minimum 5, not more than 10)					
1.	Gak Drag	gana, Lorejn Hansberi i (afro) američka porodica, Zadužbina	a Andrejević, Beograd, 2012				
2.	Gak Dragana, Bulatović Vesna, Bogdanović Vesna, Poređenje nastave engleskog jezika na privatnom i državnom fakultetu, Zbornik radova sa međunarodne konferencije Jezik struke: Teorija i 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.		vić Vesna, Gak Dragana, Univerzalana simbolika na primer lecembar , Pančevo, 2010	u afro-američke zajednice u drami Lorejn Hansberi, Sveske,				
5.		Gak Dragana, Borković Bojana, Needs Analysis: A Basis of a Successful Business English Course, Zbornik radova sa međunarodne konferencije Jezik struke: Izazovi i perspektive, Univerzitet u Beogradu, str. 880-885, Beograd, 2011.					
6.		Vesna, Gak Dragana, Speaking Skills: Advantages and Pre a međunarodne konferencije Jezik struke: Izazovi i perspek	oblems Involved When Teaching Business English, Zbornik tive, Univerzitet u Beogradu, str. 235-240, Beograd, 2011.				
7.	Gak Drag Novi Sad		cess, Metodički vidici, Filozofski fakultet Novi Sad, str.78-82,				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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.	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.						
Su	Summary data for teacher's scientific or art and professional activity:						
Quotation total :							
Total of SCI(SSCI) list papers :							
Curr	ent projects :	Domestic :		International :			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Gostojić L. Stevan									
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and									
starting date:					01.04.2007				
	Scientific or art field:					Applied Computer Science and Informatics			
Academic carieer Year Institution					Field		Field		
Acad	emic title el	lection:	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		
Mast	er's thesis		2006	Faculty of Technical Sci	ences - Novi Sa	nces - Novi Sad Applied Computer Science and Informatics			
List o	f courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S			
	ID Course name				Study pro	gramme name, study type			
						Academic (MR0) Me	asurement and Control Engineering,		
1.	E2E40	XML and WEB Services				(SE0) Sof	uate Academic Studies tware Engineering and Information Technologies, uate Academic Studies		
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
2.	RI41	Interne	et Software	Architectures		Academic			
3.	SEI41	Internet Software Architectures			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
	5LIHT					(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
4.	ISIT12	Osnove informacionih sistema				(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
5.	ISIT27	Osnove softverskih arhitektura				Undergrad	Software and Information Technologies (Inđija), ergraduate Professional Studies		
6.	6. SES102 NoSQL Data Bases		Undergraduate Academic Studies						
						(SEL) Software Engineering and Information Technolog Loznica, Undergraduate Academic Studies			
7.	SES301	IT Law				(SE0) Software Engineering and Information Technologie Undergraduate Academic Studies			
						(SEL) Software Engineering and Information Technolog Loznica, Undergraduate Academic Studies			
8.	E2523	E2523 Social Networks				Academic			
	•					Master Aca	tware Engineering and Information Technologies, ademic Studies		
9.	E2536	Mobile Application Development			(E20) Con Academic	nputing and Control Engineering, Master Studies			
<u> </u>	22000				(SE0) Software Engineering and Information Master Academic Studies				
10.	DRNI10	Select	ed Topics ir	n E-Government		Academic			
11.	DRNI18	Select	ed Topics ir	n Distributed/Mobile comp	uting	(E20) Computing and Control Engineering, Doctoral Academic Studies			
	(F20) Engineering Animation, Doctoral Academic Studies								
Кер			,	num 5, not more than 10)	pating and List-		n Computer Science and Information Sustained		
1.	(ComSIS), 2012, ISSN 1820-0214								
2.	2. Gostojić S., Sladić G., Milosavljević B., Konjović Z.: Context-sensitive Access Control Model for Government Services, Journal of Organizational Computing and Electronic Commerce, 2012, Vol. 22, No 2, pp. 184-213, ISSN 1091-9392								

ALANTAS STUDIORUM			UNIVERSITY OF NO	OVI SAD		UNYKHX Ha.		
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
		Study Programme Accreditation						
		UNDERGRADUATE ACADEMIC	STUDIES	Computi	ng and Control Engineering	HO		
Re	presentative r	efferences (minimum 5, not more th	nan 10)					
3.	Methodolog	, Sladić G., Milosavljević B., Konjov gies, Technologies aand Tools Ena ISBN 978-86-7892-413-2						
4.		, Sladić G., Milosavljević B.: Impor Nociety Technology and Managen			co System, 1. International C	Conference on		
5.	Sladić G., Gostojić S., Milosavljević B., Konjović Z.: Handling Structured Data in the Alfresco System, 1. International Conference on Information Society Technology and Management, Kopaonik, 7-8 Mart, 2011, pp. 78-82							
6.	Gostojić S., Konjović Z., Milosavljević B.: Modeling MetaLex/CEN Compliant Legal Acts, 8. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica,							
7.		., Konjović Z., Milosavljević B., Gos zvorima, 16. YU INFO, Kopaonik, 1		kumente pravne	regulative bazirani na otvore	enim standardima		
8.	Gostojić S.	, Sladić G., Vidaković M.: Arhiviran	ije dokumenata u Alfre	esco sistemu, 1	5. 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 M 2009				paonik, 1-8 Mart,			
10.	Konjović Z., Milosavljević B., Sladić G., Gostojić S.: Sistem za uprvljanje elektronskim dokumentima, 2010							
Su	mmary data fo	or teacher's scientific or art and prot	fessional activity:					
Quo	tation total :		0					
Tota	I of SCI(SSCI) list papers :	2	-	i			
Current projects :			Domestic :	2	International :	0		





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

NI	Name and last name: Govedarica J. Miro							
					Govedarica J Full Professo			
					E 11 (T		nces - Novi Sad	
Name of the institution where the teacher works full time and Faculty of starting date: 22.02.199					,	echnical Sciences - Novi Sad		
						Geomatics	Engineering	
	emic cariee		Year	Institution	Ocoucsy and	esy and Geomatics Engineering Field		
	emic title el	ection:	2012	Faculty of Technical Sci			Geodesy and Geomatics Engineering	
	thesis		2001	Faculty of Technical Sci			Geoinformatics	
-	ster thesis		1998	Faculty of Technical Sci		ad	Applied Computer Science and Informatics	
	elor's thesis		1987	Faculty of Civil Engineer	<u> </u>		Geodesy	
List o	t 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.	AU54	Geoinf	formation S	ystems		Academic (GI0) Geo	nputing and Control Engineering, Undergraduate Studies desy and Geomatics, Undergraduate Academic	
2.	E241	Geosp	atial Techn	ologies			nputing and Control Engineering, Undergraduate	
				-		Academic	Studies phic Engineering and Design, Undergraduate	
3.	F114	Graph	ic applicatio	ons		Academic	Studies	
4.	GI003	Geosp	atial Data I	nfrastructure		Studies	desy and Geomatics, Undergraduate Academic	
5.	GI020	Laser	Scanning of	f Terrain and Objects		(Gl0) Geodesy and Geomatics, Undergraduate Academic Studies		
6.	GI025B	Geodetic Metrology				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
7.	GI211	Geoinformatics				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
8.	GI408A	. Geospatial Databases				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
9.	URZP44		ation of geo gement	pinformation technology ir	n risk	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
10.	Z410A	Geosp	atial techno	ologies and systems		(Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	Z410	Geoinf engles		tehnologije i sistemi(uneti	naziv na	(Z20) Environmental Engineering, Undergraduate Academic Studies		
12.	BM119A		oplication of ns in medici	geoinformation technolog	gies and	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
13.	GG99	Geosp	atial techno	ologies - basics		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate 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	Fundamentals of Remote Sensing and Imag			ge Processing	(SE0) Software Engineering and Information Technology		
17.	ZC028	Geospatial technologies and systems				Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate		
18.				Academic Studies (GI0) Geodesy and Geomatics, Master Academic Studies				
19.	GI502			•		, ,	•	
20.	GI502 GI504				(GI0) Geodesy and Geomatics, Master Academic Studies (GI0) Geodesy and Geomatics, Master Academic Studies			
20.	GI504 GI517		Photogram			. ,	desy and Geomatics, Master Academic Studies	
		-				, ,	· ·	
22.	GI518	Geode	esy in City P	ianing		(GI0) Geodesy and Geomatics, Master Academic Studies		
23.	GIAU05	5 Geoportals and Geoservices				(E20) Con Academic	nputing and Control Engineering, Master Studies	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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

List c	ist of courses being held by the teacher in the accredited study 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.	DG1003	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		e refferences (minimum 5, not more than 10)							
1.			neously Estimate the Radius of a Cylindrical Object and the ces, 2009, Vol. 35, Broj 8, str. 1620-1630, ISSN 0098-3004						
2.	•		ataka", II izdanje, Univerzitet u Novom Sadu, Fakultet tehničkih						
3.	THE ANA JOURNA	ALYSIS OF DATA QUALITY OF TOPOGRAPHIC MAPS, L GEODETSKI VESTNIK	nauka, Novi Sad, 2004, ISBN: 80-80249-81-5, 700 str. Govedarica Miro, Borisov Mirko, THE ANALYSIS OF DATA OLIALITY OF TOPOGRAPHIC MAPS						

4	TAS STU		UNIVERSITY OF NO	VI SAD		NUKNX W.			
NIVE A	NOR CON	FACULTY OF TECHNICAL SCI	STATE -						
0.26		Study F	Contraction						
9	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	HO			
Re	Representative refferences (minimum 5, not more than 10)								
4.	 Miro Govedarica, Dušan Petrovački, Dubravka Sladić, Aleksandra Ristić, Dušan Jovanović, Vladimir Pajić, Milan Vrtunski, Aleksandar Ristic 4. 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 5. Metadata Catalogues in Spatial Information Systems (Review) GEODETSKI LIST, (2010), vol. 64 br. 4, str. 313-334 (IF 2009 0.167)								
6.	Analysis of Geodetski I	edeljković Ostojić, Miro Govedarica, Structure Surveying Method by 3D ist:glasilo Hrvatskoga geodetskog c 2011) (IF 2010 0.038)	Laser Scanners						
7.		oolmasov B., Govedarica M., Petrov I approach, Acta Geotechnica Slove				on using a multi-			
8.		v, Miro Govedarica, Milan Trifkovic, ist : glasilo Hrvatskoga geodetskog			phics Survey Data in Coka	Municipality			
9.		login P, Govedarica M, Ristić S, "Tl nal Sciences (JIOS), Varaždin, Cro				of Information and			
10.	Coundarica M. Miladinović M: Informacioni sistema katastara popekratnosti - Torrasoft Condutska služba 2002. Vol. XXXI. No								
Su	Summary data for teacher's scientific or art and professional activity:								
Quot	tation total :		8						
Tota	I of SCI(SSCI)	list papers :	6						
Curr	ent projects :		Domestic :	5	International :	1			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Acade Name startir Scien Acade Acade PhD t Magis	ng date: titific or art f emic cariee emic title el thesis ster thesis elor's thesis	itution v ield: er ection:	Vhere the tere the tere the tere the tere the tere the tere ter	eacher works full time and Institution Faculty of Technical Scie Faculty of Sciences - No	15.12.1995 Mathematics	fessor	nces - Novi Sad	
Name startin Scien Acade Acade PhD t Magis	e of the inst ng date: tific or art f emic cariee emic title el thesis ster thesis elor's thesis	ield: r ection:	Year 2009 2008 1999	Institution Faculty of Technical Scie	Faculty of Teo 15.12.1995 Mathematics		nces - Novi Sad	
startin Scien Acade Acade PhD t Magis	ng date: titific or art f emic cariee emic title el thesis ster thesis elor's thesis	ield: r ection:	Year 2009 2008 1999	Institution Faculty of Technical Scie	15.12.1995 Mathematics			
Scien Acade Acade PhD t Magis	tific or art f emic caries emic title el thesis ster thesis elor's thesis	er ection:	2009 2008 1999	Faculty of Technical Scie	Mathematics			
Acade PhD t Magis	emic title el thesis ster thesis elor's thesis	ection:	2009 2008 1999	Faculty of Technical Scie	anaaa Navi Si			
PhD t Magis	thesis ster thesis elor's thesis		2008 1999	-	onoon Novi Si		Field	
Magis	ster thesis elor's thesis	6	1999	-		ad	Mathematics	
	elor's thesis	6					Mathematical Sciences	
Bache		6	1002	Faculty of Sciences - No	vi Sad		Mathematical Sciences	
	f courses b		1992	Faculty of Sciences - No	vi Sad		Mathematical Sciences	
List of	1	eing he	d by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E135	Probat	allity Statist	tics and Stochastic Process	2000		asurement and Control Engineering, uate Academic Studies	
1.	E 133	FIUDAL	Jinty, Statis	tics and Stochastic Proces			er, Electronic and Telecommunication g, Undergraduate Academic Studies	
		_	_			(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	E212	Mathe	matical Ana	alysis 1		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
3.	GI303B	Probat	oility and Ma	athematical Statistics		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
4.	Z104	Mathe	matics 1			(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Environmental Engineering, Undergraduate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
5.	Z203	Statisti	cal Method	s		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate Academi Studies		
6.	BMI91	Mathe	matics 1			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
7.	BMI92	Mathe	matics 2			Studies	medical Engineering, Undergraduate Academic	
8.	IA001	Algebr	а			Studies	ineering Animation, Undergraduate Academic	
9.	IA002	Mathe	matical Ana	alysis		Studies	ineering Animation, Undergraduate Academic	
10.	P216	Numer	ical Analys	is		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
11.	S01361	Business decision making				(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
12.	0M505	Stochastic Processes				(OM1) Mathematics in Engineering, Master Academic Studies		
13.	0ML505	Stocha	stic Proces	sses		(OM1) Ma Studies	thematics in Engineering, Master Academic	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

List o	of courses b	eing held by the teacher in the accredited study programme	es		
	ID	Course name	Study programme name, study type		
14.	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 		
15.	ZR503	Statistical Advanced Models	Studies (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		
26.	DOM30	Probability, Statistics and Theory of Engineering Experiment	 (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies 		
27.	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 		

 Representative refferences (minimum 5, not more than 10)

 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

(Z01) Safety at Work, Doctoral Academic Studies



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Re	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. Gruj functions, FSS, doi:10.101016/j.fss.2012.07.01		and Chebyshev in	equalities for pseudo-inte	egrals of set-valued			
5.	Grbić, T., Pap, E., : "Generalization Of Portamr sets", Theory of Probability and its Applications		spect to the pseud	do-weak convergence of	random closed			
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., "Rie Mathe., Vol. 36, No. 2, 111-124	emann-Stieltjes type ir	ntegral based on g	generated pseudo-opera	tions", NS J.			
9.	Nedović, Lj., Grbić, T., "The pseudo-probability	", Journal of Electrical	Engineering, 200	02, Vol. 53, No. 12/s, 27-	30			
10.	0. 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							
Su	mmary data for teacher's scientific or art and profe	essional activity:						
Quot	tation total :	17						
Tota	l of SCI(SSCI) list papers :	6						
Curr	ent projects :	Domestic :	2	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Gvozdena								
		ame:			Gvozdenac D. Dušan Full Professor			
	emic title:							
	e of the inst ng date:	itution v	vhere the te	eacher works full time and	01.06.1973	cnnical Scie	nces - Novi Sad	
	ntific or art f	ield [.]			Thermal Energetics and Thermotechnics			
	emic cariee		Year	Institution		Field		
	emic title el		1993	Faculty of Technical Sci	ences - Novi S	ad	Thermal Energetics and Thermotechnics	
	thesis	colion.	1981	Faculty of Mechanical E			Thermal Energetics and Thermotechnics	
	ster thesis		1978	Faculty of Technical Sci		-	Thermal Energetics and Thermotechnics	
	elor's thesis		1973	Faculty of Technical Sci			Thermal Energetics and Thermotechnics	
				acher in the accredited stu				
2.00		onig no			ady programme			
	ID	Course	e name			Study pro	ogramme name, study type	
1.	EOS38	Energe	etski menac	džment			ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies	
2.	M119	Energy	/ Transform	nations		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
3.	M222A	Energy	/ System E	ngineering		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
	M2244	Dono	vable Energy			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M3311	Renew	able Energ			(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
5.	M3501	Refrigeration Devices				(M30) Energy and Process Engineering, Undergraduate Academic Studies		
6.	Z206	Alternative Power Engineering				(Z20) Environmental Engineering, Undergraduate Academic Studies		
7.	Z206A	Alternative Energy Sources				(Z01) Safe	ety at Work, Undergraduate Academic Studies	
8.	Z206	Alternativna energetika(uneti naziv na engl			eskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
9.	E2313	Funda	mentals of	Process and Energy Engi	neering	 (E20) Computing and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication 		
						Èngineerin	g, Undergraduate Academic Studies	
10.	II1044	Energy	/ flows and	energy efficiency		Studies	strial Engineering, Undergraduate Academic	
11.	M211	Measu	irement and	Regulation		Academic		
				.		Académic		
12.	M3031		ering Calcu atus and Ec	ulations of Energy Techno puipment	ologies	Academic		
13.	M3494	Enera	efficiency			Academic		
			, <u> </u>			Academic		
14.	1939		, ·	upravljanje		1	ergy Management, Master Academic Studies	
15.	IMDS78		ana poglavl na englesko	lja iz energetskog menadž om)	źmenta(uneti	(I22) Engi Studies	neering Management, Specialised Academic	
16.	M3503			ranje termoenergetskih naziv na engleskom)		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
17.	M3M07	Energy	/ storage			(ZC0) Clea Studies	an Energy Technologies, Master Academic	
18.	M5022	Renew	able energ	y sources		(M50) Ene	ergy Management, Master Academic Studies	
19.	SZSP24	Savrer	meni princip	oi energetskog menadžme	enta	(Z00) Environmental Engineering, Specialised Academic Studies		
20.	DM216	Energy Systems				(M00) Mechanical Engineering, Doctoral Academic Studies		
21.	DM217	Energy Management in Idustry				(M00) Me	chanical Engineering, Doctoral Academic Studies	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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

	ID	Course name		Study program	ne name, study type			
22.	DM218	Contemporary Energy Technologies		(M00) Mechanical Engineering, Doctoral Academic Studies				
23.	DM219	9 Energy Politics (M00) Mechanical Engineering, Doctoral Academic Stud						
	D14000			(H00) Mechatro	nics, Doctoral Academic Stu	dies		
24.	DM302	Engineering Experimental Methods		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies		
25.	DM309	Energy Management Methods		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies		
26.	DM332	Energy Management in Buildings		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies		
27.	DM333	Renewable Energy Resoruces		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies		
28.	ZSP24	Modern Principles of Energy Manage	ement	(Z00) Environm Studies	ental Engineering, Doctoral	Academic		
29.	IMDR78	Odabrana poglavlja iz energetskog r naziv na engleskom)	nenadžmenta(uneti	(I20) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
Rep	oresentative	refferences (minimum 5, not more th	an 10)					
1.	Energy Efficiency in Food Processing Industry - East European Experience, edited by D. Gyozdenac, LINDP/LINIDO Project							
2.								
3.	Measurement and regulation (Selected chapters for operators of large power plants). Institute of energy and process engineering							
4.	Measure Serbian).	ment and Regulation in Thermal Engir	neering, Faculty of Teo	chnical Sciences,	Gvozdenac, D, Novi Sad, 20	000. (in		
5.	Bilansirar 2006.	nje energetskih tokova, Pokrajinski ce	ntar za energetku efika	asnost, Gvozdena	ac, D., Marić, M., Petrović, J.	, Novi Sad,		
6.		ac D, Menke C, Vallikul P, Petrovic J, Energy, Volume 34, Issue 4, 2009, p		sment of potential	for natural gas-based coger	neration in		
7.		natical Model for Heat Transfer in Cor E Journal of Engineering for Power, Vo			rs, Gulič, M, Gvozdenac, D,	Transactions of		
8.		oenwattana W, Menke C, Kamolpus E ation Plant in Public Buildings in Thaila				Natural-Gas		
9.	Two-pass Stoffuebe	s counter cross-flow heat exchangers ertragung, Vol. 20, 1986, pp. 151 – 16	with both fluids unmix	ed throughout, Gv	vozdenac, D, Waerme - und			
10.	Analytical Solution of the Transient Response of Gas to Gas Cross flow Heat Exchanger With Both Fluids Linmixed Guozdenac							
Sun	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		71					
Total	of SCI(SSC	CI) list papers :	26					
Curre	ent projects	:	Domestic :	2	International :	1		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Hajduković P. Miroslav								
	e and last n	ane.			Full Professor			
		itution	vhoro tho to	eacher works full time and				
	ng date:				01.07.1993			
	ntific or art f	ield:			Applied Computer Science and Informatics			
	emic cariee		Year	Institution	Field			
	emic title el		1998	Faculty of Technical Scie	ences - Novi Sad		Applied Computer Science and Informatics	
	thesis		1984	Faculty of Electrical Eng			Applied Computer Science and Informatics	
Magister thesis 1980 Faculty of Electrical Eng				,	Applied Computer Science and Informatics			
			Faculty of Electrical Eng		,	Applied Computer Science and Informatics		
List c	of courses b	eing he	ld by the te	acher in the accredited stu				
	ID	Course	e name			Study pro	gramme name, study type	
1.	E217	Compu	uter Archite	cture		Academic (ES0) Pov	ver Software Engineering, Undergraduate	
	F 225	0	ting Custom			Academic (E20) Con Academic	nputing and Control Engineering, Undergraduate	
2.	E225	Opera	ting System	IS		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
						Àcadémic		
3.	E243	Human Computer Interaction				Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
4.	EE301	Operat	ting System	ns and Competitive Progra	mming	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication		
						Èngineerin	g, Undergraduate Academic Studies	
						Academic		
						Academic	ver Software Engineering, Undergraduate Studies ineering Animation, Undergraduate Academic	
5.	RI4A	Compu	uter Graphi	cs		(110) Engineering Animation, Ordergraduate Acad Studies (SE0) Software Engineering and Information Techr		
						Undergrad	uate Academic Studies	
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						Academic		
6.	E2529	Paralle	el and distril	buted architectures		Studies	ver Software Engineering, Master Academic	
						Academic		
						Èngineerin	er, Electronic and Telecommunication g, Master Academic Studies	
7.	DAU014	Select	ed Topics ii	n Computing		Academic		
						Studies	thematics in Engineering, Doctoral Academic	
8.	DRNI18	Selected Topics in Distributed/Mobile computing			uting	(E20) Computing and Control Engineering, Doctoral Academic Studies		
Rer	presentative	reffere	nces (minin	num 5, not more than 10)		(F20) Eng	ineering Animation, Doctoral Academic Studies	
							čkih pouko 1995	
1.	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

UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering								
Representative refferences (minimum 5, not more than 10)								
Hajduković	č M., "Organizacija računara", Pomo	ćni udžbenik, Fakultet	tehničkih nauka,	1996.				
Hajduković M., Suvajdžin Z., "Uvod u međunarodni standard IEC 61131-3", Pomoćni udžbenik, Fakultet tehničkih nauka, 2002.								
Hajduković	ć M., "Operativni sistemi", Osnovni u	džbenik, Fakultet tehni	ičkih nauka, 2004					
Hajduković	ć M., "Arhitektura računara", Osnovn	i udžbenik, Fakultet te	hničkih nauka, 20	04.				
Hajduković M. i ostali, "The active side principle approach to the client server protocol design", YUJOR, vol. 6, no. 1, Belgrade, 1996., 121-127								
. Hajduković M. i ostali, "Uninterruptable and other regions", YUJOR, vol. 8, no. 2, Belgrade, 1998., 323- 329								
Hajduković M. i ostali, "Communication models: an educational framework for parallel programming", YUJOR, vol. 9, no. 1, Belgrade, 1999., 129- 139								
Hajduković 53- 65	ć M. između ostalih, "Character orien	ted program editing –	habit or necessity	/?", NSJOM, vol. 33, no. 1, I	Novi Sad, 2003.,			
Hajduković M. između ostalih, "A problem of program execution time measurement", NSJOM, vol. 33, no. 1, Novi Sad, 2003., 67- 73								
mmary data f	or teacher's scientific or art and profe	essional activity:						
tation total :		11						
I of SCI(SSC) list papers :	3						
Current projects : Domestic : 1 International : 0								
	A ajduković Hajduković Hajduković Hajduković Hajduković Hajduković Hajduković Belgrade, Hajduković 53- 65 Hajduković 73 mmary data fo tation total : I of SCI(SSCI	presentative refferences (minimum 5, not more the Hajduković M., "Organizacija računara", Pomor Hajduković M., Suvajdžin Z., "Uvod u međunar Hajduković M., "Operativni sistemi", Osnovni u Hajduković M., "Arhitektura računara", Osnovni u Hajduković M. i ostali, "The active side principle 1996., 121- 127 Hajduković M. i ostali, "Uninterruptable and othe Hajduković M. i ostali, "Communication models Belgrade, 1999., 129- 139 Hajduković M. između ostalih, "Character orien 53- 65 Hajduković M. između ostalih, "A problem of pr 73 mmary data for teacher's scientific or art and profe- tation total : I of SCI(SSCI) list papers :	presentative refferences (minimum 5, not more than 10) Hajduković M., "Organizacija računara", Pomoćni udžbenik, Fakultet Hajduković M., Suvajdžin Z., "Uvod u međunarodni standard IEC 611 Hajduković M., "Operativni sistemi", Osnovni udžbenik, Fakultet tehni Hajduković M., "Operativni sistemi", Osnovni udžbenik, Fakultet tehni Hajduković M., "Arhitektura računara", Osnovni udžbenik, Fakultet tehni Hajduković M. i ostali, "The active side principle approach to the clier 1996., 121- 127 Hajduković M. i ostali, "Uninterruptable and other regions", YUJOR, v Hajduković M. i ostali, "Communication models: an educational frame Belgrade, 1999., 129- 139 Hajduković M. između ostalih, "Character oriented program editing – 53- 65 Hajduković M. između ostalih, "A problem of program execution time 73 mmary data for teacher's scientific or art and professional activity: tation total : 11 I of SCI(SSCI) list papers : 3	presentative refferences (minimum 5, not more than 10) Hajduković M., "Organizacija računara", Pomoćni udžbenik, Fakultet tehničkih nauka, Hajduković M., Suvajdžin Z., "Uvod u međunarodni standard IEC 61131-3", Pomoćni u Hajduković M., "Operativni sistemi", Osnovni udžbenik, Fakultet tehničkih nauka, 2004 Hajduković M., "Arhitektura računara", Osnovni udžbenik, Fakultet tehničkih nauka, 2004 Hajduković M., "Arhitektura računara", Osnovni udžbenik, Fakultet tehničkih nauka, 2004 Hajduković M. i ostali, "The active side principle approach to the client server protocol 1996., 121- 127 Hajduković M. i ostali, "Uninterruptable and other regions", YUJOR, vol. 8, no. 2, Belgr Hajduković M. i ostali, "Communication models: an educational framework for parallel Belgrade, 1999., 129- 139 Hajduković M. između ostalih, "Character oriented program editing – habit or necessity 53- 65 Hajduković M. između ostalih, "A problem of program execution time measurement", N 73 mmary data for teacher's scientific or art and professional activity: tation total : 11 I of SCI(SSCI) list papers : 3	presentative refferences (minimum 5, not more than 10) Hajduković M., "Organizacija računara", Pomoćni udžbenik, Fakultet tehničkih nauka, 1996. Hajduković M., Suvajdžin Z., "Uvod u međunarodni standard IEC 61131-3", Pomoćni udžbenik, Fakultet tehničkih Hajduković M., "Operativni sistemi", Osnovni udžbenik, Fakultet tehničkih nauka, 2004. Hajduković M., "Arhitektura računara", Osnovni udžbenik, Fakultet tehničkih nauka, 2004. Hajduković M., "Arhitektura računara", Osnovni udžbenik, Fakultet tehničkih nauka, 2004. Hajduković M. i ostali, "The active side principle approach to the client server protocol design", YUJOR, vol. 6, no. 1996., 121-127 Hajduković M. i ostali, "Uninterruptable and other regions", YUJOR, vol. 8, no. 2, Belgrade, 1998., 323-329 Hajduković M. i ostali, "Communication models: an educational framework for parallel programming", YUJOR, vol. Belgrade, 1999., 129-139 Hajduković M. između ostalih, "Character oriented program editing – habit or necessity?", NSJOM, vol. 33, no. 1, Novi 373 mmary data for teacher's scientific or art and professional activity: tation total : 11 Iof SCI(SSCI) list papers : 3			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nam	e and last n	ame:			Ivanović V. D	ć V. Dragan		
	emic title:				Assistant Professor			
		itution v	vhere the te	eacher works full time and			ences - Novi Sad	
	ng date:				01.04.2007			
Scier	ntific or art f	ield:	-		Applied Computer Science and Informatics			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	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	3	2006	Faculty of Technical Sci	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	
						Academic		
1.	E2E40	XML a	ind WEB Se	ervices		(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies	
		XML and WEB Services					tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
2.	GG11	Fundamentals in Computing				(G00) Civi	il Engineering, Undergraduate Academic Studies	
3.	ISIT20	Object-oriented Programming Platforms				(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
4.	ISIT32	Technologies and platforms for digital conte documents management			ents and	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
5.	ISIT41	eGove	ernment tec	hnologies and systems		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
6.	ISIT47	E-leari	ning tools a	nd technologies		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
		Introduction to Programming				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
7.	SE0001					(P00) Production Engineering, Undergraduate Academic Studies		
						(SE0) Software Engineering and Information Technologies Undergraduate Academic Studies		
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
8.	SES103	Oral o	nd written o	communication skills			tware Engineering and Information Technologies, luate Academic Studies	
υ.	020100						tware Engineering and Information Technologies - Indergraduate Academic Studies	
9.	SES301	IT Law					tware Engineering and Information Technologies, luate Academic Studies	
σ.	020001	II Law				(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
10.	E2507	Digital	Archives			(E20) Con Academic	nputing and Control Engineering, Master Studies	
IU.	E2307	Digital Archives				(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

UNDERGRADUATE ACADEMIC STUDIES

List o	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study program	me name, study type			
				(E20) Computin Academic Studie	g and Control Engineering, l	Master		
44		Ducinosa Dresso Managament		(MR0) Measure Academic Studie	ment and Control Engineerines	ng, Master		
11.	E2521	Business Process Management		(SE0) Software Master Academi	Engineering and Informatior c Studies	n Technologies,		
					ectronic and Telecommunica ster Academic Studies	ation		
12.	E2525	Contemporary educational technolog	nios and standards	(E20) Computin Academic Studie	g and Control Engineering, l es	Master		
12.	L2323		gies and standards	(SE0) Software Master Academi	Engineering and Informatior c Studies	n Technologies,		
13.	SEM013	E-government technologies		(SE0) Software Master Academi	Engineering and Informatior c Studies	n Technologies,		
14.	DRNI02	Selected Topics in Advanced Softwa	are Architecture	(E20) Computin Academic Studie	g and Control Engineering, l es	Doctoral		
15.	DRNI06	Selected Topics in Digital Archives		(E20) Computing and Control Engineering, Doctoral Academic Studies				
16.	DRNI13 Selected Topics in Scientific-research Activity managament (E20) Computing and Control Engineering, Doctoral Academic Studies							
Rep	Representative refferences (minimum 5, not more than 10)							
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.		L., Ivanovic, D., Surla, D. (2012), "A c ', Online Information Review, Vol. 36,		nd dissertations of	compatible with CERIF, Dub	lin Core and		
3.		D., Milosavljević, G., Milosavljević, B. C 21 format", Program: Electronic liba 251						
4.		D., Surla, D. & Konjović, Z. (2010), "C I108/02640471111111433, Vol. 29, N		a model based on	MARC 21 format", The Elec	tronic Library,		
5.		ević, G., Ivanović, D., Surla, D. & Milos ht Research Management System", Th				for a CERIF-		
6.	publicatio	c, A., Ivanovic, D., Milosavljevic, B., K ons for CRIS systems", Program: elect 00330331111182094	onjovic, Z., Surla, D. (ronic library and inforr	2011), "Automation mation systems, V	c extraction of metadata fron /ol. 45, No. 4, pp.376 – 396,	n scientific DOI:		
7.		L., Ivanović, D., Surla, D. (2012), Inte ry at the University of Novi Sad, Repu						
8.		D., Surla D., Racković M.: Journal ev and Information Systems (ComSIS), 2				l, Computer		
9.	Informaci	ioni 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			
		for teacher's scientific or art and profe	,					
	ation total :		72					
	ent projects	CI) list papers :	8 Domestic :	2	International :	1		
Curre	on projects	•	Domeauc.	<u> </u>		L '		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Ivetić V. Dra					luotió V Dra-	pgan		
	e and last n	iame:			Ivetić V. Dragan Full Professor			
			uhan- 41 - 1	a a la annua a la a faill d'			nces - Novi Sad	
	e of the insi ng date:	utution v	where the te	acher works full time and	,	culty of Technical Sciences - Novi Sad		
	ntific or art f	ield [.]			Applied Computer Science and Informatics			
	emic carie		Year	Institution		Field		
	emic title e		2010	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics	
	thesis		1999	Faculty of Technical Sci			Applied Computer Science and Informatics	
	ster thesis		1994	Faculty of Technical Sci			Applied Computer Science and Informatics	
— Ŭ	elor's thesis	<u> </u>	1994	Faculty of Technical Sci			Applied Computer Science and Informatics	
		-		•			Applied Computer Science and Informatics	
				acher in the accredited stu		.5		
	ID	Course	e name			Study pro	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E243	Humar	n Computer	Interaction			tware Engineering and Information Technologies, uate Academic Studies	
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(F10) Eng Studies	ineering Animation, Undergraduate Academic	
2.	H207	H207 Programming and Programming Language			S	(H00) Mechatronics, Undergraduate Academic Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
	RI4A	Computer Graphics				(ES0) Power Software Engineering, Undergraduate Academic Studies		
3.						(F10) Eng Studies	ineering Animation, Undergraduate Academic	
							tware Engineering and Information Technologies, uate Academic Studies	
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
4.	E0243	Huma	-Computer	Interaction		(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies	
	L0273	i undi				(F10) Engineering Animation, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
5.	E2505	Multim	Multimedia Systems			(ES0) Power Software Engineering, Master Academic Studies		
						(F20) Eng	ineering Animation, Master Academic Studies	
							tware Engineering and Information Technologies, ademic Studies	
6.	E2516	Virtual	Reality Sve	stems		(E20) Con Academic	nputing and Control Engineering, Master Studies	
0.	22010	Virtual Reality Systems					tware Engineering and Information Technologies, ademic Studies	
7.	E2528	Come	iter damo o	levelonment		(E20) Computing and Control Engineering, Master Academic Studies		
<i>'</i> .	E2020	Computer game development				(SE0) Software Engineering and Information Technologies, Master Academic Studies		
0	E2524	Data (omprossio			(E20) Con Academic	nputing and Control Engineering, Master Studies	
8. E2534 Data Compression					tware Engineering and Information Technologies, ademic Studies			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study programmes
I LISE OF COULSES DEFIND HEID DV THE LEACHEF IT THE ACCIEUTED STUDY DIOUTATITIES.

 of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. Busan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Operations Research, vol. 6, no. 2, 1996., 277-284. Ivetic Dragan, Dinu Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journa No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009. Dragan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference of the International C	List c	List of courses being held by the teacher in the accredited study programmes							
s Estode Computer graphic argonitinits for smart glint systems Studies 10. ESI036 Visualization techniques in power systems (ES0) Power Software Engineering, Master Acad Studies 11. DRNI09 Selected Topics in Human Centered Computing (ES0) Power Software Engineering, Master Acad Academic Studies 12. FDS151 Selected Chapters in Multimedia (F00) Graphic Engineering and Design, Doctoral Studies 13. FDS152 Selected Topics in Computer Graphics (F00) Graphic Engineering and Design, Doctoral Studies 14. DRNI15 Selected Topics in Advanced Computer Graphics (E20) Computing and Control Engineering, Doctor Academic Studies 15. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Doctor Academic Studies 14. DrRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Doctor Academic Studies 15. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Computer and Engineering, Lisevier, Vol. 30, No. 1, pp. 191-121, ISSN 0169-2607, Aug 2012 17. programs in biomedicine, Elsevier, Vol. 107, No. 2, p. 111-121, ISSN 0169-2607, Aug 2012 17. progran Ivetic,		ID	Course name		Study program	ne name, study type			
10. ESUGe Visualization techniques in power systems Studies 11. DRNI09 Selected Topics in Human Centered Computing (E20) Computing and Control Engineering. Doctor Academic Studies 12. FDS151 Selected Chapters in Multimedia (F00) Graphic Engineering and Design, Doctoral Studies 13. FDS152 Selected Topics in Computer Graphics (F00) Graphic Engineering and Design, Doctoral Studies 14. DRNI15 Selected Topics in Advanced Computer Graphics (F20) Engineering Animation, Doctoral Academic 15. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Doctor Academic Studies 10. Dinu Dragan, Dragan Ivetic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer meth programs in biomedicine, Elsevier, Vol. 107, No. 2, p.111-121, ISSN 0169-2607, Aug 2012 2 Dragan Ivetic, Surgian Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Slevier, Vol. 35, No. 4, pp. 499-40 3 Dinu Dragan, Iragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Computer and Ilectrical Engineering, Slevier, Vol. 35, No. 4, pp. 499-40 4 Dinu Dragan, Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Computer and Information Systems Journal (Achitohorous Soft	9.	ESI035	Computer graphic algorithms for sm		ftware Engineering, Master	Academic			
11. DRN109 Selected Topics in Human Centered Computing Academic Studies 12. FDS151 Selected Chapters in Multimedia (F00) Graphic Engineering Animation, Doctoral Academic Studies 13. FDS152 Selected Topics in Computer Graphics (F00) Graphic Engineering and Design, Doctoral Studies 14. DRN115 Selected Topics in Advanced Computer Graphics (E20) Computing and Control Engineering, Animation, Doctoral Academic Studies 15. DRN118 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Animation, Doctoral Academic (F20) Engineering Classing Animation, Macdeal Image and Information System Studies, No. 1, pp. 169-179, ISSN 0405-7906, January 2012 1 Dirus Dragan, Twelic, Straha Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering. Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 10405-7906, January 2010. 4 Dirus Dragan Ivetic, Curus Mathaski, "A comprehensive Quality Evaluation System for PACS", OueSiS Cons	10.	ESI036	Visualization techniques in power sy	vstems	· · ·	ftware Engineering, Master	Academic		
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12. FDS151 Selected Chapters in Multimedia Studies 13. FDS152 Selected Topics in Computer Graphics (F00) Graphic Engineering and Design, Doctoral Studies 14. DRNI15 Selected Topics in Advanced Computer Graphics (E20) Computing and Control Engineering, Doctoral Academic Studies 15. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Doctor Academic Studies 16. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Doctor Academic Studies 17. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Doctor Academic Studies 18. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Engineering Animation, Doctoral Academic Studies 19. Dragan Ivetic, Tingan, Netic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer meth programs in biomedicine, Elsevier, Vol. 107, No. 2, p. 111-121, ISSN 0169-2607, Aug 2012 Dragan Ivetic, Strajan Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 045-7306, January 2010. 3. Dragan Ivetic, Dusan Malbaski, "A dichotomous software life-cycle model", Journal of Applied Systems Studies, Nikitas. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol					(F20) Engineerii	ng Animation, Doctoral Acad	demic Studies		
13. PDS192 Selected Topics in Computer Graphics Studies 14. DRNI15 Selected Topics in Advanced Computer Graphics (E20) Computing and Control Engineering, Docto Academic Studies 15. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Docto Academic Studies 15. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Docto Academic Studies 16. DRNI18 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Docto Academic Studies 17. Dinu Dragan, Dragan Ivetic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer meth programs in biomedicine, Elsevier, Vol. 107, No. 2, p. 111-121, ISSN 0169-2607, Aug 2012 2. Dragan Ivetic, Srijan Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 0045-7906, January 2010. 3. Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Compute and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 152-03, ComSIS Consortium, Serbia, Ju Ju Serbia, Ju Ju Serbia, Ju Ju Serbia, Ju Ju Journal, Special Issue on ICIT 2009 Conference - Bioinformatics and Image, Vol. 4(3), ISSN: 1992-8424, pp. 642-650, I Publisher, July 2009. 7 Veliko Petrovic, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan	12.	FDS151	Selected Chapters in Multimedia		. , .	ngineering and Design, Doo	ctoral Academic		
14. DRNI15 Selected Topics in Advanced Computer Graphics Academic Studies 15. DRNI18 Selected Topics in Distributed/Mobile computing If (20) Computing and Control Engineering, Doctor Academic Studies 15. DRNI18 Selected Topics in Distributed/Mobile computing If (20) Computing and Control Engineering, Doctor Academic Studies 16. Dragan, Dragan Ivetic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer meth programs in biomedicine, Elsevier, Vol. 107, No. 2, p. 111-121, ISSN 0169-2607, Aug 2012 2 Dragan Ivetic, Singan Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 045-7906, January 2010. 3 Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Computer and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consortium, Serbia, Ju 4 Dinu Dragan, Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Compute and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consortium, Serbia, Ju 5 Dragan Ivetic, Dusan Malbaski, "A dichotomous software life-cycle model", Journal of Applied Systems Studies, Nikitas, Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001 10 Dinu Dragan, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm comple of ed	13.	FDS152	Selected Topics in Computer Graph	ics	. , .	ngineering and Design, Doo	ctoral Academic		
15. DRN118 Selected Topics in Distributed/Mobile computing (E20) Computing and Control Engineering, Doctor Academic Studies 15. DRN118 Selected Topics in Distributed/Mobile computing (E20) Engineering Animation, Doctoral Academic Academic Studies 17. Dinu Dragan, Dragan Ivetic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer meth programs in biomedicine, Elsevier, Vol. 107, No. 2, p.111-121, ISSN 0169-2607, Aug 2012 2 Dragan Ivetic, Dinu Dragan, "Medical Image on the go!", Journal of Medical Systems, Springer, Vol. 35, No. 4, pp. 499-40148-5598, August 2011. 3 Dragan Ivetic, Srdjan Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 0045-7906, January 2010. 4 Dinu Dragan, Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Compute and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consolium, Serbia, Ju. 5 Dragan Ivetic, Dusan Malbaski, "A dichotomous software life-cycle model", Journal of Applied Systems Studies, Nikitas. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001 6 Dinu Dragan, Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm comple of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. 8 Dusan Malbaski, Dragan Iveti	14.	DRNI15	Selected Topics in Advanced Comp	uter Graphics			Doctoral		
15. DRNI18 Selected Topics in Distributed/Mobile computing Àcadémic Studies [F20] Engineering Animation, Doctoral Academic Representative refferences (minimum 5, not more than 10) 1 Dinu Dragan, Dragan Ivetic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer meth programs in biomedicine, Elsevier, Vol. 107, No. 2, p.111-121, ISSN 0169-2607, Aug 2012 2. Dragan Ivetic, Dinu Dragan, "Medical Image on the gol", Journal of Medical Systems, Springer, Vol. 35, No. 4, pp. 499-4 0148-5598, August 2011. 3. Dargan Ivetic, Srdjan Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 0045-7906, January 2010. 4. Dinu Dragan, Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Computer and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consortium, Serbia, Ju Dragan Ivetic, Dusan Malbaski, "A dichotomous software Ife-cycle model", Journal of Applied Systems Studies, Nikitas. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001 5 Dinu Dragan, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm comple of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. 8 Dusan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Operations Research, vol. 6, n					(F20) Engineerii	ng Animation, Doctoral Acad	demic Studies		
Representative refferences (minimum 5, not more than 10) 1. Dinu Dragan, Dragan Ivetic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer mett programs in biomedicine, Elsevier, Vol. 107, No. 2, p.111-121, ISSN 0169-2607, Aug 2012 2. Dragan Ivetic, Dinu Dragan, "Medical Image on the gol", Journal of Medical Systems, Springer, Vol. 35, No. 4, pp. 499-4 0148-5598, August 2011. 3. Dragan Ivetic, Srdjan Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 0045-7906, January 2010. 4. Dinu Dragan, Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Compute and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consortium, Serbia, Ju 5. Dragan Ivetic, Dusan Malbaski, "A dichotomous software life-cycle model", Journal of Applied Systems Studies, Nikitas. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001 Dinu Dragan, Dragan Ivetic, "A Comprehensive Quality Evaluation System for PACS", Ubiquitous Computing and Comm Journal, Special Issue on ICIT 2009 Conference - Bioinformatics and Image, Vol. 4(3), ISSN: 1992-8424, pp. 642-650, U Publisher, July 2009. 7 Veliko Petrovic, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm comple of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. 8 Dusan Malbaski, Dra	15.	DRNI18	Selected Topics in Distributed/Mobil	e computing		o o	Doctoral		
1. Dinu Dragan, Dragan Ivetic, "Request Redirection Paradigm in Medical Image Archive Implementation", Computer mett programs in biomedicine, Elsevier, Vol. 107, No. 2, p.111-121, ISSN 0169-2607, Aug 2012 2. Dragan Ivetic, Dinu Dragan, "Medical Image on the go!", Journal of Medical Systems, Springer, Vol. 35, No. 4, pp. 499-4 0148-5598, August 2011. 3. Dragan Ivetic, Srdjan Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 0045-7906, January 2010. 4. Dinu Dragan, Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Compute and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consortium, Serbia, Ju. 5. Dragan Ivetic, Dusan Malbaski, "A dichotomous software life-cycle model", Journal of Applied Systems Studies, Nikitas. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001 6. Dinu Dragan, Dragan Iveti, "A Comprehensive Quality Evaluation System for PACS", Ubiquitous Computing and Communications System, July 2009. 7. Veliko Petrovic, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm comple 7. Dusan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Operations Research, vol. 6, no. 2, 1996, 277-284. 9. Ivetic Dragan, Diru Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journa No. 5, pp. 1-13, ISSN					(F20) Engineerii	ng Animation, Doctoral Acad	demic Studies		
Image: Instant Strength Strengthenet Strengt Strengt Strength Strength Strength Strength Strength	Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
2 0148-5598, August 2011. 3 Dragan Ivetic, Srdjan Mihic, Branko Markoski, "Augmented AVI video file for road surveying", Computers and Electrical Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 0045-7906, January 2010. 4 Dinu Dragan, Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Compute and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consortium, Serbia, Ju 5 Dragan Ivetic, Dusan Malbaski, "A dichotomous software life-cycle model", Journal of Applied Systems Studies, Nikitas. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001 6 Dinu Dragan, Dragan Iveti, "A Comprehensive Quality Evaluation System for PACS", Ubiquitous Computing and Comm 6 Journal, Special Issue on ICIT 2009 Conference - Bioinformatics and Image, Vol. 4(3), ISSN: 1992-8424, pp. 642-650, I 7 of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. 8 Dusan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Operations Research, vol. 6, no. 2, 1996., 277-284. 9 Ivetic Dragan, Dinu Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journa No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009. 10 Dargan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference of centric Computing 2011 and Embedded Mul	1.						r methods and		
 Engineering, Elsevier, Vol. 36, No. 1, pp. 169-179, ISSN 0045-7906, January 2010. Dinu Dragan, Dragan Ivetic, "Architectures of DICOM based PACS for JPEG2000 Medical Image Streaming", Compute and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consortium, Serbia, Ju. Dragan Ivetic, Dusan Malbaski, "A dichotomous software life-cycle model", Journal of Applied Systems Studies, Nikitas. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001 Dinu Dragan, Dragan Iveti, "A Comprehensive Quality Evaluation System for PACS", Ubiquitous Computing and Comm Journal, Special Issue on ICIT 2009 Conference - Bioinformatics and Image, Vol. 4(3), ISSN: 1992-8424, pp. 642-650, I Publisher, July 2009. Veljko Petrovic, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm comple of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. Busan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Operations Research, vol. 6, no. 2, 1996., 277-284. Ivetic Dragan, Dinu Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journa No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009. Dragan D, Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference of centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3 Summary data for teacher's scientific or art and professional activity: Quotation total : 55 Total of SCI(SSCI) list papers : 4 	2.			n the go!", Journal of N	ledical Systems, S	Springer, Vol. 35, No. 4, pp.	499-516, ISSN		
 and Information Systems Journal (ComSIS), vol. 6(1), ISSN: 1820-0214, pp. 185-203, ComSIS Consortium, Serbia, Ju Dragan Ivetic, Dusan Malbaski, "A dichotomous software life-cycle model", Journal of Applied Systems Studies, Nikitas. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001 Dinu Dragan, Dragan Iveti, "A Comprehensive Quality Evaluation System for PACS", Ubiquitous Computing and Comm Journal, Special Issue on ICIT 2009 Conference - Bioinformatics and Image, Vol. 4(3), ISSN: 1992-8424, pp. 642-650, I Publisher, July 2009. Veljko Petrovic, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm comple of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. Dusan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Operations Research, vol. 6, no. 2, 1996., 277-284. Ivetic Dragan, Dinu Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journa No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009. Dragan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference of centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3 Summary data for teacher's scientific or art and professional activity: Quotation total : 55 Total of SCI(SSCI) list papers : 4 	3.					eying", Computers and Elec	trical		
5. Assimakopoulos, Ed., Cambridge International Science Publishing, Cambridge, England, vol. 2, No. 2, 2001 Dinu Dragan, Dragan Iveti, "A Comprehensive Quality Evaluation System for PACS", Ubiquitous Computing and Comm Journal, Special Issue on ICIT 2009 Conference - Bioinformatics and Image, Vol. 4(3), ISSN: 1992-8424, pp. 642-650, I Publisher, July 2009. Veljko Petrovic, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm complet of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. 8. Dusan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Operations Research, vol. 6, no. 2, 1996., 277-284. 9. Ivetic Dragan, Dinu Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journa No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009. 10. Dragan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference of centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3 Summary data for teacher's scientific or art and professional activity: 200 Quotation total : 55 Total of SCI(SSCI) list papers : 4	4.								
 6. Journal, Špecial Issue on ICIT 2009 Conference - Bioinformatics and Image, Vol. 4(3), ISSN: 1992-8424, pp. 642-650, UPublisher, July 2009. Veljko Petrovic, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm complete of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. 8. Dusan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Operations Research, vol. 6, no. 2, 1996., 277-284. 9. Ivetic Dragan, Dinu Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journa No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009. 10. Dragan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference of centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3 Summary data for teacher's scientific or art and professional activity: Quotation total : 55 Total of SCI(SSCI) list papers : 4 	5.						ikitas. A.		
7. of education policy", Ubiquitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN 8424, pp. 43-51, UBICC Publisher, 2011. 8. Dusan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Operations Research, vol. 6, no. 2, 1996., 277-284. 9. Ivetic Dragan, Dinu Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journa No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009. 10. Dragan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference of centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3 Summary data for teacher's scientific or art and professional activity: Quotation total : 55 Total of SCI(SSCI) list papers : 4	6.	Journal,	Special Issue on ICIT 2009 Conference	Quality Evaluation System - Bioinformatics and	stem for PACS", L Image, Vol. 4(3),	Jbiquitous Computing and C ISSN: 1992-8424, pp. 642-	Communication 650, UBICC		
8. Operations Research, vol. 6, no. 2, 1996., 277-284. 9. Ivetic Dragan, Dinu Dragan, "JPEG2000 Aims To Make Medical Image Ubiquitous", Egyptian Computer Science Journa No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009. 10. Dragan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference of centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3 Summary data for teacher's scientific or art and professional activity: Quotation total : 55 Total of SCI(SSCI) list papers : 4	7.	Veljko Petrovic, Dragan Ivetic, "Education and out of the box thinking – linearization of Graham's scan algorithm complexity as fruit of education policy", Ubiguitous Computing and Communications Journal, Special Issue on ICIT 2011 conference, ISSN: 1992-							
No. 5, pp. 1-13, ISSN 1110-2586, Sept. 2009. Dragan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference of centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3 Summary data for teacher's scientific or art and professional activity: Quotation total : 55 Total of SCI(SSCI) list papers : 4	8.	Dusan Malbaski, Dragan Ivetic, "Some notes on the formal definition of streams", Byron Papathanassiou, Ed., Yugoslav Journal of							
10. centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park (eds.), Berlin, Springer, 2011, str. 297-308, ISBN 978-94-007-2104-3 Summary data for teacher's scientific or art and professional activity: Quotation total : 55 Total of SCI(SSCI) list papers : 4	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 J	ournal, Vol. 31,		
Quotation total : 55 Total of SCI(SSCI) list papers : 4	10.	Dragan D., Ivetić D.: Chapter 28: Tools for Ubiquitous PACS System, in "Proceedings of the International Conference on Human- centric Computing 2011 and Embedded Multimedia Computing 2011", Lecture Notes in Electrical Engineering, J.J. Park et al.							
Total of SCI(SSCI) list papers : 4	Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Current projects : Domestic : 2 International : 0	Total	of SCI(SS	CI) 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

Computing and Control Engineering

Name and last name:					laližić D. Zar		
Name and last name:					Jeličić D. Zora		
Academic title: Name of the institution where the teacher works full time and					Associate Professor Faculty of Technical Sciences - Novi Sad		
-	e of the insi ng date:		viere the te	acher works full time and	01.11.1995		
	ntific or art f	ield:				ntrol and Sv	/stem Engineering
	emic carie		Year	Institution			Field
	emic title e		2008	Faculty of Technical Sci	ences - Novi Si	ad	Automatic Control and System Engineering
	thesis		2000	Faculty of Technical Sci			Automatic Control and System Engineering
	ster thesis		1999	Faculty of Technical Sci			Automatic Control and System Engineering
	elor's thesis	\$	1995	Faculty of Technical Sci			Automatic Control and System Engineering
				acher in the accredited stu			
						.5	
	ID	Course	e name			Study pro	gramme name, study type
1.	AU41	Diaital	Control Sys	stoms		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
1.	A041	Digital	Control Sys	SICINS			asurement and Control Engineering, uate Academic Studies
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
	E007	Ontimi	zation Matt	ode			asurement and Control Engineering, uate Academic Studies
2.	E237 Optimization Methods		iuus			tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Soff Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies
3.	E237A	Optimi	zation Meth	nods		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
4.	F404	Model	ling, Simula	tion 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) Mec	chatronics, Undergraduate Academic Studies
7.	H302	Contro	I Systems 2	2		(H00) Mec	chatronics, Undergraduate Academic Studies
8.	BM118A	Nonlin	ear progran	nming and optimal control		(BM0) Bio Studies	medical Engineering, Undergraduate Academic
9.	BM130A	Digital	control sys	tems in bioengineering		(BM0) Bio Studies	medical Engineering, Undergraduate Academic
10.	E2316	Real-ti	me control	systems		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
11.	SEAU01	Nonlin	ear progran	nming and evolutionary co	omputations		tware Engineering and Information Technologies, uate Academic Studies
12.	SEAU03	Real-ti	me control	algorithms			tware Engineering and Information Technologies, uate Academic Studies
13.	AU511	Adapti	ve and Adv	anced Control		(E20) Con Academic	nputing and Control Engineering, Master Studies
13.	AUDIT	•				(MR0) Me Academic	asurement and Control Engineering, Master Studies
14.	AT03	Optimization and control techniques in archit design			itectural	· ,	hitecture, Master Academic Studies
15.	E2532	Automatic Control Systems Project Manager				Academic	
16.	DAU005	Selected Chapters in Optimization Methods					chanical Engineering, Doctoral Academic Studies
17.	DAU010	Select	ed Chapters	s in Nonlinear Control Sys	stems	Académic	
			•			Studies	thematics in Engineering, Doctoral Academic
18.	DGI016	Selected Chapters in Systems and Signals				(GI0) Geo	desy and Geomatics, Doctoral Academic Studies

UNIVERSITY	OF	NOVI	SAD
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Study Programme Accreditation



UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study programmes										
	ID	Course name		Study program	me name, study type					
19.	DAU005	Selected Chapters in Optimization M	lethods	(E20) Computin Academic Studie	g and Control Engineering, es	Doctoral				
Rep	Representative refferences (minimum 5, not more than 10)									
1.	Jeličić Z., Kulić F., Čongradac V., Kanović Ž., Živković S.,Praktikum Savremena merenja i instrumentacija iz programa Lifelong Learning, INDAS, 2003.									
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.		lilan; Jeličić Zoran; Optimal control of 1-2, 39-51, DOI: 10.1007/s11071-01		eat diffusion syste	ms,Nonlinear Dynamics V	olume 62,				
5.		čić, T. M. Atanacković, Optimal shape 9, (2007) .	of a vertical rotating c	olumn, Internatio	onal Journal of Non-Linear M	lechanics, 42,				
6.		novic, Milan R Rapaic, Zoran D Jelici with application in fault detection, App 0186.								
7.		. 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 MULTIDISCIPL	INARY				
8.	Milena Petković, Milan R Rapaić, Zoran D Jeličić, Alessandro Pisano, On-line adaptive clustering for process monitoring and fault detection, Expert Systems with Applications, Volume 39, Issue 11, 1 September 2012, Pages 10226–10235.									
9.	T. M. Atanacković, Z. D. Jeličić, Optimal shape and deformations of a lifting line with winglets. Bulletin de l"Académie Serbe des Sciences et des Arts. Classe des Sciences techniques 29, 57-79 (2003).									
10.	10. T. M. Atanackovic, Y. Huo, Z. Jelicic, I. Mueller, Phase diagrams modified by interfacial penalties, Theoret. Appl. Mech., Vol.34, No.4, pp. 301-338, Belgrade 2007.									
		for teacher's scientific or art and profe	,							
	ation total :		105							
	``	CI) list papers :	7							
Curre	Current projects : Domestic : 2 International : 1									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nam	e and last n	ame.			Jorgovanović	Đ Nikola			
	emic title:	anie.			Jorgovanović Đ. Nikola Associate Professor				
		itution v	vhere the te	acher works full time and					
	ng date:				15.11.1999				
Scier	ntific or art f	eld:			Automatic Co	ntrol and Sy	stem Engineering		
Acad	emic cariee	r	Year	Institution			Field		
Acad	emic title el	ection:	2009	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		1996	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
Bach	elor's thesis	6	1992	Faculty of Technical Sci	ences - Novi S	ad	Electronics		
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.	AU42	Techni	ical Equipm	ent for Control Systems		Academic (MR0) Me	nputing and Control Engineering, Undergraduate Studies asurement and Control Engineering, uate Academic Studies		
2.	AU43	Funda	mentals of	Biomedical Engineering		(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
3.	AU47	DSP A	pplications	in Control Systems		Academic (E20) Con Academic	Studies nputing and Control Engineering, Undergraduate		
4.	AU49	Methods of Medical Image Forming and An			alysis		uate Academic Studies nputing and Control Engineering, Undergraduate		
5.	AUN43	Biome	dical Engin	eering Technologies			omputing and Control Engineering, Undergraduate		
6.	G1006	Satellite Navigation and Navigation Service					desy and Geomatics, Undergraduate Academic		
7.	GI206	System	ns and Sigr	als in Geomatics		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
8.	Z411	Funda	mentals of	Instrumentation and Contr	ol	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
9.	BM119A		oplication of ns in medici	geoinformation technolog	jies and	Studies	medical Engineering, Undergraduate Academic		
10.	BMI112	Biome	dical engine	eering in sport physiology		Studies	medical Engineering, Undergraduate Academic		
11.	BMI114		Prosthesis			Studies	medical Engineering, Undergraduate Academic		
12.	BMI120	Equipr disable		stems for helping the elde	eriy, ill and	Studies	medical Engineering, Undergraduate Academic		
13.	BMI122		rehabilitatio			Studies	medical Engineering, Undergraduate Academic medical Engineering, Undergraduate Academic		
14.	BMI124	System Modeling and Simulation				Studies	nputing and Control Engineering, Undergraduate		
15.	E2314	Microprocessor Based Control Devices				Àcadémic			
16.	SEAU05	DSP Applications in Control Systems				Undergrad (SEL) Sof	tware Engineering and Information Technologies - ndergraduate Academic Studies		
17.	SEAU08	Microp	rocessor B	ased Control Devices		(SE0) Sofi Undergrad (SEL) Sofi	tware Engineering and Information Technologies, uate Academic Studies tware Engineering and Information Technologies - ndergraduate Academic Studies		
18.	AU504	Moven	nent Contro	1			nputing and Control Engineering, Master		

HAS STUDIORUM

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

f courses being held by the teacher in the accredited study programm

		eing held by the teacher in the accred					
	ID	Course name	Study programme name, study type				
19.	AU505	Neural Prostheses		(E20) Computing and Control Engineering, Master Academic Studies			
20.	AU507	Principles of Biomedical Engineering	9	(E20) Computing and Control Engineering, Master Academic Studies			
21.	BMIM3B	Soft Sensors		(BM0) Biomedical Engineering, Master Academic Studies			
22.	BMIM3C	Functional Electrical Therapy		(BM0) Biomedical Engineering, Master Academic Studies			
23.	BMIM5C	Brain Computer Interface		(BM0) Biomedical Engineering, Master Academic Studies			
24.	E2532	Automatic Control Systems Project I	Management	(E20) Computing and Control Engineering, Master Academic Studies			
25.	SEAM04	Soft Sensors		(SE0) Software Engineering and Information Technologies, Master Academic Studies			
26.	DAU008	Selected Chapters in Signal Process Engineering	sing in Biomedical	(E20) Computing and Control Engineering, Doctoral Academic Studies			
27.	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 and Geomatics, Doctoral Academic Studies			
29.	DAU009	Selected Chapters in Biomedical Ins	strumentation and	(E20) Computing and Control Engineering, Doctoral Academic Studies			
29.	Telemetry			(OM1) Mathematics in Engineering, Doctoral Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.				pović B. M., Popović B. D.: Electrical stimulation for the 1, Vol. 49, No 10, pp. 1187-1193, ISSN 0140-0118			
2.		Bijelić A., Bijelić G., Jorgovanović N., stimulation , Artificial Organs, 2005,		I., Popović D.: Multi-field surface electrode for selective 3-452, ISSN 0160-564X			
3.				, Keller T., Popović D.: A multi-pad electrode based functional REHABIL, 2012, Vol. 9, No 66, ISSN 1743-0003			
4.		ac V., Jorgovanović N., Stanišić D.: A , 2012, Vol. 48, pp. 146-154, ISSN 03		consumption for heating and cooling in hospitals, Energy and			
5.	Bojanić D cerebral j	 Petrovački-Balj B., Jorgovanović N. balsy, Journal of Neuroscience Metho 	., Ilić V.: Quantification ds, 2011, No 198, pp.	n of dynamic EMG patterns during gait in children with 325-331, ISSN 0165-0270			
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	e use of Dynamic Electromyography in Gait Analysis,			
7.	Jorgovanović N., Došen S., Petrović R.: Novel Electronic Stimulator for Functional Electrical Therapy, Journal of Automatic Control, 2005, Vol. 15, No 5, pp. 27-30, UDK: 621.3-52						
8.		ović N.: Upravljanje funkcionalnom e adu, Fakultet tehničkih nauka, 2003	lektričnom stimulacijo	m za neurorehabilitaciju pokreta, Novi Sad, Univerzitet u			
9.	Jorgovan	ović N.: NEURON - neuronski računa	arski sistem, Novi Sad	l, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 1996			
10.	I., Jorgov			tić A., Pajić V., Sladić D., Vrtunski M., Badnjarević I., Alargić : Geografski informacioni sistem za potrebe Ministarstva			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
	ation total :		81				
Total	of SCI(SS	CI) list papers :	6	· · · ·			
Curre	ent projects	•	Domestic :	1 International : 1			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nam	e and last n	ame:			Jović Đ. Mion	nira		
Academic title:					Foreign Lang		rer	
Name of the institution where the teacher works full time and					Faculty of Sciences - Novi Sad			
starti	ng date:				01.09.2001			
Scier	ntific or art f	ield:		ſ	German			
Acad	emic cariee	er	Year	Institution			Field	
	emic title el		2005				German	
	elor's thesis		1973				German	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Course name				Study pro	ogramme name, study type	
1.	F331	Germa	an Languag	e – LSP Course 2		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(A00) Arch	hitecture, Undergraduate Academic Studies	
							enic Architecture, Technique and Design, luate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2.	NJ01Z German Language – Elementary				(Z01) Safe	ety at Work, Undergraduate Academic Studies		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						aster Risk Management and Fire Safety, luate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate Academi Studies		
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(G00) Civi	il Engineering, Undergraduate Academic Studies	
							chanization and Construction Engineering, luate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
							chnical Mechanics and Technical Design, luate Academic Studies	
_	NUOQU	0.0		o Dro Interne dicto		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
3.	NJ02L	L German Language – Pre-Intermediate				(S00) Traf Academic	ffic and Transport Engineering, Undergraduate Studies	
							tal Traffic and Telecommunications, uate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
							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	06 German Language for GRID 2				(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

ndergraduate Academic te Academic Technologies,							
Academic te Academic							
te Academic							
Technologies,							
Technologies -							
(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies							
uate Academic							
uate Academic							
er Academic							
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

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Katić M. Mari	าล		
Academic title:								
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad			
	ng date:				01.10.2001			
Scier	ntific or art f	ield:			English			
Acad	emic cariee	er	Year	Institution	_		Field	
Acad	emic title el	ection:	2010	Faculty of Technical Sci	ences - Novi Sa	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	S	1987	Faculty of Philosophy - I	Novi Sad		English	
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	
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arch	hitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arch	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
						(G00) Civi	il Engineering, Undergraduate Academic Studies	
						 (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies 		
5.	EJ01L English Language – Eleme		e – Elementary			chnical Mechanics and Technical Design, luate Academic Studies		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
						(S00) Traf Academic	ffic and Transport Engineering, Undergraduate Studies	
						tal Traffic and Telecommunications, luate Academic Studies		
							ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
							asurement and Control Engineering, luate Academic Studies	
6.	EJ01Z	Englis	h Language	e - Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
							aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	

ASSTOCKED OF CHARACTER

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study program	mes

	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.	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
			(I10) Industrial Engineering, Undergraduate Academic Studies
8.	EJ02Z	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
	EJ03Z	IZ English Language - Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
9.			(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
	E 10 (1		(Z01) Safety at Work, Undergraduate Academic Studies
10.	EJ04L	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
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

HISTAS STUDIO

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



N. R.		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVICA 6							
U. NEO	ANTEN	Study Programme Accreditation							
List o	of courses b	eing held by the teacher in the accredited study programme							
	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						
			(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						
- 00	E IOD	Frailish Language FCD Course	(COO) Civil Engine gring Undergraduate Academic Studies						

EJPST

EJSIT

EJGR

EJM

English Language – ESP Course

English Language - ESP Course

English Language in Postal Traffic

English Language in Traffic and Transport

22.

23.

24

25.

(G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering,

(M30) Energy and Process Engineering, Undergraduate

(P00) Production Engineering, Undergraduate Academic

(S00) Traffic and Transport Engineering, Undergraduate

(M40) Technical Mechanics and Technical Design,

(S01) Postal Traffic and Telecommunications,

Undergraduate Academic Studies

Undergraduate Academic Studies

Undergraduate Academic Studies

Academic Studies

Academic Studies

Studies

SITAS STUD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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Foouroog bo	ing hold by th	o toophor in t	he ecorodited a	tudy programmes
Courses be	ana neia dy ii		ne accieulieu s	

List c	of courses b	eing held by the teacher in the accredited study programme	25
	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
34.	EJIIM	English for Specific Purposes	 (110) Industrial Engineering, Undergraduate Academic Studies (120) 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
37.	EJ1Z	English Language - Elementary	 (E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic
07.	2012		Studies (SEO) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
38.	EJ2Z	English Language – Intermediate	 (E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) 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 (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)	

UNIVERSITY OF	NOVI SAD
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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering Representative refferences (minimum 5, not more than 10) Marina Katić, Kostadin Pušara, "Standardization of E-Commerce Terminology", Annals of the Faculty of Engineering Hunedoara, 1 Vol.III, Part 2, 2005, ISSN 1584-2665, Edition Mirton, Timisoara (Romania), pp.31-36. M.Katić, "O tehnikama prevođenja nekih engleskih termina energetske elektronike", 11th International Symposium on Power 2 Electronics - Ee 2001, Novi Sad, Oct.-Nov.2001, pp.154-157. M.Katić, "Terminology of E-Commerce", 7th International Symposium on Interdisciplinary Regional Research - ISIRR 2003, 3 Hunedoara (Romania), Sept. 2003, CD-ROM - Paper 0104. M.Katić, "Key Terms of Business Environment", PSU-UNS Int. Conference Energy and Environment, Hat Yai (Thailand), Dec. 4 2003, Marina Katić, Kostadin Pušara, "Need for E-Commerce Term Standardization and Harmonization", Western Business & 5 Management Conference 2004, Las Vegas (USA), Oct.2004, CD ROM. Marina Katić, Kostadin Pušara, "Standardization of E-Commerce Terminology", VIII International Symposium on Interdisciplinary 6 Regional Research - ISSIR 2005, Szeged (Hungary), 19-21. 04. 2005., University of Szeged, CD ROM. 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 7 CD ROM) M.Katić, "Engleski jezik u službi međunarodnog menadžmenta", XII međunarodna konferencija Industrijski sistemi - IS 2002, 8 Vrnjačka Banja, Nov. 2002, pp.146-151 M.Katić, "Anglicizmi u jeziku tehnike", XLVII Konferencija ETRAN, Herceg Novi, Jun 2003, CD-ROM i knjiga, Sveska 3, pp. 241-9 244 M.Katić, K.Pušara, "Zašto je potrebna standardizacija termina elektronske trgovine", XLIX Konferencija za ETRAN, Budva, 05.-10. 10 06. 2005., Zbornik radova, CD-ROM i knjiga, Sveska 3, pp.238-241. Summary data for teacher's scientific or art and professional activity: Quotation total 0 Total of SCI(SSCI) list papers : 0 Domestic : 0 0 Current projects : International :



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: K					Konjović D. Zora			
Name and last name: Academic title:								
					Full Professor Faculty of Technical Sciences - Novi Sad			
					01.10.1981			
	ntific or art f	ield:				outer Scienc	ce and Informatics	
	emic caries		Year	Institution			Field	
Acad	emic title e	lection:	2003	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics	
	thesis		1992	Faculty of Technical Sci			Robotics and Flexible Automation	
Magi	ster thesis		1985	Faculty of Technical Sci			Robotics and Flexible Automation	
	elor's thesis	S	1973	Faculty of Sciences - No		-	Mathematics	
List c	of courses b	eina he	ld by the tea	acher in the accredited stu		es		
	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 Algorith	nms and Numerical Softwa	are		tware Engineering and Information Technologies, uate Academic Studies	
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
							er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
						(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
2.	E233	Interne	Internet Networks			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
3.	E236A	Compi	Computational Intelligence 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	Knowledge Based Systems				tware Engineering and Information Technologies, uate Academic Studies		
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
5.	ISIT41	eGove	ernment tecl	nnologies and systems			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	ommunication skills		(SE0) Software Engineering and Information Technologi Undergraduate Academic Studies		
<i>'</i> .	020103					(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
8.	SES301	IT Law				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
0.	020001						tware Engineering and Information Technologies - ndergraduate Academic Studies	



List

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

of courses b	eing held by	the teacher in	the accredited	study programmes

LISU	or courses b	being held by the teacher in the accredited study programme		
	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.	E2514	Biologicaly inspired computing	(E20) Computing and Control Engineering, Master Academic Studies	
			(SE0) Software Engineering and Information Technologies, Master Academic Studies	
11.	EP002	EBusiness technologies and systems	(I20) Engineering Management, Specialised Professional Studies	
	21 002		(IB0) Engineering Management - MBA, Specialised Professional Studies	
12.	E2525	Contemporary educational technologies and standards	(E20) Computing and Control Engineering, Master Academic Studies	
12.	22020		(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.	DRNI07	Selected Chapters in Computational Intelligence	(E20) Computing and Control Engineering, Doctoral Academic Studies	
			(OM1) Mathematics in Engineering, Doctoral Academic Studies	
16.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies	
17.	DAU014	Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies	
	2/10014		(OM1) Mathematics in Engineering, Doctoral Academic Studies	
18.	DRNI10	Selected Topics in E-Government	(E20) Computing and Control Engineering, Doctoral Academic Studies	
19.	DRNI17		(E20) Computing and Control Engineering, Doctoral Academic Studies	
13.	DINNIT	Selected Topics in ICT enhanced learning	(OM1) Mathematics in Engineering, Doctoral Academic Studies	
Rep	oresentative	e refferences (minimum 5, not more than 10)		
1.		c Djordje, Konjovic Zora, Pap Endre, Ralevic Nebojsa (201 ets and Systems, Vol. 170 no. 1, pp. 76-94	1). The maximal distance between imprecise point objects,	
2.		c Djordje, Konjovic Zora, Pap Endre, Rudas Imre (2012). Li ystems (rad objavljen u elektronskom obliku http://www.scie	near Fuzzy Space Based Road Lane Detection. Knowledge- ncedirect.com/science/article/pii/S0950705112000032)	
3.		c Aleksandar, Konjović Zora, Milosavljević Branko, Nenacons: A case study in automatic terminology recognition, Con		
4.		Stevan, Sladić Goran, Milosavljević Branko, Konjović Zora (ient Services. Journal of Organizational Computing and Ele		
5.		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.		ran, Segedinac Milan, Konjović, Zora (2012).Automatic Ger nal Design. Computer Science and Information Systems. V		
7.		oran, Milosavljević Branko, Konjović Zora, Vidaković Milan (ns. Computer Science and Information Systems / ComSIS (
8.		Dragan, Surla Dusan, Konjovic Zora (2011). CERIF compat /ol. 29 no. 1, pp. 52-70	tible data model based on MARC 21 format, Electronic	
9.		c Aleksandar, Ivanovic Dragan, Milosavljevic Branko, Kor I from scientific publications for CRIS systems, Program-Ele		

UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering NDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering Presentative 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. Summary data for teacher's scientific or art and professional activity: Quotation total : 0 Total of SCI(SSCI) list papers : 15

2

International :

1

Domestic :

Current projects :





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name					Kostić Z Marko			
Name and last name: Academic title:					Kostić Z. Marko			
Name of the institution where the teacher works full time and					Associate Professor Faculty of Technical Sciences - Novi Sad			
starting date:				acher works full time and	15.10.1999			
	ntific or art f	ield:			Mathematics			
	lemic caries		Year	Institution			Field	
	lemic title el		2010	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics	
	thesis		2004	Faculty of Sciences - No		'	Mathematical Sciences	
	ster thesis		2001	Faculty of Sciences - No			Mathematical Sciences	
	elor's thesis	s	1999	Faculty of Sciences - No			Mathematical Sciences	
		-	ld by the tea	acher in the accredited stu		s		
-								
	ID	Course	e name				gramme name, study type	
1.	E121	Mathe	matical Ana	alysis 2		Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
2.	E135B	Mathe	matical Ana	Ilysis 2		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						Academic		
3.	E212	Mathe	matical Ana	alysis 1			tware Engineering and Information Technologies, uate Academic Studies	
							tware 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) Graphic Engineering and Design, Undergraduate Academic Studies		
6.	GI107	Mathematical Analysis 1				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
							chanization and Construction Engineering, uate Academic Studies	
7.	M106	Mathematics 2				(M30) Energy and Process Engineering, Undergraduate Academic Studies		
/.	101100					(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Production Engineering, Undergraduate Academic Studies		
8.	M4202	Applie	d Mathema	tical Analysis		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
9.	ISIT06	Matem	natika 2				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		Studies	thematics in Engineering, Master Academic	
							ver, Electronic and Telecommunication g, Specialised Academic Studies	
							strial Engineering, Specialised Academic Studies	
12.	DZ01MS	Select	ed Chapter	s in Mathematics		(122) Engineering Management, Specialised Academic Studies		
						(Z00) Environmental Engineering, Specialised Academic Studies		
13.	Z506	20BAd	lvanced Co	urse in Mathematics 1		(ZP1) Disaster Risk Management and Fire Safety, Maste Academic Studies		
						(Z20) Environmental Engineering, Master Academic Studie		
14.	Z506	Viši ku	irs matemat	tike 1(uneti naziv na engle	skom)	(Z20) Envir	ronmental Engineering, Master Academic Studies	
15.	D0M01	Functio	onal Analys	is 1		(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	



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



Study Programme Accreditation

Computing and Control Engineering

UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	ne name, study type			
16.	D0M19	Functional Analysis 2		(OM1) Mathema Studies	I Academic			
					ectronic and Telecommunica ctoral Academic Studies	ation		
				(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral		
				(F00) Graphic E Studies	ngineering and Design, Doc	toral Academic		
				(F20) Engineerii	ng Animation, Doctoral Acad	lemic Studies		
				(G00) Civil Engi	neering, Doctoral Academic	Studies		
				(GI0) Geodesy a	and Geomatics, Doctoral Aca	ademic Studies		
17.	D701M	Selected Chapters in Mathematics		(H00) Mechatro	nics, Doctoral Academic Stu	dies		
17.	DZ01M	Selected Chapters in Mathematics		(I20) Industrial E Doctoral Acaden	Engineering / Engineering Ma 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	I Academic		
			(S00) Traffic Engineering, Doctoral Academic Stud					
				(Z00) Environmental Engineering, Doctoral Academic Studies				
				(Z01) Safety at Work, Doctoral Academic Studies				
Re	presentative	e refferences (minimum 5, not more th	an 10)					
1.	Kostić, M	larko, Distribution cosine functions. Ta	iwanese J. Math. 10 (2006), no. 3, 739-	-775.			
2.	Kostić M	arko,On analytic integrated semigrou	os. Novi Sad J. Math. 3	35 (2005), no. 1, ²	127135.			
3.		arko,Convoluted \$C\$-cosine function				h. No. 28		
4.	Kostić Ma	arko, On a class of quasi-distribution s	emigroups, Novi Sad	J. Math 36 (2), 13	7-152			
5.	M. Kostić	, P. J. Miana, Relations between distr f Mathematics 11 (2007), 531543.				iwanese		
6.	M. Kostić	, S. Pilipović, Global convoluted semi	groups, accepted in M	ath. Nachr.				
7.	M. Kostić	c, S. Pilipović: Convoluted C-cosine fu			ultradistribution and hyperfu	nction sines,		
8.	· ·	: Complex powers of operators, accept	oted in Publications De	e"l Institute Mathe	matique			
9.		: C-Distribution semigroups, Studia M			•			
10.		: Convoluted operator families and ab	. ,		agujevac Journal of Mathem	natics		
		for teacher's scientific or art and profe	<u>,</u>					
	tation total :	•	32					
Tota	l of SCI(SS	CI) list papers :	15					
	ent projects		Domestic :	1	International :	0		





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

-	e anu iasi n	Name and last name:				Kovačević M. Ilija			
Acau	Name and last name: Academic title:				Fovacevic M. Ilija				
Name of the institution where the teacher works full time and				acher worke full time and					
starting date:					01.09.1972				
	ntific or art f	ield:			Mathematics				
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	ection:	1990	Faculty of Technical Sci	ences - Novi Sa	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	8	1971	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
List o	of courses b	eing hel	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			tware Engineering and Information Technologies, luate Academic Studies		
							tware Engineering and Information Technologies - Indergraduate Academic Studies		
2.	EE204	Select	ed Chanter	s in Mathematics			easurement and Control Engineering, luate Academic Studies		
		201000				Èngineerin	er, Electronic and Telecommunication ng, Undergraduate Academic Studies		
3.	E102	Mathe	matical Ana	Ilvsis 1		(ES0) Power Software Engineering, Undergraduate Academic Studies			
		maaro				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
4.	E102A	Mathe	matical Ana	Ilysis 1		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
5.	IM1423	Financ	ial Mathem	atics		(I20) Engineering Management, Undergraduate Academic Studies			
6.	0M501	Functio	onal Analys	is		(OM1) Mathematics in Engineering, Master Academic Studies			
7.	0ML501	Functio	onal Analys	is		(OM1) Mathematics in Engineering, Master Academic Studies			
						Èngineerin	ver, Electronic and Telecommunication Ig, Specialised Academic Studies		
	D70/11/2	.					strial Engineering, Specialised Academic Studies		
8.	DZ01MS	Selected Chapters in Mathematics			(I22) Engi Studies	neering Management, Specialised Academic			
						(Z00) Environmental Engineering, Specialised Academic Studies			
9.	1004/S	Statisti	ical Quantit	ative Methods		(I20) Engi Studies	neering Management, Specialised Professional		
у.	100-70	Statistical Quantitative Methods			(IB0) Engineering Management - MBA, Specialised Professional Studies				
10.	GS012	Select	ed Chapters	s in Mathematics		Studies	ergy Efficiency in Buildings, Specialised Academic		
11.	MPK001	Statistical and Numerical Methods			naziv na ei	tenjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies			
12.	SDOM3 0	Probability, Statistics and Theory of Engine Experiment			ering	(Z00) Environmental Engineering, Specialised Academic Studies			
13.	D0M01	Functio	onal Analys	is 1		(OM1) Mathematics in Engineering, Doctoral Academic Studies			
14.	D0M19	Functio	onal Analys	is 2		(OM1) Ma Studies	thematics in Engineering, Doctoral Academic		



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





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	of courses b	eing held by the teacher in the accred	dited study programme	es		
	ID	Course name		Study programme name, study type		
15.	DOM30	Probability, Statistics and Theory of Experiment	Engineering	 (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies 		
16.	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 (120) 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 		
Ť		refferences (minimum 5, not more th	,	(Z01) Safety at Work, Doctoral Academic Studies		
1. 2.	of Pure a	nd Applied mathematics 20 (4) 1989.	, 334-340.	TN (Edicija tehničke nauke-udžbenici), Novi Sad, 1996., 1-		
3.		vić, N. Ralević, Funkcionalna analiza 004., 1-203.	,FTN (Edicija tehničke	e nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno		
4.	I. Kovače			natička analiza 1- uvodni pojmovi i granični procesi benici) Novi Sad, 2012,1-155.		
5.				matička analiza 1 - diferencijalni i integralni račun, obične ja tehničke nauke-udžbenici), Novi Sad,2012., 1-280.		
6.	I. Kovače	vić, Algebra, Naučna knjiga, Beograd	, 1990., 1-116.			
7.		vić, N.Ralević, V.MarićV.Ćurić, Integra , 2012, 1-191	ali funkcija više prome	nljivih i teorija polja, FTN (Edicija tehničke nauke-udžbenici),		
8.	I.Kovačev	vić, Some properties of Mn subsets a	nd almost closed map	pings, Indian J.pure appl. Math., 27(9), 1996., 875-881.		
9.		vić, On almost closed mapping, parac tics,25(9), 1994., 949-954.	ompactness and parti	al equivalence relatuions, Indian Journal of Pure and Applied		
10.	Kiurski J., Oros I., Ralević N., Kovačević I., Adamović (Majkić) S., Krstić J., Čomić L.: Cluster and principal component analysis in					
Sur	nmary data	for teacher's scientific or art and profe	· · · · ·			
	ation total :		28			
		CI) list papers :	7 Demostie :			
Curre	ent projects	:	Domestic :	3 International : 2		





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Kovačević V. Jelena			
Academic title:					Assistant Professor			
					Faculty of Technical Sciences - Novi Sad			
					01.12.1999			
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:	2011	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering and Computer Communication	
PhD	thesis		2010				Computer Engineering and Computer Communication	
PhD	thesis		2010	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering and Computer Communication	
Magi	ster thesis		2003	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering and Computer Communication	
Bach	elor's thesis	8	1997	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering and Computer Communication	
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	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	RT44		rabitaatura	and Algorithms 1			asurement and Control Engineering, luate Academic Studies	
1.	R144	DSP Architecture and Algorithms 1			(SE0) Software Engineering and Information Technologie Undergraduate Academic Studies			
						(SEL) Software Engineering and Information Technolog Loznica, Undergraduate Academic Studies		
						(E20) Computing and Control Engineering, Undergradu Academic Studies		
2.	RT46	DSP Architecture and Algorithms 2				 (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 		
2.	11140							
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	RT52	Dedica	ated Compu	iter Structure Design 2		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
							tware Engineering and Information Technologies, uate Academic Studies	
4.	IGB340	Funda	mentals of	Engineering Animation		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
5.	EK465	Archite	ectures of d	igital signal processors			er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
6.	RT59	Real-T	ime Svsten	n Desian		Academic		
<u> </u>			Real-Time System Design			Master Aca	tware Engineering and Information Technologies, ademic Studies	
						Engineerin	er, Electronic and Telecommunication g, Master Academic Studies	
7.	RT511			puter engineering and con	nputer	Academic		
		comm	unications			Master Aca	tware Engineering and Information Technologies, ademic Studies	
8.	DRT06	Select	ed chapters	on DSP systems		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	

UNIVERSITY	OF	NOVI	SAD





Study Programme Accreditation

Rep	Representative refferences (minimum 5, not more than 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, Temeri Range Wireless Networks", International Confe IEEE Consumer Electronic Society, 2009.							
3.	Simic Dragan, Lukac Zeljko, Stefanovic Dejan, interpolative voice codec with aspect to very lo technology, electronics and microelectronics, C Microelectronics And Electronics, ISBN: 953-2	w bit-rates" MIPRO - I Croatian Society For M	International cor	vention on information a	and communication			
4.	Jovanovic Marija, Kovacevic Jelena, "Partitioni Eastern European Conference on the Enginee Izdavac: IEEE, 2009.							
5.	Jovanovic Marija, Sajic Dejan, Kovacevic Jeler two cores", International Conference on Digital							
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 Statistical Approach to Model-Based Robustness Testing", 14th Annual IEEE International Conference and Workshop on Engineering of Computer Based Systems, str: 485 – 494, ISBN: 0-7695-2772-8, Izdavac: IEEE, 2007. 							
8.	8. Djukic Miodrag, Četic Nenad, Kovačević Jelena, Popovic Miroslav, "A C Compiler Based Methodology For Implementing Audio DSP Applications on a Class of Embedded Systems", ISCE, IEEE, ISBN: 978-1-4244-2422-1, 2008.							
9.	9. Gajic Marko, Kovacevic Jelena, Petrovic Djordje, Temerinac Miodrag, Teslic Nikola, "A SMART POST PROCESSING ALGORITHM FOR REMOVING AUDIO DISTORTION" IBC 2011, Amsterdam Vol., Nr., Str.0-0, ISBN:, ISSN:, Izdavac: 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 							
Summary data for teacher's scientific or art and professional activity:								
Quot	ation total :	0						
	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

Computing and Control Engineering

Name and last name:					Kovačević D. Aleksandar				
Academic title:			Assistant Professor						
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad						
starting date:			15.07.2007						
Scientific or art field:			Applied Computer Science and Informatics						
Academic carieer Year Institution				Institution	Field				
Acad	emic title el	ection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics		
PhD	thesis		2011	Faculty of Technical Sci			Informatics		
Magi	ster thesis		2006	Faculty of Technical Sci	ences - Novi S	ad	Informatics		
Bach	elor's thesis	S	2003	Faculty of Sciences - No	ovi Sad				
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es	•		
	ID	Course	e name			Study pro	gramme name, study type		
1.	E2K42	Knowl	edae Baser	1 Sveteme		Academic (SE0) Sof	tware Engineering and Information Technologies,		
1.		Knowledge Based Systems				Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies -			
2.	ISIT03	Introdu	uction to Pro	ogramming		(SII) Softw	.oznica, Undergraduate Academic Studies SII) Software and Information Technologies (Inđija), Indergraduate Professional Studies		
3.	ISIT27	Osnov	e softverski	ih arhitektura			(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
4.	ISIT29	XML Technologies					SII) Software and Information Technologies (Inđija), Jndergraduate Professional Studies		
5.	ISIT47	E-learning tools and technologies					SII) Software and Information Technologies (Inđija), Indergraduate Professional Studies		
6.	GI111	Information technologies in geodesy				(GI0) Geo Studies			
7. SES203		Machine Learning		Undergraduate Academic Studies					
						Loznića, U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
8.	E2503	Data N	/lining and [Data Analysis Systems		(E20) Computing and Control Engineering, Master Academic Studies			
						Master Aca	tware Engineering and Information Technologies, ademic Studies		
9.	E2514	i14 Biologicaly inspired computing			(E20) Computing and Control Engineering, Master Academic Studies				
						(SE0) Software Engineering and Information Technologies, Master Academic Studies			
10.	GS014	The application of information technologies efficiency			in energy	Studies	ergy Efficiency in Buildings, Specialised Academic		
11.	E2524	24 Text Mining			(E20) Computing and Control Engineering, MasterAcademic Studies(SE0) Software Engineering and Information Technologies.				
					(SL0) Software Engineering and mormation recimologies, Master Academic Studies (E20) Computing and Control Engineering, Master				
12.	E2527	Business Intelligence			Academic	Academic Studies (SE0) Software Engineering and Information Technologies,			
12	SEMOOF	Decision Support Systems				Master Academic Studies (SE0) Software Engineering and Information Technologies			
13.	SEM005	Decisi	on Support	oysiems		Master Academic Studies (E20) Computing and Control Engineering, Doctoral			
14.	DRNI07	Selected Chapters in Computational Intellig			gence	Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic			
15.	DRNI14	Selected Chapters in Machine Learning				Studies (E20) Con Academic	nputing and Control Engineering, Doctoral		



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

Study Programme Accreditation



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- Conference on Industrial Systems, Herceg Nov		ed Audio Retriev	al". In Proceedings of the f	13th Scientific			
4.	Kovačević A., Milosavljević, B., Konjović, Z. "T 2006, Kopaonik, Srbija, 2006. ISBN: 86-85525		pina za pretraživa	nje zvučnih zapisa". Zborr	ik radova YUInfo			
5.	Kovačević, A., Milosavljević, B., Konjović, Z., a Multimedia Tools and Applications, 47(3) (May 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 N. "Computer Based Emulation of Power Electronics Hardware", In Proceedings of the First IEEE Eastern European Conference on the Engineering of Computer Based Systems, Novi Sad, Serbia, pages 56-64, 2009. ISBN: 978-0-7695-3759-7. M33							
9.	 Slivka, J. Kovačević, A., Konjović, Z., 2010. "Co-training based algorithm for datasets without the natural feature split." In Proceedings of the 8th International Symposium on Intelligent Systems and Informatics, Subotica, Serbia, 279-284, 2010. ISBN: 978-1-4244-7395-3. M33 							
 Miljković, D., Gajić, Lj., Kovačević, A., Konjović, Z., 2010. The use of data mining for basketball matches outcomes prediction. In Proceedings of the 8th International Symposium on Intelligent Systems and Informatics, Subotica, Serbia, 2010. 309-312. ISBN: 978-1-4244-7395-3. M33. 								
Summary data for teacher's scientific or art and professional activity:								
Quot	tation total :	12						
Total of SCI(SSCI) list papers : 3								
Curre	ent projects :	Domestic :	2	International :	0			





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nam	e and last n	ame.					nan		
Name and last name: Academic title:				Kukolj D. Dragan Full Professor					
Academic title: Name of the institution where the teacher works full time and			_						
starting date:			~…~⊢	01.05.1983					
Scientific or art field:						gineering ar	nd Computer Communication		
Academic carieer Year Institution						-	Field		
Academic title election: 2003 Faculty of Technical Scie			Scie	iences - Novi Sad		Computer Engineering and Computer Communication			
PhD	thesis		1993	Faculty of Technical	Scie	ences - Novi Sad		Electrical and Computer Engineering	
Magi	ister thesis		1988	Faculty of Technical	Scie	ences - Novi Sa	ad Electrical and Computer Engineering		
Bach	nelor's thesis	S	1982	Faculty of Technical	Scie	nces - Novi Sad Electrical and Computer Engineering		Electrical and Computer Engineering	
List o	of courses b	eing he	ld by the te	acher in the accredited	d stu	dy programme	s		
	ID	Course	e name				Study pro	gramme name, study type	
1.	RT43 Engineering of Computer Based Systems				(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies,				
							Undergrad	uate Academic Studies	
							Academic		
2.	RT59	RT59 Real-Time System Design				(MR0) Measurement and Control Engineering, Master Academic Studies			
						(SE0) Software Engineering and Information Technologies, Master Academic Studies			
						(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
3.	3. RT511 Practicum in computer engineering and com			com	puter	Academic	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies		
	communications						Master Aca	tware Engineering and Information Technologies, ademic Studies	
4.	DRT09			elligence Based Syste			(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
Rep			,	num 5, not more than	,		· · · - ·		
1.	34, No. 1	, Februa	ary 2004, pj	p.272-282.				gi-Sugeno Fuzzy Model, IEEE SMC-part B, Vol.	
2.	120, No. 1, May 2001, pp. 17-34.								
3.	Intelligence, Vol. 14, no. 6, 2001, pp. 785-803.								
4.	Journal, Vol. 37, No. 7, 2006, pp. 779-790.								
5.	International Journal, Vol. 31, No. 7, 2000, pp. 749-761.								
6.	6. D. Kukolj, D. Popovic, M. Borota, Applied Unsupervised Learning in Model Reduction of Linear Dynamic Systems, Computers & Mathematics with Applications, Vol.33, No. 3, 1997, pp.95-103.								
7.	7. D. Kukolj, ALGORITMI MREŽNOG PROGRAMIRANJA, Univerzitet u Novom Sadu, Novi Sad, 2001.								
8.	8. D. Kukolj, F. Kulić, PROJEKTOVANJE SISTEMA AUTOMATSKOG UPRAVLJANJA U PROSTORU STANJA, Univerzitet u Novom Sadu, Novi Sad, 1995.								
9.	9. Kukolj D., Bengin V., Kulic F., OSNOVI KLASICNE TEORIJE AUTOMATSKOG UPRAVLJANJA kroz resene probleme, Somel, Sombor, 1995								
10. D. Kukolj, Sistemi zasnovani na računarskoj inteligenciji, monografija 26, FTN, Novi Sad, 2007.									
Summary data for teacher's scientific or art and professional activity:									
	tation total :			50					
Total of SCI(SSCI) list papers : 15									
Curre	ent projects	:		Do	omes	stic :	1	International : 1	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Kulić J. Filip			
Academic title:					Associate Professor			
					Faculty of Technical Sciences - Novi Sad			
					01.09.1994			
Scier	ntific or art f	ield:			Automatic Co	ntrol and Sy	ystem Engineering	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	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	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	1994	Faculty of Technical Sci	ences - Novi S	ad	Electroenergetics	
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) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	AU44	Contro	I Systems	Design			asurement and Control Engineering, luate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(H00) Med	chatronics, Undergraduate Academic Studies	
2.	E226	E226 Automatic Control Systems				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
						(BM0) Biomedical Engineering, Undergraduate Academic Studies		
3.	E238A	Contro	ol Systems	Technology		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
4.	EEI302	Syster	ns of Auton	natic Control in Power Eng	nineering	(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
ч.	LLIOUZ	Oyster			gineering		er, Electronic and Telecommunication g, Undergraduate Academic Studies	
5.	H1405	Optimi	zation Meth	nods		(H00) Mechatronics, Undergraduate Academic Studies		
6.	H302	Contro	I Systems	2		(H00) Mechatronics, Undergraduate Academic Studies		
7.	M325	Autom	atic Contro	Systems		(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
8.	BMI125	Biological Control Systems				(BM0) Biomedical Engineering, Undergraduate Academic Studies		
		2315 Electrical Machines in Automatic Control Systems				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
9.	E2315				/stems		asurement and Control Engineering, luate Academic Studies	
							er, Electronic and Telecommunication g, Undergraduate Academic Studies	
10.	EMSAU 1	Autom	atic Contro	Systems in Electronics		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
11.	SEAU01	Nonlin	ear prograr	nming and evolutionary co	omputations	(SE0) Software Engineering and Information Technologies Undergraduate Academic Studies		
12.	SEAU03	Real-ti	me control	algorithms		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
13.	DE410S	Select	ed Topics i	n the Field of Automatic C	ontrol		ver, Electronic and Telecommunication Ig, Specialised Academic Studies	

STAS STUDIO

List

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

	n the accredited stud	

LIST	or courses b	eing held by the teacher in the accredited study programm	
	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	DE 110	Coloring Taxias is the Field of Automatic Control	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
19.	DE410	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
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
20.	SID04	Current State in the Field	(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	oresentative	e refferences (minimum 5, not more than 10)	
1.		Kukolj, Vesna Bengin, Filip Kulić: Osnovi klasične teorije au 1str., UDK: 681.5(075.8),	tomatskog upravljanja kroz rešene probleme, Sombor, Somel,
2.		Kukolj, Filip Kulić: Projektovanje sistema automatskog uprav 2str., UDK: 681.5(075.8),	vljanja u prostoru stanja, Novi Sad, Fakulet tehničkih nauka,
3.	D.Kukolj,	F.Kulić, E.Levi: Design Of The Speed Controller For Sense tive Study, Artificial Intelligence in Engineering, 2000, Vol.	•
4.	D.Kukolj,		ide Range Fuzzy Logic Controller, Fuzzy Sets and Systems,
5.	D.Kukolj,		hanges and Critical Load Levels of a Power System by Means 1997, Vol. 25, No. 8, str. 917- 926, ISSN 0731-356x.
6.	D.Kukolj,	D.Popović, F.Kulić, Z.Gorečan: Fast Dynamic Stability Ana n Transactions on Electrical Power (ETEP), 1998, Vol. 8, N	alysis of a Power System Using Artificial Neural Networks,
7.	D.Popovi	ć, D.Kukolj, F.Kulić: Monitoring and Assessment of Voltage Input Set, IEE ProcGener. Transm. Distrib, 1998, Vol. 14	Stability Margins Using Artificial Neural Networks with a



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



Study Programme Accreditation

Representative refferences	(minimum 5, not more than 10)
representative renerences	(minimum o, not more than 10)

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.	Ilić 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							
Summary data for teacher's scientific or art and professional activity:								
Quo	tation total :	32						
Tota	l of SCI(SSCI) list papers :	12						
Curr	ent projects :	Domestic :	2	International :	0			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Ku						Kupusinac D. Aleksandar			
						Assistant Professor			
					0 0 0 0	Faculty of Technical Sciences - Novi Sad			
					e anu	01.04.2007			
Scier	ntific or art f	ield:				Applied Comp	outer Sciend	ce and Informatics	
Acad	emic cariee	er	Year	Institution				Field	
Acad	emic title el	ection:	2011	Faculty of Technic	al Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
PhD	thesis		2010	Faculty of Technica	al Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
Magi	ster thesis		2008	Faculty of Technic	al Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
Bach	elor's thesis	S	2005	Faculty of Technic	al Sci	ences - Novi Sa	ad	Electrical and Computer Engineering	
List c	of courses b	eing he	ld by the te	acher in the accredit	ed stu	udy programme	s		
	ID	Course	e name				Study pro	ogramme name, study type	
1.	E131	Object		Programming				asurement and Control Engineering, luate Academic Studies	
1.	LIJI	Object	-Onented P	Togramming				er, Electronic and Telecommunication g, Undergraduate Academic Studies	
							(E20) Con Academic	nputing and Control Engineering, Undergraduate	
2.	E223A	Object	Programm	ning				ver Software Engineering, Undergraduate	
3.	EOS36	36 Elektronsko poslovanje i ugovaranje					E01) Power Engineering - Renewble Sources of Electrical nergy, Undergraduate Professional Studies		
4.	SZP01	SZP01 Selected topics in Information technologies					(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies		
							(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
5.	DRNI01	Select	ed Topics i	n Computer Program	nming				
							COM1) Ma	thematics in Engineering, Doctoral Academic	
Rep	oresentative	reffere	nces (minir	num 5, not more than	n 10)				
1.	Kupusina	c A.: Zb	oirka rešeni	h zadataka iz progra	msko	g jezika C++. N	lovi Sad: FT	⁻ N, 2011.	
2.				Popov S.: The Impa 11, Vol. 6, No 4, pp.				bility of C Programs, TTEM. Tehnics tehnologies	
3.	Debromirov D. Badišić M. Kupusinac A. Emerging markets arbitrages' perception. Pisk versus growth potential. African Journal								
4.	IS, Novi S	Sad, 14-	16 Septem	bar, 2011, pp. 177-1	80, IS	BN 978-86-78	92-341-8	al Scientific Conference on Industrial Systems -	
5.	Conferen	ce on Ir	ndustrial Sy	stems - IS, Novi Sad	I , 14-1	16 Septembar,	2011, pp. 18	eptual Definitions, 15. International Scientific 81-185, ISBN 978-86-7892-341-8	
6.	Untersch	iede zw	ischen dem	n Bosnischen/ Bosnia	akisch	en, Kroatische	n und Serbi	nguage based on decision trees, 3. Die schen, Graz, 16-18 April, 2009, pp. 229-240	
7.	Language	e, Beogi	rad: IEPSP	, LAAC, 13-14 Nover	mbar,	2009, pp. 324-	-333, ISBN 9		
8.	Conf. on	Comput		elligence, Man-Machi				ging For Serbian Language, 8. WSEAS Intnl. IMMACS), Peurto de la Cruz: Tenerife, Spain, 14-	
9.			ousinac A.: 1 2217-830	• •	nvaria	nt, Technology	education	Management Informatics - TEM, 2012, Vol. 1, No	
10.	2012, Vo	l. 1, No	2, pp. 72-7	7, ISŚN 2217-8309			nulas, Tech	nology Education Management Informatics - TEM,	
	•	for teac	cher's scien	tific or art and profes		I activity:			
	ation total :	21) 11-4			0				
	of SCI(SS	, .	apers :		1 Dome	etic ·	2	International : 0	
Current projects : Domestic : 2 International : 0									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Lendak I. Imre			
Academic title:					Lendak I. Imre Assistant Professor			
Name of the institution where the teacher works full time and								
					01.02.2005			
Scier	ntific or art f	ield:				ntrol and Sy	ystem Engineering	
Acad	emic caries	er	Year	Institution			Field	
Acad	emic title e	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 te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
						Academic		
						Académic		
1.	E232	Svster	n Modelina	and Simulation		Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
		System Modeling and Simulation				Undergrad	asurement and Control Engineering, luate Academic Studies	
						Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
2.	GI303A	Distributed Systems in Geomatics				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
3.	E2312	E2312 Software design for SCADA systems				Academic		
		Software design for SCADA systems				(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
4.	ESI003	Electri	c power sof	tware development		(ES0) Power Software Engineering, Undergraduate Academic Studies		
5.	ESI011	Softwa	are security	and safety in power engir	neering	(ES0) Power Software Engineering, Undergraduate Academic Studies		
6.	ESI016	Smart	Grid Progra	amming		(ES0) Power Software Engineering, Undergraduate Academic Studies		
7.	ESI017	Mobile	computing	in power systems		(ES0) Power Software Engineering, Undergraduate Academic Studies		
8.	SEAU02	SCAD	A Software			Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						Académic		
9.	AU502	Distributed Control Systems				Academic		
						Èngineerin	er, Electronic and Telecommunication g, Master Academic Studies	
10.	S054	Computer Modelling and Simulation				Àcadémic		
11.	BMIM3D	Develo	opment of ir	ntegrated biomedical syste	ems		medical Engineering, Master Academic Studies	
12.	E2533	Discre	te event sin	nulation		(E20) Computing and Control Engineering, Master Academic Studies		
13.	E2535			ms in Supervisory Control	and Data	Académic		
	_2000	Acquis	ition Syster	ms		(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
14.	ESI033	Advan	ced Power	Grid Communication Prot	ocols	(ES0) Pov Studies	ver Software Engineering, Master Academic	

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

			programme

List c	of courses b	eing held by the teacher in the accred	lited study programme	S				
	ID	Course name		Study programme name, study type				
15.	ESI037	Smart Grid security and safety		(ES0) Power So Studies	oftware Engineering, Master	Academic		
16.	ESI038	Service oriented architectures in Sm	art Grid	(ES0) Power So Studies	oftware Engineering, Master	Academic		
17.	SEAM03	Software Algorithms in Supervisory Acquisition Systems	Control and Data	(SE0) Software Master Academi	Engineering and Informatior c Studies	n Technologies,		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.	1. Lendak I., Erdeljan A. & Popović D. (2011), "Algorithm for cataloguing topologies in the Common Information Model (CIM)", Computers and mathematics with applications, February 2011, vol 61 (3), pp. 715-721. DOI 10.1016/j.camwa.2010.12.021							
2.	Vukmirović S., Erdeljan A., Čapko D., Lendak I., Nedić N. (2011), "Optimization of workflow scheduling in Utility Management							
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. Erdelian A. Lendak I. & Canko D. (2012). Unifying the Common Information Model (CIM) ⁴ Revue Roumaine des							
5.	Vukmirovic S. Erdelian A. Lendak I. & Canko D. (2012). "Ontimal Workflow Scheduling in Critical Infrastructure Systems with							
6.	Čanko D. Erdolian A. Vukmirović S. & Londak L. (2011). A Hybrid Constitution for Partitioning of Data Model in Distribution							
7.	Vukmirović S. Erdelian A. Lendak J. & Čanko D. (2011). Extension of the Common Information Model with Virtual Meter"							
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.	Nodić N. Vukmirović S. Erdolion A. Londak I. 8. Čanko D. (2010). A gonotic algorithm approach for utility management system							
10.	Erdelian A. Londek I. Vukmirović S. 8. Čanko D. (2007). Otvorona softvorska arbitektura za modeliranje, simulaciju i upravljanje							
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		25					
Total	of SCI(SS	CI) list papers :	9					
Curre	urrent projects : Domestic : 1 International : 1							



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:						islava		
					Ličen S. Branislava Lecturer			
					Faculty of Technical Sciences - Novi Sad			
	ng date:				07.04.2005			
Scier	ntific or art f	ield:			English			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	English	
Bach	elor's thesis	S	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	e name			Study pro	gramme name, study type	
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arch	hitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	e intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arch	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(F10) Eng Studies	ineering Animation, Undergraduate Academic	
5.	E21I0	Izborni strani jezik 1				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
						(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(G00) Civi	il Engineering, Undergraduate Academic Studies	
							chanization and Construction Engineering, luate Academic Studies	
		English Language – Elementary				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
6.	EJ01L					(M40) Teo Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
						(S00) Traf Academic	ffic and Transport Engineering, Undergraduate Studies	
						(S01) Pos Undergrad	tal Traffic and Telecommunications, luate Academic Studies	
							ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
							asurement and Control Engineering, luate Academic Studies	
7.	EJ01Z	Englis	h Language	e - Elementary		(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, luate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	

ASTAS STUDIORUM

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	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
			(I10) Industrial Engineering, Undergraduate Academic Studies
	9. EJ02Z	English Language – Pre-Intermediate	(I20) Engineering Management, Undergraduate Academic Studies
9.		English Language – Pre-Internediate	(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
10.	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
11			(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

AND AROSALINA STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

ZE	Accreditation				
24	LANTEN	UNDERGRADUATE ACADEMIC STUDIES	Computing and Control Engineering		
List o	of courses b	eing held by the teacher in the accredited study programme	es		
	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		
			(E20) Computing and Control Engineering, Undergraduate Academic Studies		
			(F10) Engineering Animation, Undergraduate Academic Studies		
15.	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		
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.	EJM	English Language – ESP Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies		
	_0.07	<u> </u>	(M40) Technical Mechanics and Technical Design,		

EJPST

EJSIT

25

26

English Language in Postal Traffic

English Language in Traffic and Transport

Undergraduate Academic Studies

Undergraduate Academic Studies

Studies

Academic Studies

(P00) Production Engineering, Undergraduate Academic

(S00) Traffic and Transport Engineering, Undergraduate

(S01) Postal Traffic and Telecommunications,

SITAS STUD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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List o	List of courses being held by the teacher in the accredited study programmes										
	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								
35.	EJIIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies								
- 55.	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								
		English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies								
			(F10) Engineering Animation, Undergraduate Academic Studies								
40.	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								
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								

STAS STUDIO			UNIVERSITY OF NC	OVI SAD		UNUKHX Hav			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
U.V.	Son Car	Study F	Study Programme Accreditation						
04	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	HO			
List o	of courses b	eing held by the teacher in the accred	dited study programm	es					
	ID	Course name		Study program	nme name, study type				
45.	NIT03	Business English			Engineering - Advanced E Aaster Academic Studies	ngineering			
Rep	oresentative	refferences (minimum 5, not more th	an 10)						
1.	"Formal and Aesthetic Aspects of Nadine Gordimer's Short Story", Romanian Journal of English Studies, University of the West Timisoara, br. 7, 2010., str.191-198.								
2.	''Summar Beogradu	ization Skills of Engineering Students I, 2011., str. 291-299.	' Reading in a Secon	d Language", Jez	ik struke, izazovi i perspekt	ive, Univerzitet u			
3.		e, Ethnicity and Gender in Nadine Go USSE Conference, Pecs, 2010., str. 2		ther Stories", Sele	ected Papers in Literature a	nd Culture from			
4.		the Interregnum: Nadine Gordimer's d American Studies, University of th				Conference on			
5.	"Preispiti	vanje istorijskog konteksta u Barnsov	om romanu Floberov	papagaj", Sveske	e, br.100, Pančevo, jun 201	1., str. 69-77.			
6.	"Kreiranie udžbenika za stručni engleski jezik za studente različitog predznanja". Jezik struke, teorija i praksa. Univerzitet u								
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.	8. Zajednica i pojedinac u delima Toni Morison u romanima Najplavlje oko, Sula, Voljena i Katreno luče, 2009.								
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
	ation total :		0						
Total of SCI(SSCI) list papers : 0									
Curre	Current projects : Domestic : 0 International : 0								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:						Lukić J. Tibor		
Academic title:					Assistant Professor			
Name of the institution where the teacher works full time and starting date:								
	ntific or art f	ield:			Mathematics			
	emic cariee		Year	Institution			Field	
Acad	emic title el	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics	
PhD	thesis		2011	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics	
Magi	ster thesis		2004	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesis	S	1998	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List c	of courses b	eing he	Id by the te	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	alysis 1			tware Engineering and Information Technologies, uate Academic Studies	
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	E213				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
<u>∠</u> .	LZIJ	3 Discrete Mathematics and Linear Algebra				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
3.	E221A	Mathe	matical Ana	alveis 2		(E20) Computing and Control Engineering, Undergraduate Academic Studies		
J.		maure		11y010 L		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
4.	IAM004	Geom	etry of Disc	rete Space		(F10) Engineering Animation, Undergraduate Academic Studies		
							chanization and Construction Engineering, luate Academic Studies	
5.	M106	Mathematics 2			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
							chnical Mechanics and Technical Design, uate Academic Studies	
						Studies	duction Engineering, Undergraduate Academic	
6.	M4201	Mathe	matics 3			Academic		
<u> </u>						(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
7.	M4202	Applie	d Mathema	tical Analysis		Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
							ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
8.	Z104	Mathe	matics 1				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

UNDERGRADUATE ACADEMIC STUDIES

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

List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study program	me name, study type				
				(Z01) Safety at	Work, Undergraduate Acade	emic Studies			
			(ZC0) Clean Energy Technologies, Under Academic Studies			aduate			
9.	Z106	Mathematics 2			Risk Management and Fire S Academic Studies	Safety,			
				(Z20) Environme Studies	ental Engineering, Undergrad	duate Academic			
10.	E101	Discrete Mathematics		(ES0) Power So Academic Studie	oftware Engineering, Underg es	raduate			
11.	ISIT02	Mathematics 1			nd Information Technologies Professional Studies	s (Inđija),			
12.	Z104	Matematika 1(uneti naziv na englesł	kom)	(Z20) Environme Studies	ental Engineering, Undergrad	duate Academic			
13.	Z106	Matematika 2(uneti naziv na englesł	kom)	(Z20) Environme Studies	ental Engineering, Undergrad	duate Academic			
14.	0ML503	Combinatorics and Graph Theory		(OM1) Mathema Studies	atics in Engineering, Master	Academic			
15.	0ML507	Logic in computer science		(OM1) Mathema Studies	atics in Engineering, Master	Academic			
16.	IA022	Numerical Optimization		(F20) Engineeri	ng Animation, Master Acade	mic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.		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.		indblad, Nata sa Sladoje, and Tibor L Verlag, Volume 4245,of Lecture Note				ce Approach,			
3.		ic, Natasa Sladoje, and Joakim Lindb Verlag, Volume 5096 of Lecture Note				ent Optimization,			
4.		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 Jou	rnal of			
5.		ic, Neboj sa M. Ralevic and Aniko Lu ngs of 4th Serbian-Hungarian Joint Sy				Equations,			
6.		ic and Neboj sa M. Ralevic, Newton"s ngs of 3rd Serbian-Hungarian Joint S				n Operator,			
7.	ing Base	ic, Joakim Lindblad, and Natasa Slad d on Spectral Gradient Optimization, I ishing, 2011.							
8.		Energy-minimization based Discrete ⁻ uter Science, LNCS, 2012	Tomography Reconstr	uction Method for	Images on Triangular Grid,	Lecture Notes			
9.	Reconstr natorial li	ic, Benedek Nagy, Energy-minimizati uction Method for Images on Triangul mage Analysis - 15th International Wo CS, Vol. 7655, Springer-Verlag, pp. 2	ar Grid, Proceedings o orkshop (IWCIA), Austi	of Combi-					
10.		uzanin and Tibor Lukic, Convergence ovi Sad Journal of Mathematics, Vol. 3		t singular					
		for teacher's scientific or art and profe	essional activity:						
	ation total :		0						
	,	CI) list papers :	8	-		1			
Curre	ent projects		Domestic :	2	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

NI									
	e and last n	ame:			Luković S. Ivan				
Academic title: Name of the institution where the teacher works full time and					Full Professor Faculty of Technical Sciences - Novi Sad				
	e of the inst ng date:	itution v	vnere the te	acher works full time and	18.05.1991				
Scientific or art field:					Applied Computer Science and Informatics				
	emic cariee		Year	Institution		Ster Colorit	Field		
	emic title el		2006	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics		
	thesis	cotion.	1996	Faculty of Technical Sci			Applied Computer Science and Informatics		
	ster thesis		1993	School of Electrical Eng			Applied Computer Science and Informatics		
	elor's thesis		1990	Military-Technical Facult		iuu	Applied Computer Science and Informatics		
				acher in the accredited stu	<u>, , , , , , , , , , , , , , , , , , , </u>		Applied Computer Science and mornalies		
						.5			
	ID	Course	e name			Study pro	gramme name, study type		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	E2I40	Databa	aca Svetam	c			asurement and Control Engineering, uate Academic Studies		
, ı.	∟∠140	DataDa	ase System	J			tware Engineering and Information Technologies, uate Academic Studies		
							tware Engineering and Information Technologies - ndergraduate Academic Studies		
2.	E2144	Inform	ation Supta	m Engineering		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
<u>∠</u> .	E2I41			m Engineering		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
3.	GI205	Inform	ation Syste	ms and Databases		(GI0) Geo Studies	eodesy and Geomatics, Undergraduate Academic		
4.	GI408A	Geospatial Databases				(GI0) Geo Studies	Geodesy and Geomatics, Undergraduate Academic		
						(E20) Computing and Control Engineering, Undergraduate Academic Studies			
5.	RI43A	Databa	Databases 1			(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
							asurement and Control Engineering, uate Academic Studies		
6.	RI43B	Databa	2005 2			(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
0.	U49D	DataDa	1363 Z				tware Engineering and Information Technologies, uate Academic Studies		
7.	0RI43B	Databa	ases 2			(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
8.	BM118E	Databa	ases			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
9.	EE417A	Databa	ases				er, Electronic and Telecommunication g, Undergraduate Academic Studies		
10.	SE0013	Data C	Organizatior	1		Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
	020010					(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies			
11.	SE0016	Databa	ases			Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
	0_0010					(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies			
						Àcadémic			
12.	E2502	Data V	Varehouse	Systems		Master Aca	tware Engineering and Information Technologies, ademic Studies		
							er, Electronic and Telecommunication g, Master Academic Studies		



List

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

		-
of courses being held l	by the teacher in the accredited study programmes	

	ID	Course name		Study programme name, study type						
				(E20) Computing and Control Engineering, Master Academic Studies (ES0) Power Software Engineering, Master Academic						
				Studies						
13.	E2517	Database Management Systems		(MR0) Measurement and Control Engineering, Master Academic Studies						
				(SE0) Software Engineering and Information Technologies, Master Academic Studies						
				(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies						
				(E20) Computing and Control Engineering, Master Academic Studies						
14.	E2518	Software Based Business Process N	lodeling	(SE0) Software Engineering and Information Technologies, Master Academic Studies						
15.	E2530	Domain Specific Modeling and Lang	10000	(E20) Computing and Control Engineering, Master Academic Studies						
15.	E2550	Domain Specific Modeling and Lang	uages	(SE0) Software Engineering and Information Technologies, Master Academic Studies						
16.	DRNI02	Selected Topics in Advanced Softwa	are Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies						
17.	DRNI04	Selected Topics in Database Manag	ement	(E20) Computing and Control Engineering, Doctoral Academic Studies						
18.		Selected Topics in Software Standar	dization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies						
10.	DRNI05		rdization and Quality	(F20) Engineering Animation, Doctoral Academic Studies						
19.	DRNI08	Selected Topics in Information Syste	ems	(E20) Computing and Control Engineering, Doctoral Academic Studies						
Rep	oresentative	e refferences (minimum 5, not more th	an 10)							
1.	Developn		al Aspects of Domain-S	Model Based Approaches to Information System Specific Languages: Recent Developments; Chapter 17., IGI						
2.	Conferen	ce on Informatics, Herlany: Slovak Sc	ciety for Applied Cybe	ormations in Database Design, 10. International Scientific ernetics and Informatics and Technical University of Košice - 2009, pp. 9-18, ISBN 978-80-8086-126-1. (Invited paper).						
3.	Projects i	n Serbia, 9. International Business Inf /ienna: Austrian Computer Society an	formatics Conference	d Methods - Some Experiences from Industry and Research – Symposium on Business Informatics in Central and Eastern a, 25-27 Februar, 2009, pp. 119-128, ISBN 978-3-85403-242-						
4.	Related 1		A 2008), July 11, 2008	Systems using Form Types, 2nd Conference on Compilers, 3, Braganca, Portugal, Proceedings, Polytechnic Institute of						
5.		Luković I, Govedarica M: Principi proj ovi Sad, 2004, ISBN: 86-80249-81-5,		aka, II izdanje, Univerzitet u Novom Sadu, Fakultet tehničkih						
6.	Mogin P, 350 str.	Luković I: Principi baza podataka, Un	iverzitet u Novom Sac	du, Fakultet tehničkih nauka i MP "Stylos", Novi Sad, 1996,						
7.				Check Constraint PIM Specifications, COMPUTING AND 150, 2012, Vol. 31, No. 5, pp. 1045-1079.						
8.		and Experience, John Wiley & Sons Ir		g Complex Database Schemas Using Form Types", Software: SN: 0038-0644, DOI: 10.1002/spe.820, Vol. 37, No. 15, 2007,						
9.				el P.: A DSL for PIM Specifications: Design and Attribute Systems (ComSIS), ISSN 1820-0214, 2011, Vol. 8, No 2, pp.						
10.				a-Model and a Concrete DSL Syntax of IIS*Case PIM 214, 2012, Vol. 9, No 3, pp. 1075-1103.						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		22							
Tota	of SCI(SS	CI) list papers :	5							
Curre	Current projects : Domestic : 1 International : 0									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nam	o and last n	amo.			Malbaša D. Veliko				
Name and last name: Academic title:					Full Professor				
Name of the institution where the teacher works full time and starting date:					01.11.1979				
	ntific or art f	ield:			Electronics				
	emic carie		Year	Institution	Liectionics		Field		
	emic title el		1995	Faculty of Technical Sci	ences "Mihajlo	Pupin" in	Electronics		
PhD	thesis		1985	Zrenjanin - Zrenjanin Faculty of Technical Sci	ences - Novi Sa	ad	Electrical and Computer Engineering		
Magi	ster thesis		1981	School of Electrical Eng	ineering - Beog	Irad	Electrical and Computer Engineering		
Bach	elor's thesis	S	1975	School of Electrical Engi	ineering - Beog	rad	Electrical and Computer Engineering		
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es			
	ID		e name				gramme name, study type		
1.	E136	Introdu	uction to Mi	crocomputer Electronics			asurement and Control Engineering, uate Academic Studies		
						Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	E136d	Introdu	uction to Did	gital and Microcomputer E	lectronics	Undergrad	asurement and Control Engineering, uate Academic Studies		
				,		Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
3.	E222A	Electronics				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
4.	EM401	Real-Time Microcomputer Systems					0) Power, Electronic and Telecommunication gineering, Undergraduate Academic Studies		
5.	BMI103	Microp	processor S	ystems in Medicine		(BM0) Bio Studies	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
6.	EM300A	Microprocessor Electronics				 (H00) Mechatronics, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 			
7.	EM305A	Digital	Microcontr	ollers		(MR0) Me Undergrad (E10) Powe	asurement and Control Engineering, uate Academic Studies er, Electronic and Telecommunication g, Undergraduate Academic Studies		
8.	EM404A	Compu	uter Electro	nics		(E10) Pow	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
9.	ETI16	Microc	computer El	ectronics			ctronics and Telecommunications, Undergraduate		
10.	ETI24	Real T	ime Embec	lded Systems		(E02) Elect Profession	ctronics and Telecommunications, Undergraduate al Studies		
11.	DE100S		ed Topics in erification	n Formal Methods of Harw	vare Desing		ver, Electronic and Telecommunication g, Specialised Academic Studies		
12.	DE401S	Desigr	n of Applica	tion Specific Integrated Ci	rcuits		ver, Electronic and Telecommunication g, Specialised Academic Studies		
13.	SI012	Microprocessor Electronics					ver, Electronic and Telecommunication g, Specialised Professional Studies		
14.	SI025	Select	ed Topics ii	n Computer Electronics			ver, Electronic and Telecommunication g, Specialised Professional Studies		
15.	EM508	Desigr	n and Deve	lopment of Embedded Sol	ftware		er, Electronic and Telecommunication g, Master Academic Studies		
16.	DE100		ed Chapter and Verific	s in Formal Methods for H cation	lardware		ver, Electronic and Telecommunication g, Doctoral Academic Studies		
17.	DE401	ASIC [Design				ver, Electronic and Telecommunication g, Doctoral Academic Studies		
Rep	Representative refferences (minimum 5, not more than 10)								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Rep	Representative refferences (minimum 5, not more than 10)								
1.	Mezei I., Lukić M., Malbaša V., Stojmenović I.: Auctions and iMesh Based Task Assignment in Wireless Sensor and Actuator Networks, COMPUT COMMUN, 2012, ISSN 0140-3664. rad prihvaćen za štampanje								
2.	Mezei I., Malbaša V., Stojmenović I.: Greedy Extension of Localized Auction Based Protocols for Wireless Actuator Task Assignment, Ad Hoc & Sensor WirelessNetworks: An International Journal, 2012, rad prihvaćen za štampanje.								
3.	Mezei I., Malbaša V., Stojmenović I.: Robot to Robot: Communication Aspects of Coordination in Robot Wireless Networks, IEEE Robotics and Automation Magazine, 2010, Vol. 17, No 4, pp. 63-69, ISSN 1070-9932								
4.	Zoranović A., Stojanović G., Malbaša V.: Development of an MP3 player using an MP3 hardware decoder, International Journal of Electrical Engineering Education, 2010, Vol. 47, No 3, pp. 329-342, ISSN 0020-7209								
5.	Sešić A., Dautović S., Malbaša V.: Dynamic Power Management of a System with a Two-Priority Request Queue Using Probabilistic Model Checking , IEEE Trans. on CAD, 2008, 2008, Vol. 27, No 2, pp. 403-407, UDK: 10.1109/TCAD.2007.911342								
6.	Liu H., Malbaša V., Mezei I., Nayak A., Stojmenović I.: "Coordination in Sensor, Actuator and Robot Networks", In: Wireless Sensor and Actuator Networks: Algorithms and Protocols for Scalable Coordination and Data Communication, Wiley Blackwell, 2010, str. 233-262, ISBN 978-0-470-17082-3								
7.	V. Malbaša, "Mikroprocesori i mikroračunari", u	udžbenik, Fakultet teh	ničkih nauka, N	lovi Sad, 1992.					
8.	M. Manwaring, V. Malbaša, "An Architecture fo Math. Inform. 17 (2002), 97-128.	or Parallel Interpretation	on of Abstract M	lachine Languages", Facta	Universitatis, Ser.				
9.	V. Malbaša, M. Manwaring, "Pipelined Process and Energetics, Vol. 13, No.3, December 2000		arallel Interpreta	tion", Facta Universitatis, S	Series: Electronics				
10.	V. Malbaša, "A Multimicroprocessor System fo Jan. 1991, 31-40.	r Dynamic System Si	mulation," Int. J	ournal for Computer Simula	ation, Vol. 56, No.1,				
Sur	mmary data for teacher's scientific or art and profe	essional activity:							
Quot	ation total :	4							
Tota	l of SCI(SSCI) list papers :	3							
Curre	ent projects :	Domestic :	2	International :	1				



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

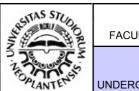


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	Name and last name: Academic title:					Malbaški T. Dušan			
				and a second	Full Professor Faculty of Technical Sciences - Novi Sad				
	e of the inst ng date:	itution v	vnere the te	acher works full time and	Faculty of Te 15.06.1975	Chinical Scie	IILES - INUVI JAU		
	ntific or art f	ield:				outer Scienc	ce and Informatics		
	lemic carie		Year	Institution	Field				
	emic title e		1997	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics		
	thesis		1986	Faculty of Technical Sci			Electrical and Computer Engineering		
	ster thesis		1980	School of Electrical Eng			Electrical and Computer Engineering		
	elor's thesis	s	1974	School of Electrical Eng	<u> </u>	,	Electrical and Computer Engineering		
List c	of courses b	eing he	Id by the te	acher in the accredited stu					
	ID	Course	e name			Study pro	gramme name, study type		
1.	E111	Progra	ammino I ar	guages and Data Structu	res	Èngineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies		
			y _u			Undergrad	asurement and Control Engineering, uate Academic Studies		
2.	E131	Object	-Oriented F	Programming		Undergrad	asurement and Control Engineering, uate Academic Studies		
						Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies nputing and Control Engineering, Undergraduate		
3.	E214	Progra	amming Lar	guages and Data Structur	res	Academic			
						Academic (E20) Con	Studies nputing and Control Engineering, Undergraduate		
4.	E223A	Object	Programm	ing		Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies			
							ineering Animation, Undergraduate Academic		
5.	H207	Progra	Programming and Programming Languages			(H00) Mechatronics, Undergraduate Academic Studies			
		5	-		(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
6.	GI111	Inform	ation techn	ologies in geodesy		(GI0) Geodesy and Geomatics, Undergraduate Academi Studies			
						(E20) Computing and Control Engineering, Doctoral Academic Studies			
7.	DRNI01	Select	Selected Topics in Computer Programming			l` í	chatronics, Doctoral Academic Studies		
						(OM1) Mathematics in Engineering, Doctoral Acade Studies			
8.	DRNI05	Select	ed Topics i	n Software Standardizatio	n and Quality	Académic			
Der	roportative	roffore	noon /minin	num E not more then 40		(F20) Eng	ineering Animation, Doctoral Academic Studies		
Rep 1.	(koautori	D.Obra	dović i V.Ma				n Improved Multimicroprocessor System", časopis menjen u Journal of Systems Architecture).		
2.	(koautori	J.Reke	cki i dr.): "A		chnological Pro		C Lathes by the Use of SAPOR-S System",		
3.	Malbaški	D., Kup	ousinac A., I		Coding Style or		bility of C Programs, TTEM. Tehnics tehnologies		
4.	(koautor	D.Ivetić)): "A Dichot		e Model", Jouri		d Systems Studies, Cambridge International		
5.	(koautori D.Obradović i V.Malbaša):: "Multimicroprocessor Performance VS Shared Bus Efficiency", ACM Europian Regional Conference, Florence, Italy, 1985.<\eng>								
6.	(koautor D.Ivetić): "Some Notes on the Formal Definition of Streams", YUJOR, Vol.6, No. 2, 1996.								
7.	(koautori	M.Khlai	f, D.Obrado	ović): "A New Approach to	Soft System M	lethodology	", Automatika, Vol 30. (1989), No. 1-2.		
	. (koautori M.Khlaif, D.Obradović): "A New Approach to Soft System Methodology", Automatika, Vol 30. (1989), No. 1-2.								



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



5	PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	-				
Re	Representative refferences (minimum 5, not more than 10)									
8.	8. (koautor D.Obradović): "CLAS-a Formal Aid to Data Elements Identification", časopis YUJOR, vol. 4, no. 2, 1994.									
9.	. (koautor D. Ivetić) "UML? HCI = Essential Modeling", IEEE 7th INES Conference, 4-6 March, Assuit-Luxor, Egypt, 2003.									
10.	(koautori B Macedonia	. Markoski, P. Hotomski): " Symboli , 2002	c Execution in Program	n Testing", Intern	ational ZEMAK Symposium	, Struga,				
Su	immary data fo	or teacher's scientific or art and prof	essional activity:							
Quo	otation total :		0							
Tota	al of SCI(SSCI) list papers :	2							
Cur	rent projects :		Domestic :	0	International :	0				
-										



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Ner	o and lost -	ome:			Marković N	nković Milan		
	e and last n emic title:	ame:			Markovic M Guest Profess			
		titution who	re the to	acher works full time and		501		
	ng date:							
Scier	ntific or art f	ield:			Computer Science			
Acad	emic cariee	er Y	′ear	Institution			Field	
	emic title el							
List c	of courses b	eing held b	by the tea	acher in the accredited stu	udy programme	S		
	ID Course name					Study pro	gramme name, study type	
						Academic	nputing and Control Engineering, Undergraduate Studies desy and Geomatics, Undergraduate Academic	
1.	E233	Internet N	letworks				tware Engineering and Information Technologies, uate Academic Studies	
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
							er, Electronic and Telecommunication g, Undergraduate Academic Studies	
2.	F501		ian			(F00) Gran Academic	phic Engineering and Design, Undergraduate Studies	
Z.	F301	WEB Design				(F10) Engineering Animation, Undergraduate Academic Studies		
3.	ISIT28	Informaciona bezbednost				(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
4.	BMI95	Introduction to Computer Science				(BM0) Biomedical Engineering, Undergraduate Academic Studies		
						(F00) Grap Academic S	phic Engineering and Design, Undergraduate Studies	
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
5.	SE0001	Introduction to Programming			(P00) Production Engineering, Undergraduate Acade Studies			
							tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
6.	SE0011	Introductio	on to Sol	tware Engineering		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						Studies	duction Engineering, Undergraduate Academic	
7.	SE0017	Software	Develop	ment Metrodologies		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
8.	SE0024	Software	Construc	tion and Testing		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
				Ŭ		Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						Studies	duction Engineering, Undergraduate Academic	
9.	SE239A	Web prog	Web programming			Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
							tware Engineering and Information Technologies - ndergraduate Academic Studies	

						_	
ast	TAS STUD		UNIVERSITY OF NO	VISAD		HUNHKMX Har	
AN A		FACULTY OF TECHNICAL SC	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	a De	
n. NEO	ANTEN	·	Study Programme Accreditation Image: Computing and Control Engineering UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering				
List c	of courses b	eing held by the teacher in the accred	dited study programme	s			
	ID	Course name		Study programme name, study type			
	E2522			(E20) Computin Academic Studie	g and Control Engineering,	Master	
10.		Software Standardization and Quali	h.,	(MR0) Measurement and Control Engineering, Master Academic Studies			
10.		Software Standardization and Qualit	ıy	(SE0) Software Master Academi	Engineering and Informatio c Studies	n 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	ian 10)				
Sur	nmary data	for teacher's scientific or art and prof	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

Computing and Control Engineering

Name and last name:					Mihailović P. Biljana			
	e and last n emic title:	ame:			Assistant Professor			
		litution	whore the t-	achor works full time and				
	e of the inst ng date:		vilere the te	acher works full time and	15.03.1999			
	ntific or art f	ield:			Mathematics			
	emic caries		Year	Institution	Field			
	emic title el		2010	Faculty of Technical Sci	ences - Novi S	ad	Mathematics	
	thesis		2009	Faculty of Sciences - No		-	Mathematical Sciences	
Magi	ster thesis		2003	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
	elor's thesis	s	1998	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E135	Probal	oility, Statis	tics and Stochastic Proces	sses	Undergrad (E10) Pow	asurement and Control Engineering, uate Academic Studies er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						Académic		
2.	E212	Mathe	matical Ana	Ilysis 1		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
3.	E213	Discre	te Mathema	atics and Linear Algebra		Undergrad	asurement and Control Engineering, uate Academic Studies	
						Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
		Probability and Stochastic Processes				Academic		
4.	E224A					(ES0) Power Software Engineering, Undergradua Academic Studies		
			2			Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
5.	EOS07	Mathe	matics 2			Ènergy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies	
						Undergrad	chanization and Construction Engineering, uate Academic Studies	
6.	M102	Mathe	matics 1			Académic		
						Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
7.	E102	Mathe	matical Ana	Ilvsis 1		Académic		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
8.	BMI91	Mathe	matics 1			Studies	medical Engineering, Undergraduate Academic	
9.	BMI92	Mathematics 2				(BM0) Biomedical Engineering, Undergraduate Academic Studies		
10.	E102A	Mathe	matical Ana	Ilysis 1			ver, Electronic and Telecommunication g, Undergraduate Academic Studies	

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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

Computing and Control Engineering

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

LIST C	ist of courses being held by the teacher in the accredited study programmes								
	ID	Course name	Study programme name, study type						
11.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies						
			(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies						
			(112) Industrial Engineering, Specialised Academic Studies						
12.	DZ01MS	Selected Chapters in Mathematics	(I22) Engineering Management, Specialised Academic Studies						
			(Z00) Environmental Engineering, Specialised Academic Studies						
13.	1004/S	Statistical Quantitative Methods	(I20) Engineering Management, Specialised Professional Studies						
10.	1004/0		(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						
			(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.	DZ01M	Selected Chapters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies						
			(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 1.	E. Pap, I		ve and monotone functional by two Sugeno integrals, Fuzzy						
2.	B. Mihail		e real set functions, Fuzzy Sets and Systems, Vol 161, Issue						
3.	B. Mihailo) 2857-2869 ović, E. Pap: Asymmetric integral as a limit of generated Ch	oquet integrals based on absolutely monotone real set						
4.	B. Mihailo	, Fuzzy Sets and Systems 181, (2011) 39-49. ović, E. Pap: Asymmetric general Choquet integrals, Acta F	Polytechnica Hungarica, Volume 6, Issue Number 1, (2009)						
→ .	161-173.	· -							
5.		, Manzi M., Mihailović B.: Choquet integrals and T-supermo ons, TIEI 3, DOI: 10.1007/978-3-642-33959-2 4 c Springer-\							

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WAKNX M			
AN A	NOR COL	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
A DOUCS		Study Programme Accreditation							
	ZANTEN	UNDERGRADUATE ACADEMIC S	STUDIES	Computing	g and Control Engineering	~			
Rep	presentative re	efferences (minimum 5, not more th	an 10)						
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-sepa	arable aggregation fur	nctions Proceedi	ngs of AGOP 2007, Ghent, I	Belgium, (2007)			
9.	B. Mihailovi 265-269.	ć, E. Pap: Decomposable signed fu	zzy measures, Procee	edings of EUSFL	AT 2007, Ostrava, Czech R	epublic, (2007)			
10.	B. Mihailovi	ć, M. Manzi: On the asymmetric Sh	nilket-like integral, Pro	ceedings of AGC	OP2011, Benevento, Italy, (2	011) 73-77.			
Sur	nmary data fo	r teacher's scientific or art and profe	essional activity:						
Quot	ation total :		10						
Tota	of SCI(SSCI)	list papers :	4						
<u></u>	ent projects :		Domestic :	2	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

No.	ond lest -	omc:			Mihoilević D	Dragon		
	e and last n	iame:			Mihajlović R. Dragan Associate Professor			
	emic title:			a sha su su sha ƙ 11 ƙ				
	e of the inst ng date:	utution v	vnere the te	acher works full time and	24.09.1990	Simular Scie	nces - NUVI Sau	
	ntific or art f	ield:			Applied Computer Science and Informatics			
	emic caries		Year	Institution	<u> </u>		Field	
Acad	emic title el	lection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
	thesis		1988	Faculty of Electrical Eng			Applied Computer Science and Informatics	
Bach	elor's thesis	S	1973	Faculty of Electrical Eng	, <u> </u>	,	Applied Computer Science and Informatics	
Magi	ster thesis		1070	Faculty of Electrical Eng	•	-	Electrical and Computer Engineering	
Ű		eing he	ld by the tea	acher in the accredited stu				
	ID		e name				gramme name, study type	
						(E20) Con	nputing and Control Engineering, Undergraduate	
1.	AU54	Geoinf	formation S	vstems		Académic		
						(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	E243	Human Computer Interaction					tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
3.	GI029	Utility Information Systems and their Applicat			ation	(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
4.	GI205	Inform	ation Syste	ms and Databases		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
5.	RI43A	Databa	ases 1			(ES0) Power Software Engineering, Undergraduate Academic Studies		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
6						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
6.	RI43B	Databa	ases 2			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
			Computer Graphics			(ES0) Power Software Engineering, Undergraduate Academic Studies		
7.	RI4A	Compu				(F10) Engineering Animation, Undergraduate Academic Studies		
							tware Engineering and Information Technologies, uate Academic Studies	
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
8.	0RI43B	Databa	ases 2			(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies	
9.	BM118E	Databa	ases			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
10	50040	11		Internetion		(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies	
10.	E0243	Human-Computer Interaction				(F10) Engineering Animation, Undergraduate Academic Studies		
11.	EE417A	Databa	ases				er, Electronic and Telecommunication g, Undergraduate Academic Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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

LISCO		leing heid by the teacher in the accred	inco study programme	.5					
	ID	Course name		Study program	ne name, study type				
				(E20) Computin Academic Studie	g and Control Engineering, I es	Master			
12.	E2505	Multimedia Systems		(ES0) Power Software Engineering, Master Acader Studies					
		-		(F20) Engineeri	ng Animation, Master Acade	mic Studies			
				(SE0) Software Master Academi	Engineering and Information c Studies	Technologies,			
13.	E2516	Virtual Paality Systems		(E20) Computin Academic Studie	g and Control Engineering, I es	Master			
13.	E2310	Virtual Reality Systems		(SE0) Software Engineering and Information Technologies, Master Academic Studies					
14.	FDS151	Selected Chapters in Multimedia		(F00) Graphic Engineering and Design, Doctoral Academic Studies					
Rep	Representative refferences (minimum 5, not more than 10)								
1.	1. Mihajlović D.,Informacioni sistemi i projektovanje baza podataka, FTN Novi Sad, 1998								
2.	2. Mihajlović D, Obradović D, Jedan algoritam sažimanja srpskohrvatskih reči, Informatika br 4, pp45-47, 1982								
3.	Mihajlovi	ć D, Obradović D, An evalution of text	ual documents indexir	ig methods, Yujor	r, 1992, pp107-112.				
4.	Mihajlovi	ć D i ostali, Softversko rešenje za farn	naceutski informacioni	sistem, Diskobolo	os 97.				
5.	Mihajlovi	ć D, Kecman Ž, Farmaceutski informa	cioni sistem, I kongres	s farmaceuta Jugo	oslavije, Vrnjačka Banja, 199	4			
6.	Mihajlovi	ć D, Izbor parova leksičkih jedinica iz	poznatog rečnika za a	utomatizovano po	ostavljanje relacija u tezaurus	su			
7.	Mihajlovi	ć D, Odredjivanje vrsta reči iz srpskoh	rvatskog jezika primer	nom računara, Inf	ormatica, br 1, pp52-54, 198	38			
8.		, Obradović D, Mihajlović D, Standard Standardizacija i kvalitet u informacion			nacionih sistema software-ir	iženjerski			
9.		ć D, Nićin V, Prilog razvoju automastk Novi Sad	e obrade informacija ι	INDOK-delatnos	ti u organima uprave, Dani ir	nformatike 80,			
10.	Obradovi	ć D, Perišić B, Mihajlović D, Konjović	Z, Stanje i trendovi u p	projektovanju info	rmacionih sistema, IPME, Be	eograd, 1992			
		for teacher's scientific or art and profe	essional activity:						
Quot	ation total :								
Total	Total of SCI(SSCI) list papers :								
Curre	Irrent projects : Domestic : International :								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Milc					Milosavliavić	Milosavljević R. Gordana			
	emic title:				Assistant Professor				
		titution v	vhere the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad				
	ng date:				01.12.1995				
Scier	ntific or art f	ield:			Applied Computer Science and Informatics				
Acad	emic cariee	er	Year	Institution		Field			
Acad	emic title el	lection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
PhD	thesis		2010				Computer Science		
Magi	ster thesis		2001	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science		
Bach	elor's thesis	S	1995	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science		
List c	of courses b	eing he	Id by the te	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.	E242	Softwa	are Specific	ation and Modeling		Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
2.	F209	Multim	nedia			Academic			
						Academic			
3.	RI53	Busine	ess Informa	tion Systems		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies			
4.	ISIT08	Object oriented programming fundamentals				Undergrad	vare and Information Technologies (Indija), uate Professional Studies		
5.	ISIT12	Osnov	e informaci	onih sistema		Undergrad	SII) Software and Information Technologies (Indija), Idergraduate Professional Studies		
6.	ISIT22	Osnov	e baza pod	lataka		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
7.	ISIT26	Upravl	ijanje projek	ktima		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
8.	ISIT27	Osnov	e softversk	ih arhitektura		Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
9.	ISIT35	Poslov	na informa	tika		Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
10.	ISIT37	Konfig	urisanje i a	dministracija baza podatal	<a< td=""><td></td><td>vare and Information Technologies (Inđija), uate Professional Studies</td></a<>		vare and Information Technologies (Inđija), uate Professional Studies		
11.	SE0016	Databa	ases			Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
	020010	Datable				Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
						Studies	duction Engineering, Undergraduate Academic		
12.	SE0017	Softwa	are Develop	oment Metrodologies		Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
							tware Engineering and Information Technologies - ndergraduate Academic Studies		
13.	SES202	Model	Driven Soft	tware Development			tware Engineering and Information Technologies, uate Academic Studies		
10.	020202	Model		thate Development		(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
14.	SES204	Advan	ced Progra	mming Tecnics		Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
	020207						tware Engineering and Information Technologies - ndergraduate Academic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name			me name, study type				
15.	E2508	Agile Software Development Method	dology	Academic Studie					
		- g		(SE0) Software Master Academi	Engineering and Information	on Technologies,			
16.	DRNI08	Selected Topics in Information Syste	ems	(E20) Computin Academic Studie	g and Control Engineering, es	Doctoral			
17.	DRNI12	Selected Topics in Contemporary Se	(E20) Computin Academic Studie	g and Control Engineering, es	Doctoral				
		Methods		(F20) Engineeri	ng Animation, Doctoral Aca	idemic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.		avljević, M. Vidaković, S. Komazec, G iate Form Representations. Principles				ata Models Using			
2.		avljević, M. Vidaković, S. Komazec, G ed Data Models, Software Engineerin				Applications with			
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.		ević G., Ivanović D., Milosavljević B., S n Management System, The Electroni				F-Compliant			
5.		., Milosavljević G., Dejanović I., Milosa r Science and Information Systems (C				Applications,			
6.		D., Milosavljević G., Milosavljević B., 3 1 Format, Program: Electronic Library							
7.	Dejanovi Database	ć I., Milosavljević G., Tumbas Živanov Applications, Computer Science and	M., Perišić B.: A Don I Information Systems	nain-Specific Lang (ComSIS), 2010,	guage for Defining Static Si Vol. 7, No 3, pp. 409-440,	tructure of ISSN 1820-0214			
8.		ć I., Perišić B., Milosavljević G., Striče nal Workshop on Model-Based Softw				artifacts. In 3rd			
9.	Symposi	ević G., Dejanović I., Perišić B.: Reac um@MODELS 2011: Software Model g.de/documents/olnse-2-2011-EduSy	ing in Education, page	ractical approach s 31-40, Wellingto	to teaching mde. In 7th Ed on, New Zealand, www.se.	ucators uni-			
10.	Dejanovi Specific I	ć I., Tumbas Živanov M., Milosavljević ₋anguage, 14. Advances in Database	G., Perišić B.: Comp s and Information Syst	arison of Textual ems, Novi Sad, 2	and Visual Notations of DC 0-24 Septembar, 2010, pp.	MMLite Domain- 20-24			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
	ation total :		0						
	,	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

Computing and Control Engineering

Nom	Name and last name: Milosavliev						ić P. Branko		
	emic title:	lame.			Milosavljević Associate Pro				
				nahan wanka full Kara 👘			nces - Novi Sad		
	e of the inst ng date:	litution v	vnere the te	acher works full time and	01.10.1998		inces - Novi Sau		
	tific or art f	ield:			Applied Computer Science and Informatics				
Academic carieer Year Institution			<u> </u>		Field				
Acad	emic title el	lection:	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		1999	Faculty of Technical Sci	ences - Novi Sa	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 o	f 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.	E2E40	XML a	nd WEB Se	rvices		Undergrad	asurement and Control Engineering, luate Academic Studies		
		, u				Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
		E41 E-Business Systems Security				(E20) Computing and Control Engineering, Undergraduate Academic Studies			
2.	E2E41					(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
2.							tware Engineering and Information Technologies, luate Academic Studies		
							tware Engineering and Information Technologies - ndergraduate Academic Studies		
3.	F209	Multim	edia			(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies		
4.	F214I2	Raster	Graphics			(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
5.	GI100	Compi	uter Practic	um		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
6.	RI41	Interne	et Software	Architectures		(E20) Computing and Control Engineering, Undergraduate Academic Studies			
7.	SEI41	Interne	at Software	Architectures			tware Engineering and Information Technologies, luate Academic Studies		
/.						(SEL) Software Engineering and Information Technologie Loznica, Undergraduate Academic Studies			
8.	ISIT03	Introdu	uction to Pro	ogramming		Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
9.	ISIT08	Object	oriented pr	ogramming fundamentals			vare and Information Technologies (Inđija), uate Professional Studies		
10.	ISIT22	Osnov	e baza pod	ataka			vare and Information Technologies (Inđija), uate Professional Studies		
11.	ISIT28	Inform	aciona bezł	pednost			vare and Information Technologies (Inđija), uate Professional Studies		
12.	ISIT29	XML T	echnologie	S		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
13.	BMI95	Introdu	uction to Co	mputer Science		(BM0) Biomedical Engineering, Undergraduate Academic Studies			
14.	14. EIWDS Web-based Measurement and Data Acquisition Systems		ition Systems	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication					
							ig, Undergraduate Academic Studies		

AND ANTERS

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

ĺ	List c	ist of courses being held by the teacher in the accredited study programmes					
		ID	Course name	Study programme name, study type			
ĺ				(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
		SE0001		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
	15.		1 Introduction to Programming	(P00) Production Engineering, Undergraduate Academic Studies			
				(SE0) Software Engineering and Information Technologie Undergraduate Academic Studies			
				(SEL) Software Engineering and Information Technologie Loznica, Undergraduate Academic Studies			
ĺ				(E20) Computing and Control Engineering, Master			

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
18.	E2521	Pueipage Process Management	(MR0) Measurement and Control Engineering, Master Academic Studies
10.	E2321	Business Process Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10	E2526	Convice Oriented Architectures	(E20) Computing and Control Engineering, Master Academic Studies
19.	E2320	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	e refferences (minimum 5, not more than 10)	
1.		ilosavljević. Models for Extensible Multimedia Document R Engineering, Miami, FL, 2004.	etrieval. In IEEE 6th International Symposium on Multimedia
2.		lilosavljević, Milan Vidaković, Srđan Komazec, and Gordan. Applications with EJB-Based Data Models. In Software Eng	a Milosavljević. User Interface Code Generation for Data- gineering Research and Practice (SERP"03), Las Vegas, NV
3.		lilosavljević and Zora Konjović. Design of an XML-Based Ex ia Software Engineering (MSE2002), Newport Beach, CA, 2	
4.		, B. Milosavljević, Z. Konjović. Extensible Access Control M tography ICETE-SECRYPT"07, Barcelona, Spain, 2007.	odel for XML Document Collections, Intl. Conf. on Security
5.	James Po		code generation for database-oriented web applications. In Technology: Theory, Application, Implementation, pages 89-

STAS STUD			UNIVERSITY OF NOVI SAD				
A	NOI OR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				STATE	
N DE SCA		Study F	Con Participation				
6	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	AND HOP	
Re	presentative re	efferences (minimum 5, not more th	ian 10)		•		
6.		šendić, Branko Milosavljević, and E 1):162-186, 2009. ISSN: 0264-0473			n for city and special librarie	s. The Electronic	
7.		jenović, Branko Milosavljević, and I lectronic library and information sys					
8.	application	ović, Branko Milosavljević, Zora Ko on distributed library catalogues. C 10.2298/csis0902001V.					
9.			Zora Konjović, and Milan Vidaković. Adaptive content-based music retrieval syste -544, 2010. ISSN: 1380-7501, DOI: 10.1007/s11042-009-0336-2.				
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	mmary data fo	r teacher's scientific or art and profe	essional activity:				
Quotation total :			0				
Total 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

Computing and Control Engineering

Name and last name:					Mirović Đ. Ivono			
		ame:			Mirović Đ. Ivana			
	emic title:				Lecturer Faculty of Technical Sciences - Novi Sad			
	e of the insi ng date:	titution w	here the te	acher works full time and	01.04.1990			
	ntific or art f	ield [.]			English			
	emic carie		Year	Institution			Field	
	emic title e		2010	Faculty of Technical Sci	ences - Novi Si	ad	English	
	elor's thesis		1984	Faculty of Philosophy - I		20	English	
		·		acher in the accredited stu		e		
LISU		eing neit			duy programme			
	ID	Course	name			Study pro	gramme name, study type	
1.	AEJ1L	English	Language	- Elementary		(A00) Arch	nitecture, Undergraduate Academic Studies	
2.	AEJ2L	English	Language	intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies	
3.	AEJ2Z	English	intermedia	ate		(A00) Arch	nitecture, Undergraduate Academic Studies	
4.	AEJ3Z	English	Language	- upper intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies	
						(G00) Civi	I Engineering, Undergraduate Academic Studies	
							chanization and Construction Engineering, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	EJ01L	English Language – Elementary			(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			
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
6.	EJ01Z	English	nglish Language - Elementary			(Z01) Safety at Work, Undergraduate Academic Studies		
					(ZC0) Clea	an Energy Technologies, Undergraduate Studies		
						aster Risk Management and Fire Safety, uate Academic Studies		
					U	ronmental Engineering, Undergraduate Academic		
						ver, Electronic and Telecommunication g, Undergraduate Academic Studies		
					(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
					(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies			
7.	EJ02L	English	Language	- Pre-Intermediate		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
		J	00-			(Z01) Safety at Work, Undergraduate Academic Studies		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Environmental Engineering, Undergraduate Academ Studies		

STASSIC ORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type		
			(I10) Industrial Engineering, Undergra Studies		

		English Language – Pre-Intermediate	(110) Industrial Engineering, Undergraduate Academic Studies
	F 1007		(I20) Engineering Management, Undergraduate Academic Studies
8.	EJ02Z		(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
	EJ04L	L English Language – Upper Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
10.			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
		11Z English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(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

UNDERGRADUATE ACADEMIC STUDIES

List o	of courses b	eing held by the teacher in the accredited study programme	es	
	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	BL 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.	EJM	English Language – ESP Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies	
20.	LOW		(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	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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List o	of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type		
	טו	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	EJIIM English for Specific Purposes (110) Industrial Engineering, Undergraduate Acade Studies (120) Engineering Management, Undergraduate A Studies			
35.	(E02) Electronics and Telecommunications Inder		(E02) Electronics and Telecommunications, Undergraduate		
			(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		
		Z English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies		
			(ES0) Power Software Engineering, Undergraduate Academic Studies		
	EJ2Z		(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		
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	presentative	e refferences (minimum 5, not more than 10)			
1.		nonografije: Nenad Teofanov: Ultramodulation Spaces and I	, , <u>,</u>		
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.		ović i Vesna Bogranović: Engleski jezik 2 za grafičko inženj	• •		
5.	Jezik stru	ike, teorija i praksa, Beograd, 2008	kog jezika na FTN u Novom Sadu. međunarodna konferencija		
6.	konferen	nović, I. Mirović, B. Ličen: Kreiranje udžbenika za engleski j cija Jezik struke, teorija i praksa, Beograd, 2008			
7.		, 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

Re	resentative refferences (minimum 5, not more than 10)
	Mirović I. Gak D. Bogdavović V.: Trust me - I'm an engineer or: Why we

 Mirović I, Gak D., Bogdavović V.: Trust me - I'm an engineer or: Why we should challange our students with demanding tas International Conference on the Importance of Learning Professional Foreign Languages for Communication between Cult 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	mmary data for teacher's scientific or art and prof	essional activity:						
Quotation total :		0						
Total of SCI(SSCI) list papers :		0	_					
Curr	ent projects :	Domestic :	0	International :	0			





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Mitrović M. Slavica				
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and				eacher works full time and	Faculty of Technical Sciences - Novi Sad				
	ng date:				01.10.2005				
Scier	ntific or art f	ield:			Production Systems, Organization and Management				
Acad	emic caries	er	Year	Institution		Field			
Acad	emic title e	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Production Systems, Organization and 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	S	2004	Faculty of Technical Sci	ences - Novi Sa	ad	Production Systems, Organization and Management		
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) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	E2I41	Inform	ation Syste	m Engineering			tware Engineering and Information Technologies, luate Academic Studies		
2.	EOS33	Entrep	reneurial m	nanagement			ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
3.	S002A	Econo	mics			(S00) Trat Academic	ffic and Transport Engineering, Undergraduate Studies		
<u> </u>	SUULA	200110				(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies			
4.	II121	Principles of economics				Undergrad	ware and Information Technologies (Inđija), duate Professional Studies		
5.	1120	Principi menadžmenta(uneti naziv na engle			skom)	Studies			
6.	1201	Predu	zetništvo(ur	neti naziv na engleskom)		(Z20) Envi Studies	Environmental Engineering, Undergraduate Academic s		
7.	II1041	Innova	ition and Er	ntrepreneurship		(110) Industrial Engineering, Undergraduate Academic Studies			
						(I20) Engi Studies	neering Management, Undergraduate Academic		
8.	IM1005	Entrep	reneurship			(Z01) Safe	ety at Work, Undergraduate Academic Studies		
						Studies	ronmental Engineering, Undergraduate Academic		
						Studies	neering Management, Undergraduate Academic		
9.	IM1007	Princip	oles of engi	neering management		Academic			
						Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
10.	IM1215		-	mall and medium size ent	erprises	Studies	neering Management, Undergraduate Academic		
11.	IM1218		s of open in reneurship	novations and corporate		Studies	neering Management, Undergraduate Academic		
12.	IMDS97	Entrep	oreneurial N	lanagement		Studies	neering Management, Specialised Academic		
13.	MBA304	Busine	ess Strategi	es		Profession			
14.	NIT07	Manag	gement Skil	ls		Technolog	istrial Engineering - Advanced Engineering ies, Master Academic Studies		
15.	IMDS66	Manag	jerial decisi	on-making		(GI0) Geodesy and Geomatics, Specialised Academic Studies			
				-		(I22) Engi Studies	neering Management, Specialised Academic		

ALANTEN STUDIOR		FACULTY OF TECHNICAL SC	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
		Study Programme Accreditation							
List o	of courses b	being held by the teacher in the accrea	dited study programme	S					
	ID	Course name		Study programme name, study type					
16.	IMDR97	Entrepreneurial Management		(I20) Industrial E Doctoral Acader	Engineering / Engineering Manie Studies	anagement,			
17.	IMDR66	Managerial decision-making		(I20) Industrial E Doctoral Acader	Engineering / Engineering Manie Studies	anagement,			
Rep	presentative	e refferences (minimum 5, not more th	an 10)						
1.		S., Grubić-Nešić, L ., Milisavljević, S., tional Culture. E+M Ekonomie a Man			ss) Manager's Assessment o	of			
2.		MITROVIĆ, Bozidar LEKOVIĆ, Valent ROM SERBIA.Metalurgia Internation			LOYEE TIME MANAGEMEN	IT: A CASE			
3.		KONJA, Leposava GRUBIĆ-NEŠIĆ, ROM A SERBIAN COMPANY. Metal				ORT CASE			
4.	COMPET	B., Mitrović, S., Milisavljević, S., Peja FITIVENESS OF HOMEMADE PROD NEGRO. African Journal of Agricultura	UCTS FOR MANUFAG	CTÚRING IMPRC	VEMENT: CASE STUDY FI	ROM			
5.	economy	vic, S. Milisavljevic, I. Cosic, B. Lekovi :: A Serbian case study, African Journ 33 Academic Journals.							
6.	Internatio	S., Nikolić, J., Milisavljević, S., Ćosić nal symposium on industrisl enignee SR-ID 191329292).							
7.	Internatio	S., Melović, B., Ćosić, I. (2012). ENT onal entrepreneurship conference "Re a, Montenegro. ISBN 978-86-80133-	cruitment in the light of						
8.	economio	S., Milisavljević, S., Melović, B., Grut cal crizes, 17 th International Scientific nent, Palic-Subotica. ISBN 978-86-72	c Symposium Strategic	management an	ent in the function of overco d Decision Support Systems	ming s in Strategic			
9.	Leposava GRUBIC-NESIC, Sanja VRNJES, Biljana RATKOVIC-NJEGOVAN, Slavica MITROVIC (2012). ATTITUDES OF THE EMPLOYEES ABOUT THE ORGANIZATIONAL RESTRUCTURING: A SAMPLE OF ORGANIZATIONS IN SERBIA. Metalurgia International, ISSN 1582 – 2214. Vol.17 (12), pp. 153-160.								
10.	、	Losoncz) A., Ivanišević A., Mitrović S. BN 978-86-7892-375-3, UDK: 268964		orme i uzroci, Nov	i Sad, Fakultet tehnickih nau	ıka, 2012, str.			
Sur	mmary data	for teacher's scientific or art and prof	essional activity:						
-	tation total :		0						
	,	CI) list papers :	8						
Curre	ent projects		Domestic :	2	International :	0			





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Nenadić M. G	Goran		
Academic title:					Guest Profes	sor		
Name of the institution where the teacher works full time and			-					
startii	ng date:							
Scientific or art field:			Applied Com	outer Scienc	ce and Informatics			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title e	lection:	2012				Applied Computer Science and Informatics	
PhD	thesis		2003				Mathematical Sciences	
Magis	ster thesis		1997				Mathematical Sciences	
Bach	elor's thesis	S	1993				Mathematical Sciences	
List o	f courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E2K40A	Soft C	omputing			Undergrad	asurement and Control Engineering, uate Academic Studies	
						Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
2.	ISIT2D	Web d	esign			Undergrad	vare and Information Technologies (Inđija), uate Professional Studies	
						(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
3.	SE0001	Introdu	Introduction to Programming			(P00) Production Engineering, Undergraduate Academic Studies		
							tware Engineering and Information Technologies, uate Academic Studies	
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
4.	SE0014	Comp	uter organis	ation		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
5.	SE0016	Databa	ases			Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
6.	SE0024	Softwa	are Constru	ction and Testing		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
			-	Ű		Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
7.	SE0031	Opera	ting System	IS		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						Studies	duction Engineering, Undergraduate Academic	
8.	SE239A	Web p	rogrammin	g		(SE0) Software Engineering and Information Technologies Undergraduate Academic Studies		
						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
9.	SES40	Softwa	are patterns	and components		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
	9. SES40 Software patterns and components			·			tware Engineering and Information Technologies - ndergraduate Academic Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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

LISU	st of courses being held by the teacher in the accredited study programmes							
	ID	ID Course name Study programme name, study type						
10.	E2503	Data Mining and Data Analysis Syst	oms	(E20) Computing Academic Studie	g and Control Engineering, I s	Vlaster		
10.	L2505	Data Mining and Data Analysis Syst	ems	(SE0) Software Master Academic	Engineering and Informatior	n Technologies,		
				(E20) Computing Academic Studie	g and Control Engineering, I s	Master		
11.	E2506	Advanced Internet Infrastructure		(SE0) Software Master Academic	Engineering and Informatior	n Technologies,		
					ctronic and Telecommunica ster Academic Studies	tion		
12.	E2523	Social Networks		(E20) Computing Academic Studie	g and Control Engineering, I s	Master		
12.	L2323	Social Networks		(SE0) Software Master Academic	Engineering and Informatior	n Technologies,		
13.	E2524	Text Mining		(E20) Computing Academic Studie	g and Control Engineering, I s	Master		
10.	LZJZ4	T CXT Minning		(SE0) Software Master Academic	Engineering and Informatior	Technologies,		
14.	E2527	Business Intelligence		(E20) Computing Academic Studie	g and Control Engineering, I s	Master		
14.	L2327	Busiliess intelligence		(SE0) Software Engineering and Information Technologie Master Academic Studies				
15.	SEM013	E-government technologies		(SE0) Software Master Academic	Engineering and Informatior	Technologies,		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.		, Sarafraz, F., Keane, J., Nenadic, G. antic Rules, J. of American Medical In				tern Matching		
2.		<i>I</i> ., Nenadic, G., Bergman, C.: LINNAE natics 11:85, 2010	EUS: A Species Name	Identification Sys	tem for Biomedical Literatur	e, BMC		
3.		, Spasic, I., Keane, J., Nenadic, G.: A es, J. of American Medical Informatics			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 F	Protein Mentions: t	he Case of Transcription Fa	ctors, Journal of		
5.		, Nenadic, G., Keane, J.: Identification informatics 2008, 9(Suppl 3):S11	of Transcription Factor	or Contexts in Lite	rature using Machine Learni	ng Approaches,		
6.		Nenadic, G., Stapley, B.: Mining Prote natics 2005, 6(Suppl 1):S22	ein 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	I of Biomedical Informatics,	Vol. 37(6),		
8.	Nenadic,	G., Spasic, I., Ananiadou, S.: Termino	ology-driven Mining of	Biomedical Litera	ture, Bioinformatics 19:8, 20	003, pp. 938-943		
9.		G., Mima, H., Spasic, I., Ananiadou, S ine, Int. J. of Medical Informatics, Vol.			re Mining and Knowledge A	cquisition in		
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
	ation total :							
		CI) list papers :		·		i		
Curre	urrent projects : Domestic : International :							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Obradović J. Đorđe				
Academic title:					Obradović J. Đorđe Assistant Professor				
Name of the institution where the teacher works full time and				achor works full time and					
starting date:				eacher works full time and	01.07.1998				
	ntific or art f	ield:				outer Scienc	ce and Informatics		
	emic caries		Year	Institution			Field		
Acad	emic title e	lection:	2011	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
	thesis		2011				Applied Computer Science and Informatics		
Magis	ster thesis		2003	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science		
Bach	elor's thesis	s	1997	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics		
List o	f 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) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	E236A	Compu	utational Inf	telligence Fundamentals			tware Engineering and Information Technologies, luate Academic Studies		
							tware Engineering and Information Technologies - Indergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
2.	E2K40A						asurement and Control Engineering, luate Academic Studies		
<u>∠.</u>	LZN4UA	Soft Computing				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
							tware Engineering and Information Technologies - Indergraduate Academic Studies		
3.	ISIT26	Upravl	janje projel	ktima			ftware and Information Technologies (Inđija), aduate Professional Studies		
4.	ISIT30	Busine	ess process	management systems			(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
5.	ISIT41	eGove	ernment tec	hnologies and systems		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
6.	SE0006	Ohiect	oriented n	rogramming 1		Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
	020000		. enented p			Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
7.	SE0013	Data C	Organizatio	1		Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
			<u>.</u>			Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
						Studies	duction Engineering, Undergraduate Academic		
8.	SE239A	Web p	rogrammin	g		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
							tware Engineering and Information Technologies - ndergraduate Academic Studies		
						Academic			
9.	E2511	Fuzzv	Systems			(ES0) Pov Studies	ver Software Engineering, Master Academic		
	22011	·				Master Aca	tware Engineering and Information Technologies, ademic Studies		
							er, Electronic and Telecommunication g, Master Academic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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

	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				
10.	E2512	Neural Networks		(SE0) Software Engineering and Information Technologies, Master Academic Studies				
				(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies				
11.	EP002	EBusiness technologies and system	6	(I20) Engineering Management, Specialised Professional Studies				
11.	LF002		5	(IB0) Engineering Management - MBA, Specialised Professional Studies				
12.	E2536	Mahila Application Development		(E20) Computing and Control Engineering, Master Academic Studies				
12.	E2030	Mobile Application Development		(SE0) Software Engineering and Information Technologies, Master Academic Studies				
13.	DRNI07	Selected Chapters in Computational	Intolligance	(E20) Computing and Control Engineering, Doctoral Academic Studies				
13.	DRINIU7	Selected Chapters in Computational	Intelligence	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
14.	DRNI14	Selected Chapters in Machine Learn	ning	(E20) Computing and Control Engineering, Doctoral Academic Studies				
15	5. DRNI17	Selected Tenies in ICT enhanced la	ooming	(E20) Computing and Control Engineering, Doctoral Academic Studies				
15.		Selected Topics in ICT enhanced lea	aming	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
16.	DRNI18	Selected Topics in Distributed/Mobil	e computing	(E20) Computing and Control Engineering, Doctoral Academic Studies				
				(F20) Engineering Animation, Doctoral Academic Studies				
Rep		e refferences (minimum 5, not more th	,					
1.		Z., Obradović Đ., Racković M., Objec World Congress, Prague 1997.	t oriented implementa	tion of the neural network training system, Proc. Of Seventh				
2.		ć Đ. Jovanović D., Konjović Z., Goveo InterGeoEast 2006.	larica M., Web based	software system supporting detection of topographical				
3.		ć Ð. Racković M., Algorithmic Structu /lathematics PRIM '96 Budva 1996.	re for Representation	of the Various Neural Network Models, XI Conference on				
4.	Konjović 1998.	Z., Fišl I., Obradović Đ., "Specification	n of the language for	reporting in library information system", YuInfo'98, Kopaonik				
5.	Obradovi	ć Ð., Konjović Z.,"The system for the	computer supported to	esting students knowledge", YuInfo'99, Kopaonik 1999.				
6.	Šolajić D	., Obradović Đ., Konjović Z., "Reengin	eering in the anthrop	omorphic gait simulation system", PRIM 2000				
7.	Obradovi	ć Đ., Konjović Z., "Anthropomorphic G	Gait Simulation System	n", PRIM 2000				
8.	Obradovi	ć Đ., Šolajić D., Konjović Z. "Softversl	ki sistem za administri	iranje procesa izvođenja nastave", YUINFO 2004				
9.	Šolajić D.	., Obradović Đ., Konjović Z., "Web ba	zirana aplikacija za po	odršku razvoju softverskog projekta" YUINFO 2004				
10.		ć D., Obradović Đ., Konjović Z., Gove , Yulnfo, Kopaonik 2005.	darica M., Softverski s	sistem za detekciju topografskih znakova na kartama i				
Sun		for teacher's scientific or art and profe	essional activity:					
Quota	ation total :		0					
Total	of SCI(SS	CI) list papers :	0	1 1				
Curre	rrent projects : 0 International : 0							





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nam	and last n	ame.			Okanović Đ. I	Dušan			
Name and last name: Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad				
	ng date:				01.02.2004	01.02.2004			
Scientific or art field: App					Applied Com	outer Sciend	ce and Informatics		
Acad	emic cariee	er	Year	Institution		Field			
Acad	emic 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		
Magis	ster thesis		2006	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science		
Bach	elor's thesis	5	2002	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science		
List o	f 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.	E233	E233 Internet Networks				Academic (GI0) Geo Studies (SE0) Sof Undergrad (SEL) Sof Loznica, U (E10) Pow	nputing and Control Engineering, Undergraduate Studies Idesy and Geomatics, Undergraduate Academic tware Engineering and Information Technologies, luate Academic Studies tware Engineering and Information Technologies - ndergraduate Academic Studies er, Electronic and Telecommunication log, Undergraduate Academic Studies		
2.	ISIT23	Web Programming				(SII) Softw	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
3.	ISIT30	Business process management systems					oftware and Information Technologies (Inđija), raduate Professional Studies		
4.	ISIT34	Identity Management					vare and Information Technologies (Inđija), luate Professional Studies		
5.	ISIT36	Software Development Tools					ftware and Information Technologies (Inđija), aduate Professional Studies		
6.	ISIT43	Config	uration and	Administration of Compu	ter Systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
7.	ISIT45	eTrade	e and eBan	king technologies and sys	tems		SII) Software and Information Technologies (Inđija), ndergraduate Professional Studies		
8.	SE0024	Softwa	are Constru	ction and Testing		 (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - 			
						,	ndergraduate Academic Studies duction Engineering, Undergraduate Academic		
9.	SE239A	Web p	rogramminę	g		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
						Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
10.	EP007	Docum	nent and co	ntent management		Studies	neering Management, Specialised Professional		
		Document and content management				Profession			
11.	AD0008	Web d	esign in Arc	chitecture		Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies		
						Academic			
12.	E2522	Softwa	ftware Standardization and Quality			Academic			
				· · · · · · · · · · · · · · · · · · ·		Master Aca	tware Engineering and Information Technologies, ademic Studies		
							er, Electronic and Telecommunication g, Master Academic Studies		

ASTIAS STUDIORUM			UNIVERSITY OF NO	UNIVERSITY OF NOVI SAD							
		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6						
		Study F	Study Programme Accreditation								
·01	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	HOP					
List o	of courses b	peing held by the teacher in the accred	lited study programme	S							
	ID	Course name		Study program	me name, study type						
13.	DRNI05	Selected Topics in Software Standa	rdization and Quality	(E20) Computin Academic Studie	g and Control Engineering, l	Doctoral					
				(F20) Engineeri	ng Animation, Doctoral Acad	lemic Studies					
Rep		e refferences (minimum 5, not more th	,								
1.		ć D., van Hoorn A., Konjović Z., Vidako nce Problem Localization, Computer									
2.	Dušan O 2005.	kanović, Zora Konjović, Automatska ir	nicijalizacija klasa iz XI	ML datoteke, Zbo	rnik radova YU INFO 2005 (CD), Kopaonik					
3.		kanović, Milan Vidaković, Upotreba JI), Kopaonik 2007.	MX MLet servisa za až	uriranje verzija Ja	ava aplikacija, Zbornik radov	a YU INFO					
4.		oradović, Milan Vidaković, Zora Konjo ", Zbornik radova YU INFO 2008 (CD		Generator ekrans	skih formi za JBoss Seam ba	azirane					
5.	Dušan O Kopaonił	kanović, Milan Vidaković, "Primena jB < 2009.	PM okruženja u imple	mentaciji eUprave	e", Zbornik radova YU INFO	2009 (CD),					
6.		Penca, Siniša Nikolić, Dušan Okanovi adova YU INFO 2009 (CD), Kopaonik		obraćaja sistemo	m za detekciju upada u mre	žu Snort",					
7.		D., Vidaković M.: Software Performa on Society Technology and Managem			n, 2. International Conference	e on					
8.		5 D., van Hoorn A., Konjović Z., Vidako ice on Information Technology - ICIT,				nternational					
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	5 D., Vidaković M.: One Implementation ngs of the IASTED International Confe	n of The System for A	pplication Versior							
Sur	nmary data	for teacher's scientific or art and profe	essional activity:	- -							
Quot	ation total :		0								
		CI) list papers :	0								
Curre	ent projects	:	Domestic :	0	International :	0					





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Oros V. Đura								
Academic title:					Oros V. Đura Assistant Professor			
	Name of the institution where the teacher works full time and							
-	ng date:				05.11.1982			
Scier	ntific or art f	ield:			Power Electronics, Machines and Facilities			
Acad	emic carie	er	Year	Institution	Field			
Acad	emic title e	lection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Power Electronics, Machines and Facilities	
PhD	thesis		2008	Faculty of Technical Sci	ences - Novi Sa	ad	Electroenergetics	
Magi	ster thesis		1997	School of Electrical Engi	ineering - Beog	Irad	Power Electronics, Machines and Facilities	
	elor's thesis	-	1982	Faculty of Technical Sci			Electroenergetics	
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.	H361	Contro	l of Electric	al Drives		(H00) Med	chatronics, Undergraduate Academic Studies	
							chanization and Construction Engineering, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
						Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
2.	M109	Electric Machines and Power Electronics				Undergrad	asurement and Control Engineering, uate Academic Studies	
						Studies	duction Engineering, Undergraduate Academic	
						(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
						Undergrad	chanization and Construction Engineering, uate Academic Studies	
						Academic		
3.	M112	Electri	Electrical Engineering and Electric Machines		S	Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
	111112			~	Studies	duction Engineering, Undergraduate Academic		
						Académic	fic and Transport Engineering, Undergraduate Studies	
						Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						Academic		
4.	E2315	Electrical Machines in Automatic Control Sy		vstems	Undergrad	asurement and Control Engineering, uate Academic Studies		
						Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
5.	EE419A	Testing	g of electric	al machines		Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
6.	EE421A		0	and Calculation Software		Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
7.	ZR405A			e harmful effects of electr ver converters	icity in the	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
8.	ZR43A			regulations in electrical sy	ystems	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
9.	EE534	Specia	al Electric M	lotor Drives			er, Electronic and Telecommunication g, Master Academic Studies	
10.	M2541	Occup Machir		ety and Protection in Oper	ation with	(M22) Mea	chanization and Construction Engineering, Master Studies	
11.	GS016	Lightin	g in Buildin	gs		(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	

STAS STUDIO	2
N DE SCAL	NA.

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



Study Programme Accreditation

4	LANTEN	UNDERGRADUATE ACADEMIC STUDIES	Computing and Control Engineering				
List o	of courses be	eing held by the teacher in the accredited study programme	S				
	ID	Course name	Study programme name, study type				
12.	ZRD235	Systemic regulation in the field of occupational safety and health	(Z01) Safety at Work, Doctoral Academic Studies				
13.	ZRD236	State and development of health and safety at work in the field of electrical engineering	(Z01) Safety at Work, Doctoral Academic Studies				
Rep	oresentative	refferences (minimum 5, not more than 10)					
1.		Marčetić D., Oros Đ.: Prediction of Local Instabilities in Oper computation and mathematics in electrical engineering, 20	en-loop Induction Motor Drives, COMPEL - The international 10, Vol. 29, No 3, ISSN 0332-1649				
2.		ros, Veran V. Vasić, Darko P. Marčetić: NFO sensorless in lectric Power Components and Systems, 2008, Vol. 36, No	duction motor drive with on-line stator resistance parameter 12, str. 1318- 1336, ISSN 1532-5008.				
3.		/asić V., Marčetić D., Kulić F.: Influence of parameters detu Advances in Electrical and Computer Engineering, 2010, \					
4.	Reljić D., Vasić V., Oros D.: Power factor correction and harmonics mitigation based on phase shifting approach, 15. International						
5.	Rotor Spe	., Oros Đ., Milićević D., Matić D., Vasić V.: Vector Control o eed Estimation, 31. Power Electronics, Intelligent Motion, Po , pp. 608-612, ISBN 978-3-8007-3229-6					
6.		Marčetić D., Oros Đ., Kulić F.: Prediction of local instabilitie ce on Power Electronics and Applications, Barselona, 8-10					
7.	Francuski Lj., Kulić F., Dumnić B., Oros D.: Fuzzy PI Controller for Vector Control of Induction Machine, 9. NEUREL- Symposium						
8.	Reljić D., Vasić V., Oros Đ.: Power Quality Considerations of Variable Speed AC Drives, A Simulation Study, Paper No. T6-2.4, pp. 1-5,, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5						
9.	Reljić D., Milićević D., Adžić E., Dumnić B., Grabić S., Porobić V., Vekić M., Ivanović Z., Katić V., Vasić V., Marčetić D., Oros Đ., Čorba Z.: Modern Laboratory Tools for Experimental Research in the Field of Electric Drives, 15. International Symposium on Power Electronics Ee, Novi Sad: Društvo za energetsku elektroniku-Novi Sad, Elektrotehnički institut "Nikola Tesla"-Beograd, Fakultet tehničkih nauka-Novi Sad, 28-30 Oktobar, 2009, pp. 1-5, ISBN 978-86-7892-208-4						
10.	Ostojić D., Vasić V., Dujić D., Oros Đ.: The Influence of Parameter Mismatch on Natural Field Orientation Controlled Induction Motor Speed Estimation, 1. International Conference on Power Electronics and Intelligent Control for EnergyConservation, Varšava, 6-19 Oktobar, 2005						
Sur	Summary data for teacher's scientific or art and professional activity:						

Summary data for teacher's scientific or art and professional activity:							
Quotation total : 3							
Total of SCI(SSCI) list papers :	of SCI(SSCI) list papers : 4						
Current projects : Domestic : 1 International : 0							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Pantović B.						ovenke		
	e and last n emic title:	ame:			Pantović B. J. Full Professo			
			ubore the - '	ochorworks full these and	F H CT	or echnical Sciences - Novi Sad		
	e of the inst ng date:	itution v	where the te	acher works full time and	13.06.1993	chnical Scie	nces - Novi Sau	
	ntific or art f	ield:			Mathematics			
Acad	Academic carieer Year Institution						Field	
Acad	emic title el	lection:	2010				Mathematics	
PhD	thesis		2000	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Magi	ster thesis		1996	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesis	S	1991	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List c	f courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E145	Opera	tions Resea	arch		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
	2110	opola					er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	E213	Discre	Discrete Mathematics and Linear Algebra				asurement and Control Engineering, uate Academic Studies	
	LZIJ						tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
3.	F224A	A Mathematical Analysis 2				(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
5.	E221A	Maule	matical Ana	IIYSIS Z			asurement and Control Engineering, uate Academic Studies	
4.	GI101	Algebr	а			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
5.	H203	Mathe	matics 3			(H00) Mec	chatronics, Undergraduate Academic Studies	
6.	IAM002	Discre Graph		binatorial Methods for Co	mputer	(F10) Engineering Animation, Undergraduate Academic Studies		
7.	S053N	Opera	tions resear	reh		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
7.	303314	Opera	lions resear			(S01) Postal Traffic and Telecommunications, Undergraduate 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	
							ver, Electronic and Telecommunication g, Specialised Academic Studies	
						(112) Indus	strial Engineering, Specialised Academic Studies	
10.	DZ01MS	Select	ed Chapters	s in Mathematics		(122) Engineering Management, Specialised Academic Studies		
						(Z00) Environmental Engineering, Specialised Academic Studies		
11.	D0M08	Applie	d Abstract A	Algebra		(OM1) Mathematics in Engineering, Doctoral Academic Studies		
12.	D0M13	Theory of Mobile Processes				(OM1) Mathematics in Engineering, Doctoral Academic Studies		
13.	D0M14	Process Algebra				(OM1) Mathematics in Engineering, Doctoral Academic Studies		
14.	D0M22	Multiple-Valued Logic				(OM1) Mathematics in Engineering, Doctoral Academic Studies		
						-		



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



Study Programme Accreditation

Computing and Control Engineering

UNDERGRADUATE ACADEMIC STUDIES

List o	List 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, Doctor	al Academic		
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies				
				(E20) Computin Academic Studie	g and Control Engineering, es	Doctoral		
				(F00) Graphic E Studies	ngineering and Design, Do	ctoral Academic		
				(F20) Engineeri	ng Animation, Doctoral Aca	demic Studies		
				(G00) Civil Engi	neering, Doctoral Academic	c Studies		
				(GI0) Geodesy	and Geomatics, Doctoral Ac	cademic Studies		
16.	D701M	Selected Chapters in Mathematics		(H00) Mechatro	nics, Doctoral Academic St	udies		
10.	DZ01M	Selected Chapters in Mathematics		(I20) Industrial I Doctoral Acader	Engineering / Engineering M nic Studies	lanagement,		
				(M00) Mechanio	cal Engineering, Doctoral Ad	cademic Studies		
				(M40) Technica	I Mechanics, Doctoral Acad	emic Studies		
				(OM1) Mathema Studies	atics in Engineering, Doctor	al Academic		
				(S00) Traffic En	gineering, Doctoral Academ	nic Studies		
				(Z00) Environm Studies	ental Engineering, Doctoral	Academic		
				(Z01) Safety at	Work, Doctoral Academic S	tudies		
17.	AID05	Theory of Mobile Processes		(F20) Engineeri	ng Animation, Doctoral Aca	demic Studies		
18.	AID06	Graph theory		(F20) Engineeri	ng Animation, Doctoral Aca	demic Studies		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.		S., Pantović J., Žunić J.: Partitioning F is and Metaheuristics (editor: T. F. Go		nteger Grids with	Applications, chapter in: App	proximation		
2.		S., Pantović J., Žunić J.,Separating p etworks, 2007, Vol. 18, No. 5, 1356-13		rplanes - characte	ization problem, IEEE Trans	sactions on		
3.		ola Dezani-Ciancaglini, Silvia Ghilezai Sci, 2008, 402(2-3): 156-171	n, Jovanka Pantovic, I	Daniele Varacca:	Security types for dynamic v	veb data. Theor.		
4.	Pantović 2000, 36	J., Vojvodić D., On the cardinality of r 9-374.	onfinitely based funct	ionally complete a	llgebras, Algebra Universali	s, Vol. 43, No. 4,		
5.		J., Tošić R., Vojvodić G., The cardina lo.2, 1997, 136-140.	lity of functionally com	nplete algebras on	a three element set, Algeb	ra Universalis,		
6.		J., Machida H., Rosenberg I.: Regula No 1-3, pp. 149-162, ISSN 1542-3980	r sets of operations, .	lournal of Multiple	Valued Logic and Soft Con	nputing, 2012,		
7.	18, No 2,	H., Pantović J.: Three classes of max pp. 201-210, ISSN 1542-3980		•	. .			
8.	2009, pp.	J., Machida H.: Maximal hyperclones . 1-13, ISSN 1542-3980						
9.		J., Tošić R., Vojvodić G., Relative cor 2-3), 2001, 337-342.	npleteness with respe	ct to two unary fu	nctions, Discrete Applied Ma	athematics,		
10.		ola Dezani-Ciancaglini, Silvia Ghileza thy Global Computing, Lecture Notes				dings of		
-	,	for teacher's scientific or art and profe	, ,					
	Quotation total : 30							
		CI) list papers :	13					
Curre	ent projects	:	Domestic :	2	International :	3		





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name	ame and last name:				Pap I. Ištvan				
-	emic title:				Assistant Pro	fessor			
Name	e of the inst	itution v	vhere the te	acher works full time and	-				
starti	ng date:								
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:	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	Magister thesis 2		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 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.	RT43	Enging	oring of Co	moutor Pagad Systems		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	r 143	LIGILE	igineering of Computer Based Systems			Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
2.	RT52A	Dedica	ated Compu	iter Structure Design 1		Academic			
3.	RT52B	Dedicated Computer Structure Design for Processing			Signal	Engineerin	E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
4.	SE1006	Obiect	Oriented P	rogramming 2		Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
		0.0,000				Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
5.	SERT03	Embedded system design 1					tware Engineering and Information Technologies, luate Academic Studies		
						Academic			
6.	RT59	Real-Time System Design				 (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technolog Master Academic Studies 			
-									
						(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
7.	RT511			outer engineering and con	nputer	Académic			
			unications			Master Aca	tware Engineering and Information Technologies, ademic Studies		
8.	DRT10	Select system		of embedded computer b	based	(E20) Con Academic	nputing and Control Engineering, Doctoral Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.	Consume	er Electr		/egas: IEEE Consumer E			nent platform, 27. International Conference on 2, ISBN 978-1-4244-4701-5, UDK:		
2.		c B., Bje	lica M., Pa		o/video playba	ck control ba	ased on presence detection and user localization		
3.	Mrazovao Appliance	c B., Bje es, 1. IE	lica M., Tes EE Internat	ional Conference on Cons	sumer Electron	ics - Berlin (Safety and Energetic Efficiency of Home Electric (ICCE-Berlin), Berlin: IEEE Consumer Electronic abs_all.jsp?arnumber=6031795		
4.	Pap I., Ša Internatio	arić Z., \ nal Con	/ukosavljev iference on	S., Teslić N., Temerinac	M.: Hands-free	e Voice Com	Electronics Society, , pp. 1-2, ISBN 978-1-4244-		
5.				lands-free Voice Commur 98-3063, UDK: doi: 10.110			sactions 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 Computing and Control Engineering 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

Computing and Control Engineering

Nam	Name and last name: Pekarić-Nađ M. Neda							
	lemic title:	ame.			Full Professor			
		titution v	where the to	acher works full time and				
-	ng date:				01.07.1978			
Scier	ntific or art f	ield:			Theoretical Electrotechnics			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2001	Faculty of Technical Sci	ences - Novi Sa	ad	Theoretical Electrotechnics	
PhD	thesis		1984	School of Electrical Eng	ineering - Beog	rad	Electrical and Computer Engineering	
Magi	ster thesis		1981	School of Electrical Eng	ineering - Beog	rad	Electrical and Computer Engineering	
Bach	elor's thesis	s	1978	Faculty of Technical Sci	ences - Novi Sa	ad	Electrical and Computer 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	
1.	E216	Funda	mentals of	Electrical Engineering		Academic		
						(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
2.	1087	Electri	cal Enginee	ering in Industrial Enginee	ring	(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
3.	E105	Funda	mentals of	Electrical Engineering 1		Èngineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies asurement and Control Engineering,	
						Undergrad	uate Academic Studies	
4.	E110	Funda	mentals of	Electrical Engineering 2		Èngineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies asurement and Control Engineering,	
						Undergraduate Academic Studies (110) Industrial Engineering, Undergraduate Academic		
5.	II1007	Fundamental electrical engineering				Studies		
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	II1010	Contro	l of technic	al systems		(110) Industrial Engineering, Undergraduate Academic Studies		
7.	IM1022	Funda	mentals of	technical systems control		Studies	neering Management, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
8.	URZP12	Introdu	uction to ele	ectrical engineering		(ZP0) Disa	aster Risk Management and Fire Safety, uate Academic Studies	
9.	DE208S	Select	ed Chapter	s on Electromagnetic Con	npatibility		ver, Electronic and Telecommunication g, Specialised Academic Studies	
10.	DE408S	Select	ed chapters	inl electromagnetics			ver, Electronic and Telecommunication g, Specialised Academic Studies	
11.	URZP55	Fire ar	nd Explosio	n Protection due to Electri	icity	(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies	
12.	DE208	Select	ed Chapter	s on Electromagnetic Con	npatibility		ver, Electronic and Telecommunication g, Doctoral Academic Studies	
13.	DE408	Select	ed Chapter	s in Electromagnetics			ver, Electronic and Telecommunication g, Doctoral Academic Studies	
Rep	presentative	e reffere	nces (minin	num 5, not more than 10)				
1.	1. Neda Pekarić-Nadj, Vera Bajović, "Izbor rešenih problema iz Osnova elektrotehnike", Gradjevinska knjiga, Beograd, 2007							
2.								
3.	Nikolajević S, Pekarić-Nadj N, Dimitrijević R, "Optimization of cable terminations", IEEE Trans. PWRD,Vol.12, No 2, 1997 p.p. 527-532							
4.	Nikolajev			N, Dimitrijević R, "A new c me 13, No. 3, July 1998, r		truction of c	able terminations for medium voltages", IEEE	

4	TAS STU		UNIVERSITY OF NO	VI SAD		WAKNX M.		
IVE A	NULL ON OR	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			STATE -		
0.2		Study Programme Accreditation						
.0	LANTER	UNDERGRADUATE ACADEMIC	HON					
Re	presentative r	efferences (minimum 5, not more th	an 10)					
5.		kolović R., Sokolović S., Mihajlović eology, Industrial and Engineering (
6.	Buranj N., I	vilutinov M., Pekarić Nađ N.: Uređa	aj za izlaganje malih te	ečnih uzoraka ma	gnetskom polju, 2011			
7.	 Juhas A., Pekarić Nađ N., Herceg D.: Estimation of Human Exposure to Combined RF EM Field of Multiple Antennas, 5. International PhD Seminar on Computational Electromegnetics and Optimization inElectrical Engineering CEMOEE, Sofija: Proceedings of International PhD Seminar on Computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 September, 2010, 10-13 Septembar, 2010, pp. 27-31, ISBN 978-954-438-856-0 							
8.	Computation Seminar on	Pekarić Nađ N., Juhas A.: Shield s nal Electromegnetics and Optimiza Computational electromagnetics a , 2010, 10-13 Septembar, 2010, pp.	tion inElectrical Engin nd optimization in electrical engine in the second second second second second second s	eering CEMOEE, trical engineering	Sofija: Proceedings of Inter	mational PhD		
9.		., Juhas A., Pekarić Nađ N.: Power						
10.	Dimitrijević R., Tasić D., Raičević N., Aleksić S., Pekarić Nađ N.: Analysis of a MV XLPE Cable Termination Design with Embedded Electrodes, Facta universitatis - series: Electronics and Energetics, 2010, Vol. 23, No 1, pp. 99-117, ISSN 0353-3670							
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:					
Quo	tation total :		16					
Tota	I of SCI(SSCI)	list papers :	3					
Curr	ent projects :		Domestic :	2	International :	1		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Perišić R. Branko			
	emic title:	ani c .			Associate Professor			
		itution	vhere the te	acher works full time and				
	ng date:			aunor works full time allu	01.04.1983			
Scier	ntific or art f	ield:			Applied Computer Science and Informatics			
Acad	emic cariee	er	Year	Institution			Field	
	emic title el		2011	Faculty of Technical Sci			Applied Computer Science and Informatics	
Educ Thes	ation Speci	alist	2007	Software Engineering In University - Pittsburgh	stitute at Carna	gie Mellon	Computer Science	
	ation Speci	alist	2004	Software Engineering In University - Pittsburgh	stitute at Carna	gie Mellon	Computer Science	
	thesis		1994	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
Magi	ster thesis		1986	Faculty of Technical Sci			Applied Computer Science and Informatics	
Bach	elor's thesis	3	1977	Faculty of Electrical Eng	ineering - Sara	jevo	Electrical and Computer Engineering	
List o	f 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) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E235	Fundamentals of Information Systems and S Engineering			Software	(F10) Eng Studies	ineering Animation, Undergraduate Academic	
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
		242 Software Specification and Modeling				(E20) Computing and Control Engineering, Undergraduate Academic Studies		
2.	E242						tware Engineering and Information Technologies, luate Academic Studies	
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
3.	E2S40	Softwa	are Patterns	and Components		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
0.	22010	contine				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
4.	RI45	Software Design				 (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies Undergraduate Academic Studies 		
	1.10							
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
						(E20) Computing and Control Engineering, Undergraduate Academic Studies		
5.	RI53	Busine	ess Informa	tion Systems		Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
6.	ISIT22	Osnov	e baza pod	ataka		Undergrad	vare and Information Technologies (Inđija), luate Professional Studies	
7.	ISIT26	Upravl	janje projek	tima			vare and Information Technologies (Inđija), luate Professional Studies	
8.	ISIT28	Inform	aciona bezl	bednost			vare and Information Technologies (Inđija), luate Professional Studies	
9.	ISIT2E	Osnove projektovanja softvera				(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
10.	ISIT33	Integra	acija i verifik	acija softverskih aplikacija	a	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		



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



Study Programme Accreditation

a approdited study pro

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

List o	List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type			
11	SE0011	Introduction to Software Engineering	(SE0) Software Engineering and Infor Undergraduate Academic Studies			

			(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.	858402	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
13.	SES103	Oral and written communication skills	(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					
14	85.840	Cottuers potterns and components	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
14.	SES40	Software patterns and components	(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					
15	F2509	Agile Software Development Methodology	(E20) Computing and Control Engineering, Master Academic Studies					
15.	E2508	Agile Software Development Methodology	(SE0) Software Engineering and Information Technologies, Master Academic Studies					
			(E20) Computing and Control Engineering, Master Academic Studies					
10	50500	9 Protection and Recovery of Software Systems	(MR0) Measurement and Control Engineering, Master Academic Studies					
16.	E2509		(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					
10	F2522	Coffuero Standardization and Quality	(MR0) Measurement and Control Engineering, Master Academic Studies					
18.	E2522	Software Standardization and Quality	(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					
		Selected Tenico in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies					
21.	DAU014	Selected Topics in Computing	(OM1) Mathematics in Engineering, Doctoral Academic Studies					
22.	DRNI12	Selected Topics in Contemporary Software Development	(E20) Computing and Control Engineering, Doctoral Academic Studies					
	(F20) Engineering Animation, Doctoral Academic Studies							
Rep	oresentative	e refferences (minimum 5, not more than 10)						
1.	B. Perišić 2004	e, G. Milosavljević "A Method and Tool for Rapid Prototyping	of Large Scale Business Information Systems" COMSIS					
2.		., Milosavljević G., Dejanović I., Milosavljević B.: UML Profil r Science and Information Systems (ComSIS), 2011, Vol. 8,						
3.		ć I., Milosavljević G., Tumbas Živanov M., Perišić B.: A Dor 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					

ALL ST	TAS STUDIOR	FACULTY OF TECHNICAL SCI	TEJA OBRADOVIĆA 6	STITUTE AND				
0.2		Study Programme Accreditation						
·0,	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	- HOO		
Rep	presentative re	efferences (minimum 5, not more th	an 10)					
4.	Osnovi soft	verskog inženjerstva, Branko Periši	ć, edicija Tehničke na	uke, 2012 STILO	S Novi Sad			
5.	Osnovi raču STILOS No	unarstva - Metodička zbirka zadatał vi Sad	a - Matematičko-logič	ke osnove rada ra	ačunara, Edicija tehničke na	auke, 1996		
6.	Branko Per	išić "DMIS-Distributed Medical Infor	mation System Conce	ept&Structure", Sy	stemScienceJournal N0.1	Vol.13 1987		
7.	Dejanović I., Perišić B., Milosavljević G., Stričević N.: Towards a foundation for distributed version control of SLE artifacts. In 3rd International Workshop on Model-Based Software and Data Integration							
8.	Symposium	ić G., Dejanović I., Perišić B.: Read @MODELS 2011: Software Modeli de/documents/oInse-2-2011-EduSyr	ing in Education, page					
9.		ć G., Dejanović I., Perišić B., Milosa es in Databases and Information Sy				Applications,		
10.	Dejanović I., Tumbas Živanov M., Milosavljević G., Perišić B.: Comparison of Textual and Visual Notations of DOMMLite Domain- Specific Language, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 20-24							
Sur	mmary data fo	r teacher's scientific or art and profe	essional activity:					
Quot	tation total :		12					
	l of SCI(SSCI)	list papers :	4					
Curre	ent projects :		Domestic :	1	International :	6		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Petrovački						ki Lj. Nebojša		
	emic title:	ame.			Assistant Professor			
		titution v	where the te	acher works full time and				
-	ng date:							
Scier	ntific or art f	ield:			Automatic Co	ntrol and Sy	ystem Engineering	
Acad	emic caries	er	Year	Institution			Field	
Acad	emic title e	lection:	2009	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
PhD	thesis		2008	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Magi	ster thesis		2005	University of California, Angeles	Los Angeles - I	_OS	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 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	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(H00) Mea	chatronics, Undergraduate Academic Studies	
1.	E226	Autom	atic Contro	l Systems			asurement and Control Engineering, uate Academic Studies	
						(SEL) Sof	tware Engineering and Information Technologies - ndergraduate Academic Studies	
		8A Control Systems Technology					medical Engineering, Undergraduate Academic	
2.	E238A					(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
3.	M3408	Automatic Control Systems				(M40) Tec	chnical Mechanics and Technical Design, luate Academic Studies	
4.	BMI125	Biolog	ical Control	Systems			medical Engineering, Undergraduate Academic	
5.	EMSAU 1	Autom	atic Contro	Systems in Electronics		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
6.	GG226	Autom	atic control	systems in geomatics		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
7.	GG99	Geosp	atial techno	ologies - basics		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies	
8.	M3409	Autom	atic control	systems		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
9.	AU509	Nonlin	ear Control	Systems		(E20) Con Academic	nputing and Control Engineering, Master Studies	
9.	A0009		ear Control	oystems		(MR0) Measurement and Control Engineering, Master Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Master Studies	
10.	GIAU01	Geose	nsor netwo	rks		(MR0) Me Academic	asurement and Control Engineering, Master Studies	
							er, Electronic and Telecommunication Ig, Master Academic Studies	
11.	M3417	Applie	d industrial	automatization		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
12.	DGI018	Select	ed Chapter	s of Automatic Control Sy	stems	(GI0) Geo	desy and Geomatics, Doctoral Academic Studies	
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)				
1.							eme For Fractional Optimal Control Problems, iplinary Optimization, Springer, Berlin-Heidelberg	
2.	1 Nebojča Petrovački: Identifikacija, simulacija i upravljanje klasom EDEA pojačavača, Doktorska disertacija, Eakultet tehničkih							
۷.				Sad, decembar 2008. go				

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WHKHX H			
ALL SA		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSI ⁻	TEJA OBRADOVIĆA 6				
NO. NE		Study F	Study Programme Accreditation						
9	PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	Ho			
Re	presentative r	efferences (minimum 5, not more th	an 10)						
3.		Jeličić, Nebojša Petrovački: On The on Numerical Simulation of Optica							
4.	Spontaneo	Jeličić, Nebojša Petrovački: Fractio us Emission, in Book of Abstracts o Francisco, California							
5.		5.Nebojša Petrovački, Zoran D. Jeličić: Specific Optimal Control of Erbium-Doped Fiber Amplifiers, in The Proceedings of IFAC Workshop: Technology Transfer In Developing Countries: Automation in Infrastructure Creation, May 17-18, 2007 Izmir-Cesme, Turkey							
6.		Petrovački, Zoran D. Jeličić: Modelin uguese Conference on Automatic Co				ne Proceedings			
7.	6th IEEE In	Petrovački, Zoran D. Jeličić: Optima iternational Conference on Numeric September 11-14th 2006							
8.	Proceeding	Petrovački: Stationary Simulation of is of The 10th World Multi-Conferen orida (co-chair of the session)							
9.		9.Nebojša Petrovački: Erbium-Doped Fiber Amplifiers, invited talk at Department of Electrical and Computer Engineering of University of California, San Diego, April 14th, 2006.							
10.	11.Nebojša Petrovački: Gain Regulation In Erbium-Doped Fiber Amplifiers, in The Proceedings of The IEEE EUROCON 2005: The International Conference on Computer As A Tool, November 21-24, 2005, Belgrade, Serbia								
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:						
	tation total :		0						
	I of SCI(SSCI) list papers :	1		ı — — — — — — — — — — — — — — — — — — —				
Curr	ent projects :		Domestic :	0	International :	3			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

	Name and last name:				Pjevalica U. Nebojša			
	emic title:				Assistant Professor			
	e of the inst ng date:	titution v	vhere the te	acher works full time and				
	ntific or art f	ield:			01.08.1997 Electrical Measurements			
	emic carie		Year	Institution	Licentearmea	asurements	Field	
	emic title e		2008	Faculty of Technical Sci	ences - Novi S	ad	Electrical Measurements	
	thesis		2000	Faculty of Technical Sci			Electrical Measurements	
	ster thesis		2001	Faculty of Technical Sci			Electrical Measurements	
	elor's thesis	<u> </u>	1995	Faculty of Technical Sci			Electrical Measurements	
		-		acher in the accredited st				
	ID	Course	e name				gramme name, study type	
1.	E130	Electri	cal Measur	ements		(S00) Traf Academic	ffic and Transport Engineering, Undergraduate Studies	
						Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						Academic		
2.	E227A	27A Logic Design of Computer Systems 1				Academic		
	/					Undergrad	asurement and Control Engineering, uate Academic Studies	
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
		E244 Selected Chapters in Physical Architecture Design				(E20) Computing and Control Engineering, Undergraduate Academic Studies		
3.	E244				Design	Undergraduate Academic Studies		
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
4.	BMI115	Biome	dical Engin	eering in Cognitive Neuro	science	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
5.	El410	Biophy	/sics			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
6.	EIMET	Metrol	ogy				er, Electronic and Telecommunication g, Undergraduate Academic Studies	
7.	BMIM5A	Virtual	measurem	ent instrumentation in bio	medicine	(BM0) Biomedical Engineering, Master Academic Studies		
8.	BMIM5B	systen	ns	opment of medical device		, ,	medical Engineering, Master Academic Studies	
9.	BMIM5D			nce Devices in Biomedici		(BM0) Biomedical Engineering, Master Academic Studies		
10.	BMIM5E	Distrib		irement and acquisition s	ystems in	(BM0) Biomedical Engineering, Master Academic Studies		
Rep	oresentative			num 5, not more than 10)				
1.							ues in Multimedia/B-ISDN Based /5-428, Nis, Yugoslavia 1997.	
2.	A.Kozare	v, M. Ni	kolic, D. Mi		ntegrated Appro	ach to Publ	ic Telecommunication Network in Multimedia/B-	
3.	D. Zrilic,	N. Pjeva	alica, "Frequ		ment Based on	Two - Arm	Delta - Sigma Modulated Bridge", IMTC2001 udapest, Hungary 2001.	
4.	D. Zrilic,	N. Pjeva	alica, "Stoch		Jsing Delta - Si	gma Modula	ation", Proceedings of the Fifth Biannual World	
5.		N. Pjeva	alica, A Nev				g in Frequency Domain, JUKO CIRED 2006,	
6.	Djuro G. Zrilic, Nebojsa U. Pjevalica, "Frequency Deviation Measurement Based on Two-Arm D-S Modulated Bridge" IEEE Transactions on instrumentation and measurement, vol. 53, no.2, april 2004, pp.293-299.							
7.	N. Pjeval	ica, V. F	^p jevalica, "N	lerenja na visokonaponsk	oj distributivno	j mreži prim	enom digitalnih mernih pretvarača", Simpozijum o	
<u> </u>	merenjima i mernoj opremi, Zbornik radova, knjiga prva, pp505-513, Beograd, Yugoslavia,1998.							

STAS STUR			NUKNX L						
IVE B	COLOR I	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
0.20		Study F	Programme A	ccreditation	COL				
.0	PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing and Control Engineering	HO				
Re	Representative refferences (minimum 5, not more than 10)								
8.	V. Vujičić, N 2000	N. Pjevalica, "Stohastička realizacija	u digitalnih filtara", D.O.0	G.S. 2000 zbornik radova, pp.60-63, Novi	Sad, Yugoslavia				
9.	N. Pjevalica Yugoslavia		osti", Kongres metrolog	a Jugoslavije 2000, (CD-ROM zbornik rad	ova), Novi Sad,				
10.	J. Tomić, N	. Pjevalica, Integrisano merilo harm	onika, Kongres metrolo	ga, Beograd, 2005 godina.					
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:						
Quo	tation total :								
Tota	l of SCI(SSCI)	list papers :							
Curr	ent projects :		Domestic :	International :					





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

							r	
	e and last n	ame:			Popov B. Srđan Assistant Professor			
	emic title:				Faculty of Technical Sciences - Novi Sad			
	e of the inst ng date:	itution v	vnere the te	acher works full time and	05.09.2001			
	ntific or art f	ield:			Applied Computer Science and Informatics			
Academic carieer Year Institution					Applied Collin	Field		
	emic title e		2012	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics	
	thesis		2012	Faculty of Technical Sci			Electrical and Computer Engineering	
	ster thesis		2011	Faculty of Technical Sci			Electrical and Computer Engineering	
	elor's thesis		1999	Faculty of Technical Sci			Electrical and Computer Engineering	
		-		acher in the accredited stu				
		eing ne			ady programme			
	ID	Course	e name			Study pro	gramme name, study type	
1.	E111	Progra	umming Lar	guages and Data Structu	res	Èngineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
							asurement and Control Engineering, uate Academic Studies	
2.	E214	Progra	immina l ar	guages and Data Structu	res	Académic		
						Academic		
3.	URZP11	Fundamentals of Information Technologies				(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
4.	URZP23	3 Applied Information Technologies				(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
5.	URZP44	Application of geoinformation technology in risk management			n risk		aster Risk Management and Fire Safety, uate Academic Studies	
6.	IMDS45	Application of information and satellite technology in risi management			nology in risk	(I22) Engi Studies	neering Management, Specialised Academic	
7.	E2534	Data (Compressio	-		(E20) Con Academic	nputing and Control Engineering, Master Studies	
7.	E2554	Dala	Joinpressio	11		(SE0) Software Engineering and Information Technologies, Master Academic Studies		
						(E20) Computing and Control Engineering, Doctoral Academic Studies		
8.	DRNI01	NI01 Selected Topics in Computer Programming				(H00) Mechatronics, Doctoral Academic Studies		
						(OM1) Mathematics in Engineering, Doctoral Academic Studies		
9.	IMDR45		ation of Info lanagemen	rmation and Satellite Tec t	hnologies in	· · ·	strial Engineering / Engineering Management, cademic Studies	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.	bound po	lycyclic	aromatic h	J., Turk Sekulić M., Vojino ⁄drocarbons in the vicinity 2J, Hemijska industrija, 20	of the industria	al zone of th	.: Identification of emission sources of particle- e city of Novi Sad DOI:	
2.	Ćosić Đ.,	Popov	S., Sakulsk		ormation Techr		isaster Risk Assessment, Acta Geotechnica	
3.	Malbaški	D., Kup	usinac A., I		Coding Style or		bility of C Programs, TTEM. Tehnics tehnologies	
4.							Disaster Risk Reduction, 1. International ce, 5 Maj, 2012, pp. 15-16, ISBN 978-86-7031-	
5.				/ S., Pavlović A., Laban M /, Bar: Fakultet za pomors			ent and fire safety, 1. International conference 2, pp. 75-81	
6.							Luhović A.: The aspect of bringing data in anagement", UDK: 37.01:004 (082)	
7.		ja, Tem	atski zborni				ava poplave i suše u cilju poboljšanja planiranja 2, No 12, pp. 136-146, ISSN 978-86-7520-107-6,	

c	TAS STUR		UNIVERSITY OF NO		JUKHX L			
IVER DE	NOR CHARLEN	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSI ⁻	TEJA OBRADOVIĆA 6	STATE		
200		Study F	Programme A	ccreditatio	on	Sec.		
6	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering			
Representative refferences (minimum 5, not more than 10)								
8.		, Popov S., Ćosić Đ., Sakulski D.: I ijeke pod brojem 121219001	mpact of Visualization	on Data Availabi	lity, UDK: CIP je dostupan	u Univerzitetskoj		
9.		adnjarević I., Vrtunski M., Popov S. ational Symposium on Intelligent S						
10.		Pavlović A., Ćosić Đ., Hlebjan M.: Ir Systems and Informatics (SISY), Su				al Symposium on		
Su	mmary data fo	r teacher's scientific or art and prof	essional activity:					
Quot	tation total :		0					
Tota	I of SCI(SSCI)	list papers :	3					
Curr	ent projects :		Domestic :	2	International :	0		





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Popović V. Miroslav			
	emic title:	ane.			Full Professor			
		litution	whore the t-	achor works full time and	Faculty of Technical Sciences - Novi Sad			
	e of the inst ng date:		where the te	eacher works full time and	21.03.1985			
	ntific or art f	ield:			Computer Engineering and Computer Communication			
	emic cariee		Year	Institution	Field			
	emic title el		2002	Faculty of Technical Sci	ences - Novi S	ad	Computer Engineering and Computer Communication	
PhD	thesis		1990	Faculty of Technical Sci	ences - Novi S	ad	Electrical and Computer Engineering	
Magi	ster thesis		1988	Faculty of Technical Sci	ences - Novi S	ad	Electrical and Computer Engineering	
Bach	elor's thesis	s	1984	Faculty of Technical Sci	ences - Novi S	ad	Electrical and Computer Engineering	
List c	f 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	
1.	. E23A2 Real Time System Programming 1					tware Engineering and Information Technologies - ndergraduate Academic Studies		
						(E10) Pow	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	E23M	3M Real Time System Programming 2				(ES0) Power Software Engineering, Undergraduate Academic Studies		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
2	SEO022	Doroll	Drogram	ning		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
3.	SE0032		el Programr	IIIIY			tware Engineering and Information Technologies - ndergraduate Academic Studies	
4.	SE1006	Ohiect		Programming 2			tware Engineering and Information Technologies, uate Academic Studies	
4.		Object				(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
5.	SERT01	Syster	n Programr	ning 1		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
6.	RT57			ommunications and Comp	outer	(E20) Computing and Control Engineering, Master Academic Studies		
υ.	11107	Netwo	rks 2			(SE0) Software Engineering and Information Technologies, Master Academic Studies		
7.	RT511			puter engineering and con	nputer	(E20) Con Academic	nputing and Control Engineering, Master Studies	
٢.	NIJ11	comm	unications				tware Engineering and Information Technologies, ademic Studies	
8.	DAU002	Select	ed Chapter	s in Computing		(F00) Gra Studies	phic Engineering and Design, Doctoral Academic	
						(H00) Med	chatronics, Doctoral Academic Studies	
9.	DRT01	Select	ed Chapter	s in Real Time Systems S	oftware	Àcadémic		
10		Solart	od Topics in	n Computing		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
10.	DAU014	Select	eu ropics li	n Computing		(OM1) Mathematics in Engineering, Doctoral Academic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.				v Popović, Sistemska prog Novom Sadu, Fakultet teł			n vremenu 1: Programski alati i paralelno	
2.							n vremenu 2: Operativni sistemi za rad u realnom	
	vremenu, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, 2011.							

5	TAS STUD		UNIVERSITY OF NO	VI SAD		WHKNX HA			
ALL ST	NOR COR	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
220005		Study F	Programme A	Accreditati	on	Contraction of the			
6	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	HOP HOP			
Re	presentative r	efferences (minimum 5, not more th	an 10)						
3.	Miroslav Po	opović, Communication Protocol En	gineering, CRC Press	, Boca Raton, Flo	orida, 2006, ISBN 0849398	142.			
4.		Erdeljan A., Popović M., Švenda G.: 0, str. 555-558, ISBN 978-3-642-15		ship-Based Partit	ioning of Large Datasets, L	NCS, Springer			
5.	Popović M., Bašičević I.: Test case generation for the task tree type of architecture, Information and Software Technology, Elsevier, 2010, Vol. 52, No 6, pp. 697-706, ISSN 0950-5849								
6.	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								
7.	Čapko D., I Systems, E	Erdeljan A., Švenda G., Popović M.: Electronics and electrical engineering	A Dynamic Repartiti g, 2012, Vol. 5, No 12	oning of Large Da 1, pp. 1392-1215	ata Model in Distribution Ma , ISSN 1392-1215	anagement			
8.		Erdeljan A., Popović M., Švenda G.: Advances in Electrical and Compute				ement Systems,			
9.		, Kukolj D., Popović M.: On the app tions, Applied Intelligence, 2010, Vo	,		proach to High Altitude Plat	form			
10.	Pačičović L. Papović M Uso of SIP Protocol in Development of Tolecom Services - Journal of The Communications Natwork								
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:						
	tation total :		216						
Tota	l of SCI(SSCI)) list papers :	11						
Current projects :			Domestic :	1	International :	1			





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:						Pribičević I. Boško				
	demic title:					Guest Professor				
	e of the inst ing date:	itution w	here the te	acher works full time	e and	-				
	ntific or art f	ield:				Geodesy				
	demic caries		Year	Institution	Ł	j		Field		
Acad	demic title el	ection:	2010					Geodesy		
PhD	thesis		2000					Geodesy		
Mag	ister thesis		1999					Geodesy		
Bach	nelor's thesis	S	1986					Geodesy		
List o	of courses b	eing held	d by the tea	acher in the accredite	ed stud	dy programme	es			
	ID Course name					Study pro	ogramme name, study type			
1.	E241	Geospa	atial Techn	ologies			(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
2.	GI003	Geospa	atial Data I	nfrastructure			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
3.	GI014	Celestia	al Mechani	cs			Studies	desy and Geomatics, Undergraduate Academic		
4.	GI016	Physica	al Geodesy	,			Studies	desy and Geomatics, Undergraduate Academic		
5.	GI020	Laser Scanning of Terrain and Objects			8		(GI0) Geo Studies	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
6.	GI504	Advanced Techniques of Laser Scanning				· ,	desy and Geomatics, Master Academic Studies			
7.	SDGI08	Selected topics in laser scanning					(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
8.	DGI006	Selected Chapters in Real Estate Cadastre				, ,	desy and Geomatics, Doctoral Academic Studies			
9.	DGI010					· /	desy and Geomatics, Doctoral Academic Studies			
10.	DGI011	11 Selected Chapters in Deformation Analysis a Measurements			and	(GI0) Geo	desy and Geomatics, Doctoral Academic Studies			
11.	DGI012	Selecte	d topics in	integrated systems of	of surv	/eying	(GI0) Geo	desy and Geomatics, Doctoral Academic Studies		
12.	DGI015	Selecte	d topics in	geophysics			(GI0) Geo	desy and Geomatics, Doctoral Academic Studies		
Re	presentative	refferen	ices (minim	num 5, not more than	า 10)					
1.	Precise g	eodetic a	and hydrog	raphic measurement	ts in ka	arst areas. Re	ports on Ge	eodesy. 2(83) (2007) ; 63-68 . article		
2.				al Geodynamic Test-, stitute of Geodesy an				GOP-2 Project Reports on Geodesy.Warsaw)6) , 4; 165-172		
3.				nformation systems a v. 79 (2006) , 4; 181-*		/drographic su	irveying in th	he international geodynamic test area Plitvice		
4.	Five year	s of EUR	REF-perma	nent GPS-stations in	n Croat	tia. Reports or	n Geodesy.	76 (2006) , 1; 91-98		
5.	Geodesy	, tectonic	s and geo	dyinamics of Dinnario	des. R	EPORTS ON	GEODESY	76 (2006) , 1; 85-90		
6.								nation of geodetic and geologic methods. eništvo in geodezijo, Univerza v Ljubljani, 2002.		
7.	Geostatis	tička ana	aliza batim	ško; Krivoruchko Kor etrijskih mjerenja na skoga geodetskog dr	primje	eru jezera Koz		2		
8.	Progušće	nje točal	ka Geodina	amir; Đapo Almin: amičke mreže Grada), 4; 247-258	Zagre	eba u podsljen	nenskoj zon	i.		
9.	Using Tri Dimensio			hnologies when Impr	roving	Technical Do	cumentatior	n of an Oil/Gas Facility, Las Vegas, Trimble		
10.	Applicatio	on of Ter	restrial Las	er Scanning in Adva	inced (Construction S	Survey, SPA	R Conference, Houston, 05.03.2009.		
Su	mmary data	for teach	ner's scient	tific or art and profess	sional	activity:				
	tation total :			C						
	l of SCI(SS	, ,	apers :	6						
Curr	Current projects : Domestic : 0 International : 0					International : 0				





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Radiv						adivojavić D. Podač		
		ame:			Radivojević D. Radoš Full Professor			
	demic title:				Faculty of Technical Sciences - Novi Sad			
	e of the inst ing date:	titution v	vhere the te	eacher works full time and				
	ntific or art f	iold:			01.09.1991 Sociology			
	demic carie		Year	Institution	Sociology			
					anaaa Naui Ci	- d		
	demic title e	lection:	2001	Faculty of Technical Sci		ad	Sociology	
=	thesis		1990	Faculty of Philosophy - I			Sociology	
—	ister thesis		1983	Faculty of Philosophy - I	0		Sociology	
	nelor's thesis	-	1973	Faculty of Philosophy - I			Sociology	
List	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	
						Èngineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
1.	E106	Sociol	ogy of Tech	nnique		Undergrad	asurement and Control Engineering, uate Academic Studies	
		E106 Sociology of Technique				Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
2.	E251	Sociol	ogical Aspe	ects of Technical Developr	nent	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
						Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
3.	E251A	Sociol	ogical Aspe	ects of Technical Developr	nent	ent (E20) Computing and Control Engineering, Undergradua Academic Studies		
			<u> </u>			Academic		
4.	F108		ogy of Cultu			(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
5.	GG02		0,	onomics in Civil Engineeri	ng	(G00) Civil Engineering, Undergraduate Academic Studies		
6.	GG105	Sociol	ogy of Worl	K		(G00) Civil Engineering, Undergraduate Academic Studies		
7.	M318	Sociol	ogy of Tech	nnique		Studies	ineering Animation, Undergraduate Academic desy and Geomatics, Undergraduate Academic	
						(H00) Mechatronics, Undergraduate Academic Studies		
8.	Z310	Social	Ecology			, ,	ronmental Engineering, Undergraduate Academic	
9.	A206	Sociol	ogy and Ec	onomy of the Built Enviror	nent	(A00) Architecture, Undergraduate Academic Studies		
10.	ASO311	Sociol	ogy of Art a	ind Culture			nic Architecture, Technique and Design, uate Academic Studies	
11.	ETI41	Sociol	ogy of Tech	nnique		(E02) Elect Profession	ctronics and Telecommunications, Undergraduate al Studies	
12.	IM1003	Sociol	ogy of Worl	κ		Studies	strial Engineering, Undergraduate Academic neering Management, Undergraduate Academic	
13.	A005S	Urban sociology and economics: selected chapters			hapters		nitecture, Specialised Academic Studies	
14.	ZRMI3A		•••	Legal Aspects of Occupati	-	, ,	ety at Work, Master Academic Studies	
15.	A005		<u> </u>	and Economics – Selected		, ,	hitecture, Doctoral Academic Studies	
			0,7	num 5, not more than 10)		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
1.6			•					
	1. Sociologija nauke, Stylos, Novi Sad, 1997.							
	-							
1. 2.	-	društvo	, Fakultet t	ehničkih nauka, Novi Sad,	2003.			



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

Study Programme Accreditation

INDERGRADUATE ACADEMIC STUDIES Comput

SAMTER .

UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering										
Rep	Representative refferences (minimum 5, not more than 10)									
4.	Fakultet te	nničkih nauka-Razvoj, delatnost, rez	ultati, Novi Sad, 2006	•						
5.	Karakteristike inženjersko ekonomskog proučavanja organizacije rada, Sociološki pregled br. 1-2, Beograd, 1984.									
6.	Socijalizam kao neproduktivni sistem, Sociološki pregled br 1-2, Beograd, 1994.									
7.	Karakteristike empirijskog proučavanja organizacije rada, Sociologija br 4, 1985.									
8.	Milićeva sociogija saznanja, Sociogija br 4, Beograd, 1997.									
9.	Socio-psyc 2006.	hological consequnences of the floo	d-an Example of Jasa	Tomic, Editors:S	itevan Bruk&Tiosav Petkovic	, Belgrade,				
10.	Gordana Vuksanović, Radoš Radivojević, THE ROLE OF CHILDREN IN INVESTIGATING AND ELIMINATING THE CONSEQUENCES OF NATURAL DISASTERS									
Sur	mmary data fo	or teacher's scientific or art and profe	essional activity:							
Quot	tation total :		0							
Tota	l of SCI(SSCI) list papers :	3							
Current projects : Domestic : 2 International :						1				





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nam								
Name and last name: Academic title:					Rakić S. Predrag			
					Assistant Professor Faculty of Technical Sciences - Novi Sad			
	e of the insl ing date:	titution v	vhere the te	acher works full time and				
	ntific or art f	ield:			01.01.2003 Applied Computer Science and Informatics			
	demic carie		Year	Institution	Applied Collin		Field	
	demic title el		2011		onoon Novi S	od		
	thesis	lection.	2011	Faculty of Technical Sci Faculty of Technical Sci			Applied Computer Science and Informatics	
			2011	,			Applied Computer Science and Informatics	
	ister thesis nelor's thesis		2006	Faculty of Technical Sci			Applied Computer Science and Informatics Applied Computer Science and Informatics	
		-		Faculty of Technical Sci			Applied Computer Science and Informatics	
LISU		eing ne	id by the te	acher in the accredited stu	udy programme	1		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E225	Opera	ting System	IS		Academic	ver Software Engineering, Undergraduate	
2.	EE301	Opera	ting System	is and Competitive Progra	amming	Undergrad	asurement and Control Engineering, uate Academic Studies	
						Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
3.	ISIT04	4 Osnove računara				(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
4.	4. SE0014 Computer organisation				(SE0) Software Engineering and Information Techno Undergraduate Academic Studies			
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
5.	SE0031	Onera	ting System	IS			tware Engineering and Information Technologies, uate Academic Studies	
0.	020001	opola					tware Engineering and Information Technologies - ndergraduate Academic Studies	
6.	SE0033	Gener	ic and Meta	Programming			tware Engineering and Information Technologies, uate Academic Studies	
0.	020000	Gener		i rogramming	(SEL) Software Engineering and Information Techn Loznica, Undergraduate Academic Studies			
7.	SEM099	Progra	amm Optimi	zation		(SE0) Software Engineering and Information Technologies, Master Academic Studies		
Rep	presentative	e reffere	nces (minin	num 5, not more than 10)				
1.		etric nor					PI–CUDA parallelization of a finite-strip program oftware, 2011, Vol. 42, No 5, pp. 273-285, ISSN	
2.	Harmonio	c Couple	ed Finite Sti		ge Displaceme	nt Stability A	pe of MPI/OpenMP/CUDA Parallelization of Analysis of Prismatic Shell Structures, Computer SN 1820-0214	
3.	Živanov Ž	Ž., Rakio	ć P., Hajduł	, ,	ucational opera	ting system	, Computer Science and Information Systems	
4.	Rakić P., Septemb			džin Z.: Statically Typed N	Matrix: in C lib	rary, 5. Balk	an Conference in Informatics, Novi Sad, 16-20	
5.	MPI Clus	ter by U	sing Multip		komunikacioni		Program Execution Speed Improvement on an FOR, Beograd: Telecommunications Society, 20-	
6.				ović M.: Wireless sensor stems (ComSIS), 2008, Vo			amming and simulation system, Computer SN 1820-0214	
7.				ović M.: Using code gene IS), 2008, Vol. 5, No 1, pr			ping kiosk applications, Computer Science and	
8.				Rakić P., Suvajdžin Z., Nik Supported by Automatic V		ović M., Bor	ković A., Milaković I.: A Finite-Strip Analysis of	
9.				Živanov Ž., Rakić P., Hajd I Finite-Strip Method	luković M., Fur	tula B.: Larç	ge Displacement Stability Analysis of Columns	

SITAS STUD		UNIVERSITY OF NOVI SAD						
	FACULTY OF TECHNICAL SC	IENCES 21000 NOVI	SAD, TRG DOSI	TEJA OBRADOVIĆA 6	a Ne			
120000	Study F	Study Programme Accreditation						
PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing and Control Engineering					
Representativ	e refferences (minimum 5, not more th	han 10)						
10. Rakić P Beograd	, Stričević L., Živanov Ž., Suvajdžin Z. , 2007, Vol. 6, No 21, pp. 9-13, ISSN	., Hajduković M.: Raču 1450-6254, UDK: 659.	narska učionica · 25	- iskustva u pripremi i korišć	enju, INFO M,			
Summary dat	a for teacher's scientific or art and prof	fessional activity:						
Quotation total		0	0					
Total of SCI(SS	CI) list papers :	5						
Current project	3:	Domestic :	1	International :	0			





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Rapaić R. M						20		
	demic title:	ante.			Rapaić R. Milan Assistant Professor			
		itution	whore the te	achar works full time and	Faculty of Technical Sciences - Novi Sad			
	ie of the inst ing date:	itution V	mere (ne (e	acher works full time and	01.12.2006			
						Automatic Control and System Engineering		
	demic caries		Year	Institution		Field		
	demic title el		2011	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
	thesis		2011	Faculty of Technical Sci			Automatic Control and System Engineering	
Mas	ter's thesis		2006	Faculty of Technical Sci			Automatic Control and System Engineering	
List	of courses b	eing he	d by the tea	acher in the accredited stu				
ID Course name							gramme name, study type	
1.	AU41	Digital	Control Sys	stems		Academic	nputing and Control Engineering, Undergraduate Studies asurement and Control Engineering,	
└──						Undergrad	uate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	E237	Optimi	zation Meth	ods		Undergrad	asurement and Control Engineering, uate Academic Studies	
						(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
3.	E237A	Optimization Methods				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
4.	GI005	Intelligent Control Systems				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
5.	H1405	Optimization Methods				(H00) Mec	chatronics, Undergraduate Academic Studies	
6.	H302	Contro	I Systems 2	2		(H00) Mec	chatronics, Undergraduate Academic Studies	
7.	BM118A	Nonlin	ear progran	nming and optimal control		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
8.	BM130A	Digital	control sys	tems in bioengineering		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
9.	E2316	Real-ti	me control	systems		(E20) Computing and Control Engineering, Undergraduate Academic Studies		
10.	SEAU01	Nonlin	ear progran	nming and evolutionary co	omputations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
11.	SEAU03	Real-ti	me control	algorithms		(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
12.	AU511	11 Adaptive and Advanced Control				(E20) Con Academic	nputing and Control Engineering, Master Studies	
12.	70311					(MR0) Me Academic	asurement and Control Engineering, Master Studies	
13.	A118S	urbani	sm	chnologies applied to arch		. ,	nitecture, Specialised Academic Studies	
14.	AT03	Optimi design		control techniques in arch	itectural	()	nitecture, Master Academic Studies	
15.	AT04			ories and technologies ap nism and design 1	oplied to	Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies hitecture, Master Academic Studies	
16.	AT05			ories and technologies an nism and design 2	oplied to	,	nitecture, Master Academic Studies	
47					tomo	(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
17.	DAU010					(OM1) Mathematics in Engineering, Doctoral Academic Studies		
	A118	Contemporary technologies applied to architec urbanism			itecture and	(A00) Arch	nitecture, Doctoral Academic Studies	





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study program	ne name, study type				
19.	DAU005	Selected Chapters in Optimization M	lethods	(E20) Computin Academic Studie	g and Control Engineering, I es	Doctoral			
Rep	Representative refferences (minimum 5, not more than 10)								
1.	Milan R. Rapaić, "Optimalno i suboptimalno upravljanje klasom sistema sa raspodeljenim parametrima", doktorska disertacija, FTN Novi Sad, 2011								
2.	Milena Petković, Milan R. Rapaić, Zoran D. Jeličić, Alessandro Pisano (2012) On-line adaptive clustering for process monitoring and fault detection, Expert Systems with Applications, Volume 39 Issue 11, September, 2012 Pages 10226-10235								
3.	Milan R. Rapaić, Zoran D. Jeličić, Optimal control of heat diffusion systems, Nonlinear Dynamics, Vol 62, Number 1-2, 39-51, 2010								
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. Rapaic, Zeljko Kanovic, Time-Varying PSO - Convergence Analysis, Convergence Related Parameterization and New Parameter Adjustment Schemes, Information Processing Letters, 109 (2009) 548–552								
7.	Milan R. Rapaić, Tomislav B. Šekara, Novel direct optimal and indirect method for discretization of linear fractional systems, Electrical Engineering, DOI: 10.1007/s00202-011-0195-5								
8.	Jovan K. Popović, Milica T. Atanacković, Ana S. Pilipović, Milan R. Rapaić, Teodor M. Atanacković, Stevan Pilipović, A new approach to the compartmental analysis in pharmacokinetics: fractional time evolution of diclofenac, Journal of Pharmacokinetics and Pharmacodynamics, Vol. 37, No. 2, (2010) 119-134								
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)								
Summary data for teacher's scientific or art and professional activity:									
	Quotation total : 85								
	Total of SCI(SSCI) list papers : 11								
Current projects : Domestic : 0 International : 0						0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Ristić V. Aleksandar				
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and									
starting date:					01.02.2000				
Scientific or art field:					Automatic Control and System Engineering				
Acad	emic caries	er	Year	Institution	Field				
Academic title election: 2009 Faculty of Technical Scie			ences - Novi Sad AL		Automatic Control and System Engineering				
PhD thesis 2009 Faculty of Technical Scie			nces - Novi Sad Automatic Control and System En		Automatic Control and System Engineering				
Magister thesis 2001 Faculty of Technical Scie			ences - Novi S	, , , , , , , , , , , , , , , , , , , ,					
Bachelor's thesis 1999 Faculty of Technical Scie			ences - Novi S	Sad Automatic Control and System Engineering					
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	nmes			
	ID	Course name				Study programme name, study type			
	E226	Automatic Control Systems				 (E20) Computing and Control Engineering, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies 			
1.						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
					Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies			
2.	GI014	Celestial Mechanics				(GI0) Geo Studies	odesy and Geomatics, Undergraduate Academic		
3.	GI016	Physical Geodesy				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
4.	GI025B	Geodetic Metrology				(GI0) Geo Studies	odesy and Geomatics, Undergraduate Academic		
5.	GI404A	Digital Terrain Models				(GI0) Geo Studies	GI0) Geodesy and Geomatics, Undergraduate Academic tudies		
6.	GI409A	Underground Infrastructure Detection				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
7.	M3408	Automatic Control Systems					40) Technical Mechanics and Technical Design, dergraduate Academic Studies		
8.	BM119A	The application of geoinformation technolog systems in medicine			gies and	(BM0) Bio Studies	10) Biomedical Engineering, Undergraduate Academic dies		
9.	GG226	Automatic control systems in geomatics				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
10.	GG99	Geospatial technologies - basics					(P0) Disaster Risk Management and Fire Safety, ndergraduate Academic Studies		
11.	M3409	Automatic control systems					Energy and Process Engineering, Undergraduate nic Studies		
12.	ZC037	Automation applied in the industry and build			lings	(ZC0) Clea Academic	lean Energy Technologies, Undergraduate c Studies		
13.	GI600	Applied Geophysics in Geomatics			· · /	desy and Geomatics, Master Academic Studies			
14.	GI532	Advanced Remote Sensing Technologies				(GI0) Geo	desy and Geomatics, Master Academic Studies		
15.	GI537	Geosensor networks					desy and Geomatics, Master Academic Studies		
16.	M3417	Applied industrial automatization				(M30) Ene Studies	ergy and Process Engineering, Master Academic		
17.	SDGI01	Selected topics in geoinformation systems				(GI0) Geo Studies	GI0) Geodesy and Geomatics, Specialised Academic udies		
18.	SDGI04				(GI0) Geo Studies	(GI0) Geodesy and Geomatics, Specialised Academic Studies			
19.	SDGI13	Selected topics in spatial data infrastructure)	(GI0) Geodesy and Geomatics, Specialised Academic Studies			
20.	DGI001	Selected Chapters in Geoinformation System				(GI0) Geodesy and Geomatics, Doctoral Academic Studies			
21.	DGI004	Selected Chapters in Underground Infrastruc			cture Utility	(GI0) Geodesy and Geomatics, Doctoral Academic Studies			
22.	DG1006	Delection				(GI0) Geo	eodesy and Geomatics, Doctoral Academic Studies		
23.	DG1009					· · /	Geodesy and Geomatics, Doctoral Academic Studies		
23.	P.G1009	Colocieu onapiers in Givos Systems					acey and Ocomatice, Doctoral Academic Studies		

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

t of courses being held by the teacher in the accredited study programmes

List c	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study program	me name, study type			
24.	DGI010	Selected Chapters in Landscape Arr	rangement	(GI0) Geodesy	and Geomatics, Doctoral Ad	cademic Studies		
25.	DGI016	Selected Chapters in Systems and S	Signals	(GI0) Geodesy	and Geomatics, Doctoral Ad	cademic Studies		
26.	DGI018	Selected Chapters of Automatic Cor	ntrol Systems	(GI0) Geodesy	(GI0) Geodesy and Geomatics, Doctoral Academic Studi			
Rep	Representative refferences (minimum 5, not more than 10)							
1.	Object ar	Aleksandar Ristić, Dušan Petrovački, Miro Govedarica: A New Method to Simultaneously Estimate the Radius of a Cylindrical Object and the Wave Propagation Velocity from GPR Data, Computers & Geosciences, 2009, Vol. 35, Broj 8, str. 1620-1630, ISSN 0098-3004, (IF2010 1.416)						
2.	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)							
3.	Aleksandar Ristić, Biljana Abolmasov, Miro Govedarica, Dušan Petrovački, Aleksandra Ristić: Shallow-landslide spatial structure interpretation using a multi-geophysical approach, Acta geotechnica slovenica, (2012), vol. 9, issue 1, pp 46-59, (IF 2011, 0.100)							
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.	Ristić Aleksandar, Govedarica Miro, Petrovački Dušan: GNSS status and perspective, Časopis za procesnu tehniku i energetiku u poljoprivredi (PTEP) 2010, ISSN: 1821-4487, Vol. 14, No. 1, Str. 6-10, UDK 63:004(497.11)							
6.	Ristić Aleksandar, Petrovački Dušan, Govedarica Miro: Radar Remote Sensing Technologies - the Usage in Agriculture, Časopis za procesnu tehniku i energetiku u poljoprivredi (PTEP) 2010, ISSN: 1821-4487, Vol. 14, No. 2, Str. 76-80, UDK 621.396.96(075.8)							
7.	Ristić A., Petrovački D., Govedarica M., Popov S.: Detekcija podzemnih voda i tokova Georadarom, Vodoprivreda, 2007, Vol. 39, Broj 229-230, str. 344-349, ISSN 0350-0519, UDK: 551.491.5							
8.	Ristić A., Petrovački D., Govedarica M. : Flooding bank structure modelling using GPR, GNSS and airborne laser scanning technologies, 3. The International Symposium on Global Navigation Satellite Systems, Space-Based and Ground-Based Augmentation Systems and Applications, Berlin: Senate Department for Urban Development Berlin, 30-2 Novembar, 2009, str. 99-103, ISBN 978-3-938373-93-4							
9.	Ristić A., Govedarica M., Petrovački D. : Landslide analysis using GPR, GNSS and terrestrial laser scanning technologies, 3. The International Symposium on Global Navigation Satellite Systems, Space- Based and Ground-Based Augmentation Systems and Applications, Berlin: Senate Department for Urban Development Berlin, 30-2 Novembar, 2009, str. 90-94, ISBN 978-3-938373-93-4							
10.	Govedarica M., Petrovački D., Ristić A:GNSS - Based Ground Penetration Radar Applications, 2. The International Symposium on Global Navigation Satellite Systems, Space-Based and Ground-Based Augmentation Systems and Applications, Berlin: Senate Department for Urban Development Berlin, EUPOS ISC, UN OOSA, ICG, 11-14 Novembar, 2008, str. 93-94							
Summary data for teacher's scientific or art and professional activity:								
Quotation total : 2								
Total of SCI(SSCI) list papers : 3						1.		
Curre	Current projects : Domestic : 1 International : 1							





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Academic title: Full Professor Name of the institution where the teacher works full time and Faculty of Medical Sciences - Kragujevac 01.01.2000 Scientific or art field: Medical Science Field Academic title election: 200 Faculty of Medical Science Medical Science Academic title election: 200 Faculty of Medical Sciences - Kragujevac Medical Science PhD thesis 1990 School of Medicine - Beograd Medical Science Bachelor's thesis 1984 School of Medicine - Beograd Medical Science Bachelor's thesis 1984 School of Medicine - Beograd Medical Science Ib Course name Study programme name, study type (BM0) Biomedical Engineering, Undergraduate Academic Studies 1. AU43 Fundamentals of Biomedical Engineering (BM0) Biomedical Engineering, Undergraduate Academic Studies 2. BM1104 Physiology with pathophysiology (BM0) Biomedical Engineering, Undergraduate Academic Studies 1 O. Gajović, Z. Lazić, S. Pantović, M. Čočić, J. Stojanović, J. Stnarčić, G. Rosić I M. Rosić. Effects of 3-methylhistamine and no isolated gumea-big tracheat inns. Acta veterinaria 2011; 61(5-5):50-512. 2 N Filii	Nome and last name:										
Name of the institution where the teacher works full time and faculty of Medical Sciences - Kragujevac Faculty of Medical Science Starting date: 0.1012000 Faculty of Medical Science Medical Science Academic carieer Year Institution Field Academic title election: 2000 Faculty of Medical Sciences - Kragujevac Medical Science PhD thesis 1990 School of Medicine - Beograd Medical Science Bachelor's thesis 1984 School of Medicine - Beograd Medical Science Bachelor's thesis 1984 School of Medicine - Beograd Medical Science List of courses being held by the teacher in the accredited study programmes Study programme name, study type (EM0) Biomedical Engineering, Undergraduate Academic Studies 1. AU43 Fundamentals of Biomedical Engineering (EM0) Biomedical Engineering, Undergraduate Academic Studies 2. BM1104 Physiology with pathophysiology (BM0) Biomedical Engineering, Undergraduate Academic Studies 3. O.Gajović, Z. Lazić, S. Pantović, M. Coćić, J. Stojanović, J. Stanarčić, G. Rosić I M. Rosić, Effects of 3-methylhistamine and phenylethylamine on histamine action on isolated gunea-pig trachea rings. Acta veterinaria 2011; 61(5-6):505-512. 4.<	Name and last name:				Rosić Mirko						
starting date: 01.01.2000 Scientific or at field: Year Institution Medical Science Academic catigner Year Institution Field Academic catigner 1990 School of Medicine - Beograd Medical Science Magister thesis 1998 School of Medicine - Beograd Medical Science Bachelor's thesis 1984 School of Medicine - Beograd Medical Science List of courses being held by the teacher in the accredited study programmes Study programme name, study type (BM0) Biomedical Engineering, Undergraduate Academic Studies 1 AU43 Fundamentals of Biomedical Engineering (BM0) Biomedical Engineering, Undergraduate Academic Studies 2. BM104 Physiology with pathophysiology (BM0) Biomedical Engineering, Undergraduate Academic Studies 1 O. Gajović, J. Lazić, S. Pantović, M. Cočić, J. Stojanović, J. Stantčić, G. Rosić IM. Rosić, Effacts of 3-methylhistamine and phenylethylamine on histamine action on isolated gunea-pig trachea rings. Acta veterinaria 2011; 61(5-6):505-512. 2 N. Filipović, M. Rosić, I. Tanasković, Z. Milosević, D. TomicLuićc, N. Zdravković, A. Paulić, M. Kojić, D. Totadavić, and M. Rosić, Histamine blood concentration in isochemic heart disease patients. J. Biomed Biotechnol 2011; 2011;315709. 3 V. Zdravković, S. Pantović, G. Rosić, A. Tom				ula ana 41 1	a ala an sugarter first d						
Scientific or art field: Medical Science Academic carieer Year Institution Field Academic title election: 2000 Faculty of Medical Science - Kragujevac Medical Science Magister thesis 1990 School of Medicine - Beograd Medical Science Magister thesis 1988 School of Medicine - Beograd Medical Science Ist of courses being held by the teacher in the accredited study programmes It of courses being held by the teacher in the accredited study programmes Ist of courses being held by the teacher in the accredited study programmes Study programme name, study type 1. AU43 Fundamentals of Biomedical Engineering (BM0) Biomedical Engineering, Undergraduate Academic Studies 2. BMI104 Physiology with pathophysiology (BM0) Biomedical Engineering, Undergraduate Academic Studies 1. O. Gajović, Z. Lazić, S. Pantović, M. Cočić, J. Stojanović, J. Stanarčić, G. Rosić I M. Rosić. Effects of 3-methythistamine and phenylethylarinine on histamine action on isolated gunea-pig trachea rings. Acta veterinaria 2011; 61(5-6):505-512. 1. N. Filipović, M. Rosić, I. Tanasković, Z. Milosević, D. Nikolik, N. Zdravković, P. Potlik, B. Zdravković, P. Potlik, B. Zdravković, P. Potlik, B. Zdravković, P. Colic, J. Stojanović, J. Stanarčić, G. Rosić I M. Rosić, Listamine blod concentration in in			itution v	vnere the te	acher works full time	e and					
Academic carieer Year Institution Field Academic title election: 2000 Faculty of Medical Sciences - Kragujevac Medical Science PhD thesis 1990 School of Medicine - Beograd Medical Science Bachelor's thesis 1988 School of Medicine - Beograd Medical Science Bachelor's thesis 1984 School of Medicine - Beograd Medical Science List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1. AU43 Fundamentals of Biomedical Engineering (EM0) Biomedical Engineering, Undergraduate Academic Studies 2. BM1104 Physiology with pathophysiology (EM0) Biomedical Engineering, Undergraduate Academic Studies 7. O. Gajović, Z. Lazić, S. Pantović, M. Cočić, J. Stojanović, J. Stanarčić, G. Rosić I M. Rosić. Effects of 3-methylhistamine and phenylethylamine on inslated gunea-pig trachea ings. Acta veterinaria 2011; 61(5-6):505-512. 1. N. Filipović, M. Rosić, I. Tanasković, Z. Milosević, D. Nikolć, N. Zdravković, A. Peulić, M. Kojć, D. Fotiadis and O. Parodi. ArTreat project - Three-dimensional Numerical Simulation of Plaque Formation and Development in the Arteries. IEEE Transactions on Information Technology in BioMedicine 2012; 212-272.78. 3. V		0	ield [.]								
Academic title election 2000 Faculty of Medical Science - Kragujevac Medical Science Magister thesis 1990 School of Medicine - Beograd Medical Science Magister thesis 1984 School of Medicine - Beograd Medical Science Bachelor's thesis 1984 School of Medicine - Beograd Medical Science List of courses being held by the teacher in the accredited study programmes Study programme name, study type 1 AU43 Fundamentals of Biomedical Engineering (BM0) Biomedical Engineering, Undergraduate Academic Studies 2. BM1104 Physiology with pathophysiology (BM0) Biomedical Engineering, Undergraduate Academic Studies Representative references (minimum 5, not more than 10) 0. Gajović, Z. Lazić, S. Pantović, M. Cočić, J. Stojanović, J. Stanarčić, G. Rosić I.M. Rosić, Effects of 3-methylhistamine and phenylethylamine on histamine action on isolated gunea-pig trachea rings. Acta veterinaria 2011; 61(5-6); 505-512. 1. O. Gajović, Z. Lazić, S. Pantović, G. Rosić, D. Nikolić, N. Zdravković, A. Peulić, M. Kojić, D. Fotiadis and O. Parodi. 2. ARTreat project - Three-dimensional Numerical Simulation of Plaque Formation and Development in the Arteries. IEEE Transactions on Information Technology in BiOMedicine 2012; 16(2):272-278. 3. V. Zdravković, S. Pantović, G. Rosic, A. Tomic-Lu				Year	Institution		Wedical Ociel		Field	1	
PhD thesis 1990 School of Medicine - Beograd Medical Science Magister thesis 1988 School of Medicine - Beograd Medical Science Bachelor's thesis 1984 School of Medicine - Beograd Medical Science List of courses being held by the teacher in the accredited study programmes Medical Science Medical Science List of courses name Study programme name, study type (BMO) Biomedical Engineering, Undergraduate Academic Studies 1 AU43 Fundamentals of Biomedical Engineering (BMO) Biomedical Engineering, Undergraduate Academic Studies 2 BMI104 Physiology with pathophysiology (BMO) Biomedical Engineering, Undergraduate Academic Studies Representative refferences (minimum 5, not more than 10) 0. Gajović, Z. Lazić, S. Pantović, M. Čočić, J. Stojanović, J. Stanarčić, G. Rosić IM. Rosić, Effects of 3-methylhistamine and phenylethylamine on histamine action on isolated gunea-pig trachea rings. Acta veterinaria 2011; 61(5-6):505-512. N. Filipović, M. Rosić, I. Tanasković, Z. Milösević, D. Nikolić, N. Zdravković, A. Peulić, M. Kojć, D. Spitolić, S. Pantović, G. Rosić, A. Tomic-Lucić, N. Zdravković, M. Colić, Z. Obradović, and M. Rosic. Histamine blood concentration in ischeres patients. J Biomed Biotechnol 2011; 2011;315709. 4 M. Rosic, V. III, Z. Obradović, S. Pantović, G. Rosic. The mathematical ananalysis of the heart rate						Scier	ices - Kraquiev	ac			
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o. types in finite element modelling of muscle. International Journal for Numerical Methods in Engineering 2007; 71:801-817. 9. Rosic M, Pantovic S. and Obradovic Z. Experimental and mathematical model for the evaluation of dynamic responses of isolated blood vessels. Medicus 2006; 7(3):98-102. 10. M. Kojic, A. Ziemys, M. Milosevic, V. Isailovic, N. Kojic, M. Rosic, N. Filipovic, M. Ferrari. Transport in biological systems. Journal of the Serbian Society for Computational Mechanics 2011; 5(2):101-128. Summary data for teacher's scientific or art and professional activity: 0 Quotation total : 0 Total of SCI(SSCI) list papers : 0	7.										mechanical
9. blood vessels. Medicus 2006; 7(3):98-102. 10. M. Kojic, A. Ziemys, M. Milosevic, V. Isailovic, N. Kojic, M. Rosic, N. Filipovic, M. Ferrari. Transport in biological systems. Journal of the Serbian Society for Computational Mechanics 2011; 5(2):101-128. Summary data for teacher's scientific or art and professional activity: Quotation total : 0 Total of SCI(SSCI) list papers : 0	8.										
10. of the Serbian Society for Computational Mechanics 2011; 5(2):101-128. Summary data for teacher's scientific or art and professional activity: Quotation total : 0 Total of SCI(SSCI) list papers : 0	9.					ental a	and mathematio	cal model for	r the e	evaluation of dynamic resp	onses of isolated
Quotation total : 0 Total of SCI(SSCI) list papers : 0	10.								Ferra	ri. Transport in biological s	systems. Journal
Total of SCI(SSCI) list papers : 0	Sun	Summary data for teacher's scientific or art and professional activity:									
	Quot	Quotation total : 0									
Current projects : Domestic : 0 International : 0	Total	of SCI(SS	CI) list p	apers :		0					
	Current projects : Domestic : 0					0		International :	0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Samardžija M. Dragan									
Academic title:					Assistant Professor				
		itution v	vhere the t	eacher works full time and					
	ng date:	- 1-2			01.11.2008 Computer Engineering and Computer Communication				
	ntific or art f		Maar	la stituti su	Computer Er	igineering ar			
Acad	emic cariee	er	Year	Institution			Field		
	emic title el	ection:	2008	Faculty of Technical So			Computer Engineering and Computer Communication		
	thesis		2004	Rutgers University - Ne		•	Electrical and Computer Engineering		
	ster thesis		2000	Rutgers University - Ne			Electrical and Computer Engineering		
	elor's thesis		1996	Faculty of Technical Sc			Electrical and Computer Engineering		
List C	of courses b	eing he	Id by the te	eacher in the accredited st	udy programme	es T			
	ID Course 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) Pov Academic	ver Software Engineering, Undergraduate Studies		
						Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
						Académic			
2.	E23B1	1 Computer Network Fundamentals 2				(ES0) Power Software Engineering, Undergraduate Academic Studies			
						Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
3.	SE0015	Prenos podataka i računarske komunikacije			e	Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
4.	RT511	RT511 Practicum in computer engineering and computer communications			mputer	Academic			
		comm	unications		Master Academic Studies				
5.	DRT08			in Wireless Computer Cor		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies		
Rep	presentative	reffere	nces (mini	mum 5, not more than 10)	l .				
1.				Channel State Information 54, str. 1335- 1345	n Feedback in N	/lultiple Ante	nna Multiuser Systems, IEEE Transactions on		
2.	Blind Suc 276- 290	cessive	Interferen	ce Cancellation for DS-CI	OMA Systems,	EEE Transa	actions on Communications, 2002, Vol. 50, str.		
3.				MIMO Fading Channel R str. 2882- 2890	esponse and A	chievable Da	ata Rates, IEEE Transactions on Signal		
4.			nsport of E 216 - 322		Access Netwo	rks, IEEE Ti	ransactions on Wireless Communications, Volume		
5.	Peer-to-F 6, str. 322			Channel Measurements ir	a Rural Area,	IEEE Transa	actions on Wireless Communications, 2007, Vol.		
6.				chievable Data Rates in N sceivers, 2007, Vol. 25, st		a Multiuser T	DD Systems, IEEE JSAC, Special Issue on		
7.			ence for M 21, str. 44		eneration Wirel	ess System,	IEEE JSAC on MIMO Systems and Applications:		
8.				or Audio Streaming in Sho 6- 491, ISSN ISSN: 0098		ess Network	s, IEEE Transactions on Consumer Electronics,		
9.				l for Residential Smart En 58, no.3, pp.819-824, Aug		Based on Zig	bee RSSI Changes, IEEE Transactions on		
10.				Unsupervised Channel D 02, Vol. 38, No. 20, str. 12		r Wireless M	lultiple-Transmitter/Multiple-Receiver Systems,		
_	nmary data	for tead	her's scier	ntific or art and profession	al activity:				
Sun	innary uata								

STAS STUD		WHKHX H			
A DOR	FACULTY OF TECHNICAL SCI				
2000	Study F	Programme A	on	To and	
OPLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	HOS
Current projects :		Domestic :	0	International :	0





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Num					0-4-5414	9		
_	Name and last name: Academic title:				Satarić V. Miljko Full Professor			
					Faculty of Technical Sciences - Novi Sad			
	e of the inst ng date:	itution v	vnere the te	eacher works full time and	03.01.1973			
	ntific or art f	ield [.]			Physics			
	emic cariee		Year	Institution	. 11,0100		Field	
	emic title el		1995	Faculty of Technical Scie	ences - Novi Sa	ad	Physics	
	thesis		1984	School of Electrical Engi			Physics	
	ster thesis		1979	School of Electrical Engi	<u> </u>		Physics	
	elor's thesis	3	1972	Faculty of Sciences - No	<u> </u>		Physics	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S		
	ID		e name				gramme name, study type	
1.	E103	Physic	· e				ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
1.	L 103						asurement and Control Engineering, uate Academic Studies	
2.	E215	Physic	S			(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
3.	Z103	Select	ed Chapters	s in Physics 1		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
4.	Z110	Select	ed Chapter	s in Physics 2		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
5.	El410	Biophy	vsics				er, Electronic and Telecommunication g, Undergraduate Academic Studies	
6.	DE203S	Odabra	ana poglavl	ja iz kvantne elektronike		(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
7.	DE301S	Moleku	ularna elekt	ronika(uneti naziv na engl	eskom)	(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
							ver, Electronic and Telecommunication g, Specialised Academic Studies	
						(I12) Indu	strial Engineering, Specialised Academic Studies	
8.	DZ01FS	Select	ed Chapter	s in Physics		(I22) Engineering Management, Specialised Academic Studies		
						(Z00) Env Studies	ironmental Engineering, Specialised Academic	
9.	EM511	Quantum and Organic Electronics					er, Electronic and Telecommunication g, Master Academic Studies	
10.	SI028	28 Biophysics					ver, Electronic and Telecommunication g, Specialised Professional Studies	
11.	DE203	Selected Chapters in Quantum Electronics				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies		
12.	DE301	Molecu	ular Electro	nics			ver, Electronic and Telecommunication g, Doctoral Academic Studies	

	UNIVERSITY OF NOVI SAD
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SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	ID	Course name		Study programme name, study type			
			 (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctor Academic Studies (F00) Graphic Engineering and Design, Doctoral A 				
				Studies (G00) Civil Engineering, Doctoral Academic Studies			
				(GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies			
13.	DZ01F	Selected Chapters in Physics		(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.	1. S. Zdravković, M.V. Satarić, "Single-Molecule Unzipping Experiments on DNA Peyrard-Bishop-Dauxois Model",Phys.Rev.E73,021905-11,2006.						
2.	of tubulin	zynski, J. A. Brown, E. Crawford, E. J structure and calculations of electros 1055-1070, 2005.	. Carpenter, M. L. A. N tatic properties of micr	ip, J. M. Dixon, M. Satarić, "Molecular dynamics simulations otubules", Mathematical and Computer Modelling, vol. 41,			
3.		ć, B. Satarić, J. A. Tuszynski, "Nonline 255-264, 2005.	ear model of microtubu	lle dynamics", Electromagnetic Biology and Medicine, vol.24,			
4.		ković J. A. Tuszynski, M. Satarić "Peyi tional and Theoretical Nanoscience, v		nodel of DNA dynamics and impact of viscosity", Journal of 71, 2005.			
5.		ović, M. Satarić, "Optical and Acousti .etters 22, pp. 850-853, 2005.	cal Frequencies in a N	Ionlinear Helicoidal Model of DNA Molecule", Chinese			
6.		J. A. Tuszynski, J. M. Dixon, M. Sata of gravitational fields", Physical Review		and orientational self-organization of microtubules under the 03.			
7.	Review E	, vol. 67, no. 1, 2003.		pelectric and liquid crystal models for microtubules", Physical			
8.	S. Zdravk 5911-592		big viscosity", Internat	ional Journal of Modern Physics B, vol.17, no. 31-32, pp.			
9.	M. Satari 2002.	ć, J. A. Tuszynski, "Impact of regulato	ry proteins on the non	linear dynamics of DNA", Physical Review E, vol. 65, no. 5,			
10.	Current F	Research in Advanced Materials and F	Processes, vol. 494, pp	of charge transport through microtabular cytoskeleton", 0. 507-512, 2005.			
		for teacher's scientific or art and profe	,				
	ation total :		295				
		CI) list papers :	67				
Curre	Current projects : Domestic : 1 International : 2						





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

N.1.	ا بالدمم				oran			
	e and last n	iame:			Sladić S. Gor			
	emic title:					Assistant Professor Faculty of Technical Sciences - Novi Sad		
	e of the inst ng date:	litution v	vnere the te	acher works full time and	01.02.2004	STITUCAT SCIE		
	ntific or art f	ield:				Applied Computer Science and Informatics		
Academic carieer Year Institution			, pp.ica co		Field			
	emic title el		2011	Faculty of Technical Sci	ences - Novi Sa	ad	Applied Computer Science and Informatics	
	thesis		2011	Faculty of Technical Sci			Computer Science	
Magi	ster thesis		2006	Faculty of Technical Sci			Computer Science	
	elor's thesis	s	2002	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Science	
List o	f 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.	E239A	Web P	Programmin	a		(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies	
			- 0	~		Undergrad	asurement and Control Engineering, uate Academic Studies	
						Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
		1 E-Business Systems Security				Académic		
2.	E2E41						asurement and Control Engineering, uate Academic Studies	
2.						(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	E2K/1	Distributed Artificial Intelligence and Intelligent			ont Agonte		asurement and Control Engineering, uate Academic Studies	
5.	E2K41				ent Agents		tware Engineering and Information Technologies, uate Academic Studies	
					(SEL) Software Engineering and Information Tech Loznica, Undergraduate Academic Studies		ndergraduate Academic Studies	
4.	EOS36	Elektro	onsko poslo	vanje i ugovaranje			ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies	
5.	F501	WEB [Desian			(F00) Gra	phic Engineering and Design, Undergraduate Studies	
5.	1 301		Jeolyll			(F10) Eng Studies	ineering Animation, Undergraduate Academic	
6.	ISIT10	Introdu	uction to So	ftware Development			vare and Information Technologies (Inđija), uate Professional Studies	
7.	ISIT20	Object	-oriented P	rogramming Platforms			vare and Information Technologies (Inđija), uate Professional Studies	
8.	ISIT2A	Softwa	are Develop	ment Techniques			vare and Information Technologies (Inđija), uate Professional Studies	
9.	SE0006	Ohioct	oriented pr	ogramming 1			tware Engineering and Information Technologies, uate Academic Studies	
9.	320000	Object					tware Engineering and Information Technologies - ndergraduate Academic Studies	
10	SE0014	Come		ation			tware Engineering and Information Technologies, uate Academic Studies	
10.	SE0014	Computer organisation					tware Engineering and Information Technologies - ndergraduate Academic Studies	

ALGITAS STUDIO

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

Study Programme Accreditation							
, Ot	LANTEN	UNDERGRADUATE ACADEMIC STUDIES	Computing and Control Engineering				
List c	of courses b	eing held by the teacher in the accredited study programme	25				
	ID	Course name	Study programme name, study type				
			(P00) Production Engineering, Undergraduate Academic Studies				
11.	SE0017	Software Development Metrodologies	(SE0) Software Engineering and Information Technologies, 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.	020024		(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				
.0.	020100		(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				
14.	E2501	Electronic Payment Systems	(E20) Computing and Control Engineering, Master Academic Studies				
· T .	2301		(SE0) Software Engineering and Information Technologies, Master Academic Studies				
15.	EP007	Document and content management	(I20) Engineering Management, Specialised Professional Studies				
10.	2,007		(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				
		,	(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.	DRNI16	Selected Topics in Electronic Business	(E20) Computing and Control Engineering, Doctoral Academic Studies				
			(OM1) Mathematics in Engineering, Doctoral Academic Studies				
22.	DRNI19	Selected Topics in Information Security	(E20) Computing and Control Engineering, Doctoral Academic Studies				
Rep	presentative	e refferences (minimum 5, not more than 10)					
1.		, Milosavljević B., Surla D., Konjović Z.: Flexible Access Co I. 30, No 5, pp. 623-652, ISSN 0264-0473, DOI:10.1108/026	ontrol Framework for MARC Records, The Electronic Library, 640471211275684				
2.	Organiza	S., Sladić G., Milosavljević B., Konjović Z.: Context-sensitiv tional Computing and Electronic Commerce, 2012, Vol. 22, 080/10919392.2012.667717	ve Access Control Model for Government Services, Journal of No 2, pp. 184-213, ISSN 1091-9392,				
3.	Sladić G., Milosavljević B., Konjović Z., Vidaković M.: Access Control Framework for XML Document Collections, Computer Science and Information Systems (ComSIS) 2011, Vol. 8, No.3, pp. 591-609, ISSN 1820-0214, DOI: 10.2298/CSIS100827002S						



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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						
Su	mmary data for teacher's scientific or art and profe	essional activity:					
Quo	tation total :	54					
Total 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

Computing and Control Engineering

Nom	e and last n	amo:			Stojaković M	Mile		
-	e and last n lemic title:	ane:			Stojaković M. Mila Full Professor			
		titution	hore the t-	achor works full time and	Faculty of Technical Sciences - Novi Sad			
	ng date:			acher works full time and	01.12.1975			
	ntific or art f	ield:			Mathematics			
	emic cariee		Year	Institution			Field	
Acad	emic title el	lection:	1993	Faculty of Technical Sci	ences - Novi S	ad	Mathematics	
	thesis		1980	Faculty of Sciences - No			Mathematical Sciences	
Magi	ster thesis		1978	Faculty of Mathematics			Mathematical Sciences	
Bach	elor's thesis	s	1975	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List c	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name				gramme name, study type	
1.	E121	Mathe	matical Ana	Ilysis 2		Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(MR0) Me	asurement and Control Engineering, uate Academic Studies	
2.	E135	Probab	oility, Statist	tics and Stochastic Proces	sses	-	er, Electronic and Telecommunication	
						· · ·	g, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	E221A	Mathe	matical Ana	ilysis 2			asurement and Control Engineering, uate Academic Studies	
							nputing and Control Engineering, Undergraduate	
							ver Software Engineering, Undergraduate	
4.	E224A	Probat	pility and St	ochastic Processes		(SE0) Soft	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
5.	ZC006	Probat	oility, Statist	tics and Random Process	es	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	0M504	Operat	tional Rese	arch		(OM1) Ma Studies	thematics in Engineering, Master Academic	
7.	0M505	Stocha	astic Proces	ses		(OM1) Mathematics in Engineering, Master Academic Studies		
8.	0ML504	Operat	tional Rese	arch		(OM1) Mathematics in Engineering, Master Academic Studies		
9.	0ML505	Stocha	astic Proces	sses		(OM1) Ma Studies	thematics in Engineering, Master Academic	
						Èngineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
	D70/11/2				(112) Industrial Engineering, Specialised Academic Studi			
10.	DZ01MS	Select	ed Chapters	s in Mathematics		(I22) Engii Studies	neering Management, Specialised Academic	
						(Z00) Envi Studies	ironmental Engineering, Specialised Academic	
							ineering Animation, Master Academic Studies	
11.	IAM005	Mathematical Game Theory			(OM1) Mathematics in Engineering, Master Academic Studies			
12.	SD0M03	Operat	tional Rese	arch		(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
13.	SD0M15	Statisti	cs			(GI0) Geodesy and Geomatics, Specialised Academic Studies		
14.	ZR503	Statisti	cal Advanc	ed Models		(Z01) Safe	ety at Work, Master Academic Studies	
15.	D0M03	Operational Research				(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	

ASTAS STUDIO

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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		(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				
	DZ01M			(GI0) Geodesy and Geomatics, Doctoral Academic Studie				
21.		Selected Chapters in Mathematics		(H00) Mechatronics, Doctoral Academic Studies				
21.				(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
				(M00) Mechanical Engineering, Doctoral Academic Studie				
				(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 Stoj	aković, Decomposition and representa	ation of fuzzy valued m	easure, Fuzzy Sets and Systems, 112(2000) 251-256				
2.	Mila Stoj	aković, Fuzzy conditional expectation,	Fuzzy Sets and Syste	ms, 52(1992) 49-54				
3.	Mila Stoj	aković, Fuzzy random variable, expec	tation, martingales, J.M	/ath.Anal.Appl., 184(1994) 594-606.				
4.	Mila Stoj	aković, Fuzzy martingales, Stochastic	Analysis and Applicat	ons, 14(1996), 355-368.				
5.				ceedings of Royal Society, London A, 452(1996), 421-438.				
6.	-		-	Euzzy Sets and Systems, 83(1996) 341-346.				
7.		aković, Representation of fuzzy valued						
8.		aković, Fuzzy valued measure, Fuzzy		• • •				
9.	-		-	d probabilistic spaces, Bull. Australian Math. Soc., 36(1987)7				
10.		aković, Zoran Ovcin, Fixed point theore	ems and variational pri	nciple, Fuzzy Sets and Systems, 66(1994)353-356.				
		for teacher's scientific or art and profe	· ·					
	ation total :	· · ·	71					
		CI) list papers :	16					
Curre	Current projects : Domestic : 1 International : 1							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nam	e and last n	ame.			Suvaidžin Pa	kić B. Zorica		
	e and last n				, , , , , , , , , , , , , , , , , , ,	Suvajdžin Rakić B. Zorica Assistant Professor		
		titution v	where the to	acher works full time and		Faculty of Technical Sciences - Novi Sad		
	ng date:				01.12.1998			
	ntific or art f	ield:				Applied Computer Science and Informatics		
Acad	emic caries	er	Year	Institution			Field	
Acad	emic title e	lection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics	
PhD	thesis		2008	Faculty of Technical Sci	ences - Novi S	ad	Computer Science	
Magi	ster thesis		2000	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics	
Bach	elor's thesis	s	1998	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics	
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	gramme name, study type	
1.	E225	Opera	ting System	IS		Academic		
			3 - ,			(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
						Academic		
2.	E234	Compilers				Academic		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
3.	EE301	Onera	ting System	ns and Competitive Progra	amming	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
5.	LLSUT	Орега	ung System	and competitive riogramming		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
						(F10) Eng Studies	ineering Animation, Undergraduate Academic	
4.	H207	Progra	amming and	Programming Languages	S	(H00) Mechatronics, Undergraduate Academic Studies		
							tal Traffic and Telecommunications, uate Academic Studies	
5.	ISIT12	Osnov	e informaci	onih sistema		(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies		
6.	ISIT22	Osnov	e baza pod	ataka			vare and Information Technologies (Inđija), uate Professional Studies	
7.	SE0034	Compi	ilers			(SE0) Software Engineering and Information Technologies, Undergraduate 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 Studie		
						· · ·	tware Engineering and Information Technologies, ademic Studies	
9.	F402	Electro	onic Publish	ing		(F00) Gra Studies	phic Engineering and Design, Master Academic	
10.	DRNI08	Select	ed Topics ii	n Information Systems		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)				
1.		for geor	netric nonlii				A.: MPI–CUDA parallelization of a finite-strip eering Software, 2011, Vol. 42, No 5, pp. 273-	
2.							osing Assistant, Computer Science and	
3.	 ² Information Systems, Volume 3, Number 1, Beograd, jun 2006., pp 65-76 <u>3</u> Miroslav Hajduković, Zorica Suvajdžin, Žarko Živanov, Character oriented program editing - habit or necessity, Novi Sad Journal of mathematics, vol. 33, no. 1, Novi Sad, 2003., pp 53-65 							
	or mathematics, vol. 55, no. 1, novi 5au, 2005., pp 55-05							

RES	TAS STUD								
2 Hante		FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
22.2		Study F	Programme A	ccreditatio	on	CAL			
.01	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	HO			
Rep	presentative re	efferences (minimum 5, not more th	an 10)						
4.	Hajduković Journal of r	M., Suvajdžin Z., Živanov Ž. Naziv: nathematics , Novi Sad Journal of N	A problem of program Mathematics, 2003, Vo	n execution time r I. 33, No 1, pp. 6	neasurement Naziv časopis 7-73, ISSN 1450-5444, UDł	a: Novi Sad K: 51			
5.		tričević L., Suvajdžin Rakić Z.: Stat) Septembar, 2012, pp. 217-222	tically Typed Matrix: in	C library, 5. Bal	kan Conference in Informat	ics, Novi Sad:			
6.		D., Živanov Ž., Rakić P., Suvajdžin Nonlinear Shear-Lag Effect Suppor			rković A., Milaković I.: A Fi	nite-Strip			
7.	Suvajdžin F	Rakić Z., Rakić P.: Computers and	Education, 1. VIPSI, N	lepoznato, 3-4 Ap	oril, 2009, ISBN 86-7466-11	7-3			
8.		ajdžin, Miroslav Hajduković, Progra 2006, Brooklyn NY, April 2006, ab			ogrammers, The ASEE Mid-	Atlantic Spring			
9.		ajdžin, Miroslav Hajduković, Towarc on Programming Languages and (,	0				
10.	Pakić P. Živanov Ž. Suvaidžin Pakić 7. Stričević I. Hajduković M. Characteristics of Operating System for Wireless Sensor								
Sur	Summary data for teacher's scientific or art and professional activity:								
Quotation total : 0									
Tota	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

Computing and Control Engineering

Nom	o and last n	amo:			Čafrani E Jali	savota			
					Šafranj F. Jelisaveta Assistant Professor				
				achor works full time and			nces - Novi Sad		
				acher works full time and	Faculty of Technical Sciences - Novi Sad 15.10.2000				
Scientific or art field:			English						
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic title el	ection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	English		
PhD	thesis		2008	Faculty of Philology - Be			English		
Magi	ster thesis		2000	Faculty of Philology - Be	-		English		
Educ Thes	ation Speci	alist	1994	Faculty of Philology - Be	eograd		English		
	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) 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	A00) Architecture, Undergraduate Academic Studies		
5.	EJ01L	English Language - upper intermediate English Language – Elementary				(M20) Mec Undergrad (M30) Ene Academic (M40) Tec Undergrad (P00) Proo Studies (S00) Traf Academic (S01) Pos	chnical Mechanics and Technical Design, uate Academic Studies duction Engineering, Undergraduate Academic fic and Transport Engineering, Undergraduate		
6.	6. EJ01Z English Language - Elementary				Engineerin (F00) Graj Academic (MR0) Me Undergrad (Z01) Safe (ZC0) Clea Academic (ZP0) Disa Undergrad	asurement and Control Engineering, uate Academic Studies ety at Work, Undergraduate Academic Studies an Energy Technologies, Undergraduate			

ASSTUDIO RUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study program	mes

	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.	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
8.	EJ02Z	English Language – Pre-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
10	F 10 (1		(Z01) Safety at Work, Undergraduate Academic Studies
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
			(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

HAS STUDIO THE STAR

UNIVERSITY OF NOVI SAD

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



Ĩ.		FACULTY OF TECHNICAL SCIENCES 21000 NOVI	SAD, TRG DOSITEJA OBRADOVICA 6
U.NEO		Study Programme A	Accreditation
l jet d	of courses b	eing held by the teacher in the accredited study programme	
LISU		eng new by the teacher in the accreated study programme	
	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
			(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

EJPST

EJSIT

EJGR

EJM

English Language – ESP Course

English Language - ESP Course

English Language in Postal Traffic

English Language in Traffic and Transport

22

23.

24

25.

(G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering,

(M30) Energy and Process Engineering, Undergraduate

(P00) Production Engineering, Undergraduate Academic

(S00) Traffic and Transport Engineering, Undergraduate

(M40) Technical Mechanics and Technical Design,

(S01) Postal Traffic and Telecommunications,

Undergraduate Academic Studies

Undergraduate Academic Studies

Undergraduate Academic Studies

Academic Studies

Academic Studies

Studies

SITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

	-			
Foouroog bo	ing hold by th	o toophor in t	he ecorodited a	tudy programmes
Courses be	ana neia dy ii		ne accieulieu s	

List o	of courses b	eing held by the teacher in the accredited study programme	25
	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
34.	EJIIM	English for Specific Purposes	(110) Industrial Engineering, Undergraduate Academic Studies (120) 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
37.	EJ1Z	English Language - Elementary	 (E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) 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 (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies (E20) Computing and Control Engineering, Undergraduate Academic Studies
38.	EJ2Z	English Language – Intermediate	Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (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 (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)	

ST	TAS STUD		UNIVERSITY OF NO	VI SAD		UNYKHX Ha	
AN A	ORL	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI S	SAD, TRG DOSIT	EJA OBRADOVIĆA 6		
23	Courses	Study F	Programme A	ccreditatio	on		
Op	VANTENS	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	AND HOB	
Rep	presentative r	efferences (minimum 5, not more th	an 10)				
1.	Analiza dis	kursa udžbenika engleskog jezika, l	Monografija, Zadužbina	a Andrejević, Beo	grad 2006.		
2.	Retorička o	organizacija poslovne vesti, Monogra	afija, Zadužbina Andre	jević, Beograd 20	09.		
3.	Engleski je	zik za GRID 3 - Academic Writing fo	or Graphic Engineering	and Design, FTN	V Izdavaštvo, Novi Sad 201	2.	
4.	Using Inter	net in English Language Teaching,	NEW EDUCATIONAL	REVIEW, (2011)	, vol. 26 br. 4, str. 45-59.		
5.		of English Language Teachers Cor 2011), vol. 23 br. 1, str. 269-282.	ncerning Computer As	sisted Language	Learning (Call), NEW EDU	CATIONAL	
6.		ki aspekt udžbenika engleskog jezika ogija, 2009, 1, str.133-145.	а,				
7.		Communicative Competence, k Instituta za pedagoška istraživanja	a, 2009, 1, str. 180-195	5.			
8.	Retorička a	analiza lida poslovne vesti, Zbo	rnik Matice Srpske za	filologiju i lingvisti	iku, 2011, 1, str.191-210.		
9.		ects of Technical Statements in Pow Ee 2001, str.150-153.	ver Engineering, Zborn	ik radova, XI Međ	łunarodni simpozijum Enerę	getska	
10.	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.						
Sun	mmary data fo	or teacher's scientific or art and profe	essional activity:				
	tation total :		0				
	l of SCI(SSCI) list papers :	20				
Curre	ent projects :		Domestic :	0	International :	1	





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Acad		ame:			Temerinac R.	Miodrag		
Academic title:					Full Professo	r		
		itution v	where the te	eacher works full time and	-			
	ng date:	- I - I -			0			
	ntific or art f		Veer	Institution	Computer En	gineering ar	nd Computer Communication	
Acau	emic cariee	÷1	Year	Institution			Field	
	emic title el	ection:	1997	Faculty of Technical Sci			Computer Engineering and Computer Communication	
	thesis		2003	School of Electrical Engi			Electrical and Computer Engineering	
<u> </u>	ster thesis		1979	Faculty of Technical Sci			Electrical and Computer Engineering	
	elor's thesis		1976	School of Electrical Engi			Electrical and Computer Engineering	
List o	f courses b	eing he	ld by the te	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.	E240	Funda	mentals of	DSP Architecture and Alg	orithms 1		asurement and Control Engineering, uate Academic Studies	
2.	E2401	Funda	mentals of	DSP Architecture and Alg	orithms 2	(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
3.	RT510			SP platforms in computer		Academic		
		comm	unications			Master Aca	tware Engineering and Information Technologies, ademic Studies	
4.	RT511			puter engineering and con	nputer	(E20) Computing and Control Engineering, Master Academic Studies		
	communications				Mas		tware Engineering and Information Technologies, ademic Studies	
		Selected Chapters in Telecommunications a		Académic Studies				
5.	DAU001	Processing			and orginal	(H00) Mechatronics, Doctoral Academic Studies		
						Studies	thematics in Engineering, Doctoral Academic	
6.	DRT04		-	s in Computer Communica		(Z01) Safety at Work, Doctoral Academic Studies		
7.	DRT07	Develo algorit		implementation of multim	edia	(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.	Osnovi al	goritam	a i struktura	a DSP, S. Berber i M. Terr	erinac, 2004			
2.	Arhitektu	re i algo	ritmi DSP I	, V. Kovačević, M. Popovi	ć, M. Temerina	c, N. Teslić,	2005	
3.	Principi te	elekomu	nikacija I i	II, M. Temerinac, 1988				
4.	Osnovi te	lekomu	nikacija, V.	Milošević, Ž. Trpovski, M.	Temerinac, 19	94		
5.				nc M.: Discrete Fourier-Inv 0, UDK: 10.1109/TSP.201		Design and	Applications", Elsevier Science Publishers, 2012,	
6.	Miodrag	Temerin	ac, Carster		en Zimmerman	n, Volker W	agner, " Eine neue DSP Plattform für Multimedia-	
7.	Hilsinger	U., Boc	k C., Fiese		,	ür drahtlose	High-End-Audioübertragung", Elektronik,	
8.	Teslić N., functiona	Zlokolie I testing	ca V., Peko , IEEE Trar	vić V., Tekcan T., Temerir nsactions on Consumer El			etection system for DTV and set-top box o 3, pp. 1311-1319, ISSN 0098-3063, UDK:	
9.	Kovačevi	ć J., Sa		, Temerinac M.: Joint codi			reaming in short range wireless networks, IEEE	
10.	Marijan D Methodol)., Teslić ogy, JO	N., Temer URNAL OF	inac M., Peković V.: On th	e Effectivenes AND TECHN	s of the Sys	Vol. 55, No 2, pp. 486-491, ISSN 0098-3063 tem Validation Based on the Black Box Testing CHINA, 2009, Vol. 2009, No 7(4), pp. 1-4, UDK:	
Sun	-			tific or art and professiona	-			
	ation total :			0				

STAS STUD			WYKHX H		
NA COR	FACULTY OF TECHNICAL SC	STATE A			
THE SEA	Study F	Programme A	ccreditatio	on	CAL CAL
PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	HO
Total of SCI(SSCI)) list papers :	22			
Current projects :		Domestic :	1	International :	0





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Nam	e and last n	ame:			Teslić Đ. Niko	ola	
	emic title:				Full Professo		
Name of the institution where the teacher works full time and					-		
	ng date:						
Scier	ntific or art f	ield:	_		Computer En	gineering ar	nd Computer Communication
Acad	emic caries	er	Year	Institution			Field
Acad	emic title e	lection:	2011				Computer Engineering and Computer Communication
PhD	thesis		1999	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering
Magi	ster thesis		1997	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Engineering
Bach	elor's thesis	S	1995	Faculty of Technical Science	ences - Novi Sa	ad	Computer Engineering
List c	f 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
4	F0074					(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies
1.	E221A	E227A Logic Design of Computer Systems 1					asurement and Control Engineering, uate Academic Studies
						· · ·	er, Electronic and Telecommunication g, Undergraduate Academic Studies
			Selected Chapters in Physical Architecture Design			(E20) Computing and Control Engineering, Undergraduate Academic Studies	
2.	E244	Select				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies	
							er, Electronic and Telecommunication g, Undergraduate Academic Studies
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
		Television and Image Processing Software 1					asurement and Control Engineering, uate Academic Studies
3.	RT50				1		tware Engineering and Information Technologies, uate Academic Studies
						(SEL) Soft Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies
							er, Electronic and Telecommunication g, Undergraduate Academic Studies
4.	EK465	Archite	ectures of d	igital signal processors		Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies
5.	SERT02	Basics	of compute	er engineering		Undergrad	tware Engineering and Information Technologies, uate Academic Studies
6.	RT56	Televi	sion and Im	age Processing Software	2	Academic	
5.				Service Contractor	-	Master Aca	tware Engineering and Information Technologies, ademic Studies
7.	7. RT511 Practicum in computer engineering and compu		nputer	Academic			
,.			unications			(SE0) Software Engineering and Information Technologies Master Academic Studies	
8.	DRT04	Select	ed Chapter	s in Computer Communica	ations		ety at Work, Doctoral Academic Studies
9.	DRT04	Select	ed Chapter	s in television software		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)			
1.	Arhitektu	re i algo	ritmi DSP 1	, Vladimir Kovačević, Mirc	oslav Popović,	Miodrag Ter	merinac, Nikola Teslić
2.			adataka iz lo Kovačević	ogičkog projektovanja. rač	unarskih sisten	na I : projek	tovanje digitalnih sistema. Mihajlo Katona, Nikola
	,						

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKHX H.			
ALL ON THE STATE		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
		Study F	Study Programme Accreditation						
4	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	Ho			
Rep	presentative r	efferences (minimum 5, not more th	an 10)						
3.		Jovičić, V. Kovačević, N.Teslić, D. ONE ARRAY, filled 21.november, 20			OR SPEAKER LOCALIZAT	ION USING			
4.		V. Kovačević, N.Teslić, I. Papp, TEC AL MICROPHONE SYSTEM, filled			AL ESTIMATION FROM S	OUND SOURCE			
5.		Jovičić, V. Kovačević, N.Teslić, I. F CROPHONE ARRAY, filled 3.novem			AUTOMATIC GAIN CONT	ROL (AGC)			
6.	Validation of	D., Čelanović I., Teslić N., Čelanov of Power Electronics Designs, IEEE , UDK: http://dx.doi.org/10.1109/TIE	Transaction on Indust						
7.	THE ACOL	ć Z., Jovičić S., Teslić N.: Adaptive JSTICAL SOCIETY OF AMERICA, 2 i.org/10.1121/1.2749077				, JOURNAL OF			
8.	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.		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.	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								
Sur	mmary data fo	or teacher's scientific or art and profe	essional activity:						
Quot	tation total :		0						
	I of SCI(SSCI) list papers :	6		i	-i			
Curre	ent projects :		Domestic :	2	International :	10			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name: Vidaković						vić P. Milan			
Name and last name: Academic title:					Vidaković P. Milan				
	Name of the institution where the teacher works full time and				Associate Professor Faculty of Technical Sciences - Novi Sad				
	e of the inst ng date:	utution V	mere the te	acher works full time and	20.01.1998	•			
	ntific or art f	ield:				outer Scienc	ce and Informatics		
	emic caries		Year	Institution			Field		
Acad	emic title el	lection:	2009	Faculty of Technical Sci	ences - Novi S	ad	Applied Computer Science and Informatics		
	thesis		2003	Faculty of Technical Sci			Applied Computer Science and Informatics		
Magis	ster thesis		1998	Faculty of Technical Sci			Applied Computer Science and Informatics		
Bach	elor's thesis	s	1995	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		
						Academic	nputing and Control Engineering, Undergraduate Studies ver Software Engineering, Undergraduate		
1.	E239A	Web P	Programmin	g			Studies asurement and Control Engineering, luate Academic Studies		
						Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
		Distributed Artificial Intelligence and Intelligent Agents				(E20) Computing and Control Engineering, Undergraduate Academic Studies			
2.	E2K41				ent Agents		R0) Measurement and Control Engineering, dergraduate Academic Studies E0) Software Engineering and Information Technologies,		
						Undergraduate Academic Studies (SEL) Software Engineering and Information Technologie			
						Loznića, U	ndergraduate Academic Studies		
3.	F501	WEB [Design			Academic			
						(F10) Engineering Animation, Undergraduate Academic Studies			
4.	GI211	Geoinf	formatics			Studies	desy and Geomatics, Undergraduate Academic		
5.	GI111	Inform	ation techn	ologies in geodesy		Studies	desy and Geomatics, Undergraduate Academic		
6.	SE0006	Object oriented programming 1				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
<u> </u>						Loznića, U	tware Engineering and Information Technologies - Indergraduate Academic Studies		
		Web programming				Studies	duction Engineering, Undergraduate Academic		
7.	SE239A					Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies			
8.	E2501	Electro	onic Payme	nt Systems		(E20) Computing and Control Engineering, Master Academic Studies			
				-		(SE0) Software Engineering and Information Technologies Master Academic Studies			
9.	EP007	07 Document and content management				Studies			
						(IB0) Engineering Management - MBA, Specialised Professional Studies			
10.	AD0008	Web d	lesign in Arc	chitecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies				
11.	DRNI03	Select	ed Topics ir	n 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

UNDERGRADUATE ACADEMIC STUDIES

		redited study	

List of courses being held by the teacher in the accredited study programmes									
	ID	Course name	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Study programme name, study type					
12.	. DRNI05 Selected Topics in Software Standar		rdization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies					
				(F20) Engineering Animation, Doctoral Academic Studies					
13.	FDS152	Selected Topics in Computer Graph	ics	(F00) Graphic Engineering and Design, Doctoral Academic Studies					
14.	DAU014	Selected Topics in Computing		(E20) Computing and Control Engineering, Doctoral Academic Studies					
14.	DA0014	Selected Topics in Computing		(OM1) Mathematics in Engineering, Doctoral Academic Studies					
45				(E20) Computing and Control Engineering, Doctoral Academic Studies					
15.	DRNI16	Selected Topics in Electronic Busine	ess	(OM1) Mathematics in Engineering, Doctoral Academic Studies					
16.	DRNI18	Selected Topics in Distributed/Mobil	e computing	(E20) Computing and Control Engineering, Doctoral Academic Studies					
		•	1 0	(F20) Engineering Animation, Doctoral Academic Studies					
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.		ć, M., Milosavljević, B., "Internationalis nal Unicode Conference, Orlando, U		rary Information System", Proceedings of the 28th 005.					
2.				nt Technology", Proceedings of the 8th IASTED International Cambridge, USA, November 9-11, 2004., pp. 489-493					
3.		ć M., Sladić G., Komazec S., "Sistemi za informacione tehnologije i multimed		nskim sadržajima i njihova promena u eUpravi", Info M: pp. 36-41, ISSN 1451-4397					
4.	System E		al Conference on Distr	ocessing Bibliographic Documents in the Library Inforation ibuted LibraryInformation Systems, Ohrid, Former Yugoslav					
5.	Vidaković, M., Sladić, G., Konjović, Z., "Security Management In J2EE Based Intelligent Agent Framework", Proceedings of the								
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.	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.	Vidakovi	ć M., "Agentska okruženja", Zadužbi	na Andrejević. Beogra	d, 2007, ISBN: 9-788672-446210					
9.	Milosavlje	ević B., Vidaković M., Java i Internet p	programiranje, FTN izo	lavaštvo, 2007., ISBN 978-86-7892-047-9					
10.	Okanović D. Vidaković M. Unotreba IMX mlet servisa za ažuriranje verzija anlikacija". Zbornik radova Vulnto 2007 (CD)								
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
	ation total :		119						
	Total of SCI(SSCI) list papers : 7								
Current projects : Domestic : 1 International : 0									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Name and last name:					Malana' in the	M Gran			
Name and last name:					Vukmirović M. Srđan				
	Academic title:				Assistant Professor				
					Faculty of Technical Sciences - Novi Sad 20.11.2000				
	ntific or art f	ield:				ntrol and Sv	/stem Engineering		
	lemic carie		Year	Institution	Automatic oc	introl and Oy	Field		
	lemic title e		2012	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
	thesis		2012	Faculty of Technical Sci			Automatic Control and System Engineering		
	ster thesis		2004	Faculty of Technical Sci			Automatic Control and System Engineering		
	elor's thesis		2004	,			Automatic Control and System Engineering		
		-		Faculty of Technical Sci			Automatic Control and System Engineering		
LISU		eing ne	id by the tea	acher in the accredited stu					
	ID	Course	e name			Study pro	gramme name, study type		
1.	E126	Syster	n Control, N	Aodeling and Simulation		· · ·	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate		
							ver Software Engineering, Undergraduate		
		System Modeling and Simulation				(M40) Tec	chaice chnical Mechanics and Technical Design, uate Academic Studies		
2.	E232						asurement and Control Engineering, uate Academic Studies		
							tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
3.	GI303A	Distributed Systems in Geomatics				(GI0) Geo Studies	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
4.	H213	System Modelling and Simulation 1				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
						(H00) Mec	chatronics, Undergraduate Academic Studies		
5.	E2312	Softwa	are desian f	or SCADA systems		Académic			
_						Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
6.	ESI004	Cloud	Computing	in power systems			ver Software Engineering, Undergraduate Studies		
7.	ESI008	Develo	opment of C	Cloud application in power	systems	Académic			
8.	SEAU02	SCAD	A Software			Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
		AU502 Distributed Control Systems				(E20) Con Academic	nputing and Control Engineering, Master Studies		
9.	AU502				Academic				
						Èngineerin	er, Electronic and Telecommunication g, Master Academic Studies		
10.	H301	System Modeling and Symulation				(H00) Mechatronics, Master Academic Studies			
11.	E2533	Discrete event simulation				(E20) Con Academic	nputing and Control Engineering, Master Studies		
12.	E2535			ms in Supervisory Control	and Data	(E20) Computing and Control Engineering, Master Academic Studies			
12.	L2000	Acquisition Systems		ns			er, Electronic and Telecommunication g, Master Academic Studies		
13.	ESI027	Advan	ced cloud c	computing in power system	ns	(ES0) Pov Studies	ver Software Engineering, Master Academic		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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si oi courses dei	πα πεία ον ίπε ι	eacher in me acc	requeo sinov o	noorammes

List c	of courses b	lueing held by the teacher in the accred	lited study programme					
	ID	Course name		Study programme name, study typ				
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 Solution Dynamic Systems	Simulation of	(E20) Computin Academic Studie	g and Control Engineering, l	Doctoral		
17.	DAU018	Selected Chapters in Distributed Co	ntrol Systems	(E20) Computin Academic Studie	g and Control Engineering, I	Doctoral		
18.	ZRD25A	Selected chapters from Artificial Inge	eligence	(Z01) Safety at	Work, Doctoral Academic St	udies		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.		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.		rić S., Erdeljan A., Čapko D., Lendak I cal neural network, International Jourr 33						
3.		ovic, A. Erdeljan, D. Capko, I. Lendak cal neural network, International Jourr						
4.		ovic, A. Erdeljan, D. Capko, I. Lendak engineering ISSN: 1392-1215, pp. 59		nmon Information	Model with Virtual Meter, El	ectronics and		
5.		o, A. Erdeljan, S.Vukmirovic, I. Lendak UTION MANAGEMENT SYSTEMS, Ir				A MODEL IN		
6.		ovic, A. Erdeljan, D. Capko, I. Lendak ng, Information technology and contro			ch for Utility Management S	ystem Workflow		
7.		ıkmirović S., Erdeljan A., Kulić F.: Hy 2012, Vol. 16, No S, pp. 215-224, ISS		etwork System for	r Short-Term Load Forecasti	ng, Thermal		
8.		ić S., Erdeljan A., Lendak I., Čapko D strial Research (JSIR), 2010, Vol. 201				al of Scientific		
9.	Vukmirović S., Vujić G., Vujic 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	nmary data	for teacher's scientific or art and profe	essional activity:					
	ation total :		0					
	Total 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

Computing and Control Engineering

<u> </u>									
						anov D. Ljiljana			
					Full Professor				
	e of the insi ng date:	titution v	vhere the te	acher works full time and	15.03.1976	chnical Sciences - Novi Sad			
	ntific or art f	ield:			Electronics				
	emic carie		Year	Institution	Electronico		Field		
	emic title e		2000	Faculty of Technical Sci	ences - Novi Si	he	Electronics		
	thesis		1989	School of Electrical Eng			Electronics		
	ster thesis		1980	School of Electrical Eng	<u> </u>		Electronics		
	elor's thesis		1974	School of Electrical Eng			Electrical and Computer Engineering		
		-	-	acher in the accredited stu					
						.5			
	ID	Course	e name				gramme name, study type		
1.	E222A	Electro	onics			(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
]							asurement and Control Engineering,		
2.	EM303	Microe	electronics			(E10) Pow	uate Academic Studies er, Electronic and Telecommunication g, Undergraduate Academic Studies		
						(H00) Med	chatronics, Undergraduate Academic Studies		
3.	H110	Materi	als in Electr	ical Engineering			asurement and Control Engineering, uate Academic Studies		
						(H00) Mechatronics, Undergraduate Academic Studies			
4.	H311	Applica	ation of Ser	nsors and Actuators		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
5.	BM117C	MEMS	and NEMS	3		(BM0) Biomedical Engineering, Undergraduate Academic Studies			
6.	BMI107	Materials and fabrication technologies in medic			edical devices	Studies (E10) Pow	(BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
7.	BMI110	Senso	rs and actu	ators in medicine			medical Engineering, Undergraduate Academic		
8.	DE101S	Conter materi		croelectronic technologies	and	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies			
9.	DE502S	Micro-	sensors and	d MEMS			ver, Electronic and Telecommunication g, Specialised Academic Studies		
10.	EM517	Modeli	ing and Sim	ulation of Semiconductor	Components		er, Electronic and Telecommunication g, Master Academic Studies		
11.	SI014	Microe	electronic te	chnologies			ver, Electronic and Telecommunication g, Specialised Professional Studies		
12.	SI024	Applica	ation of Ser	nsors and Actuators			ver, Electronic and Telecommunication g, Specialised Professional Studies		
13.	BMIM1D	Applica	ation of ME	MS and NEMS in biomed	icine	(BM0) Biomedical Engineering, Master Academic Studies			
14.	EM519	Senso	rs, actuator	s, MEMS and NEMS			er, Electronic and Telecommunication g, Master Academic Studies		
15.	DE101	Contemporary Microelectronic Technologies and Materials			s and		ver, Electronic and Telecommunication g, Doctoral Academic Studies		
16.	DE502	Micro-	sensors and	d MEMS		· · ·	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)					
1.	 R. Raghavendra, P. Bellew, N. Mcloughlin, G. Stojanović, M. Damnjanović, V. Desnica, Lj. Živanov, "Characterization of Novel Varistor+Inductor Integrated Passive Devices," IEEE Electron Devices Letters, vol. 25, no. 12, pp. 778-780, 2004. 								
2.	2. G.Stojanović, M. Damnjanović, V. Desnica, Lj. Živanov, R. Raghavendra, P. Bellew, N. Mcloughlin, "High performance zig-zag and meander inductors embedded in ferrite material," Journal of Magnetism and Magnetic Materials, vol. 297/2, pp. 76-83, 2006.								
3.	M Dampianović, G. Stojanović, Li, Živanov, V. Despica, "Comparison of different structures of ferrite EMI suppressors."								

153	42.22		UNIVERSITY OF NO					
RS	AND BUILD	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
N.	A HA	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVIS	SAD, TRG DOSH	EJA OBRADOVICA 6			
2.2		Study F	Programme A	ccreditatio	on	St S		
.0	PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Computing	and Control Engineering	.e. Hos		
Re	presentative r	efferences (minimum 5, not more th	an 10)					
4.		nović, G. Stojanović, V. Desnica, Lj. ation of ferrite EMI suppressors," IE						
5.	,	vić, Lj. Živanov, "Novel efficient met RF and Microwave Computer-Aided				nternational		
6.		, Lj. Živanov, O. Aleksić, "The mod gnetics and Mechanics: Electromagr						
7.		, Lj. Živanov, M. Nimrihter, O. Aleks sactions on Instrumentation and Me				ated LC Filters",		
8.	V. Desnica, Lj. Živanov, O. Aleksić, S. Jenei: "Modeling and optimization of thick film solenoid-bar type inductors and							
9.	P.M.Nikolić, M.B.Pavlović, Z.Maričić, S.Djurić, Lj.Živanov, D.Samaras, G.A.Gledhill, "Low temperature far-infrared complete reflectivity spectra of single crystal Ba hexaferrite", Infrared Physics, vol. 33, No.5, Pergamon Press, G.B., pp.401-408, 1992							
10.	P.M.Nikolić, Lj.D.Živanov, O.S.Aleksić, D.Samaras, G.Gledhil, J.Collins: "Far infrared optical properties of single crystal Ba- and Sr- hexaferrite", Infrared Physics, Vol.30,							
Su	Summary data for teacher's scientific or art and professional activity:							
Quot	tation total :		48					
Tota	I of SCI(SSCI) list papers :	12			-		
Curr	ent projects :		Domestic :	1	International :	3		





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

					<u>≯</u> ≚				
Name and last name:					Živanov S. Žarko				
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and starting date:					Faculty of Technical Sciences - Novi Sad 01.01.2001				
	Scientific or art field:					nuter Scienc	ce and Informatics		
	lemic carie		Year	Institution	Applied Collin		Field		
	lemic title el		2012	monution					
	thesis	ection.	2012	Faculty of Technical Sci	oncos Novi S	ad	Applied Computer Science and Informatics Applied Computer Science and Informatics		
	ster thesis		2012	Faculty of Technical Sci			Applied Computer Science and Informatics		
	elor's thesis		2007	Faculty of Technical Sci			Applied Computer Science and Informatics		
				acher in the accredited stu			Applied Computer Science and Informatics		
LISU		enig ne				5			
	ID	Course	e name			Study pro	gramme name, study type		
1.	E217	Comp	uter Archite	cture		Academic			
						Academic			
2.	E223A	Object	Programm	ing		Academic			
		,				Àcadémic			
3.	E225	Operating Systems				(E20) Computing and Control Engineering, Undergraduate Academic Studies			
		•				Academic	 Power Software Engineering, Undergraduate emic Studies 		
		E234 Compilers				(E20) Computing and Control Engineering, Undergraduate Academic Studies			
4.	E234					(ES0) Power Software Engineering, Undergraduate Academic Studies			
							asurement and Control Engineering, uate Academic Studies		
5.	SZP01	Select	ed topics in	Information technologies			(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies		
		E2529 Parallel and distributed architectures				(E20) Con Academic	nputing and Control Engineering, Master Studies		
6.	E2520					(ES0) Pov Studies	ver Software Engineering, Master Academic		
0.	L2329					(MR0) Me Academic	asurement and Control Engineering, Master Studies		
						er, Electronic and Telecommunication g, Master Academic Studies			
7.	E2534	34 Data Compression				(E20) Con Academic	nputing and Control Engineering, Master Studies		
/.	L2004	Data C	Joinpressio			(SE0) Software Engineering and Information Technologies, Master Academic Studies			
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.	Žarko Živ računara	anov, Iv	/an Nejgeba	auer, Lazar Stričević, Miro	oslav Hajdukovi	ć: Praktikun	n računarskih vežbi za predmet ARhitektura		
2.	Rakić P., Milašinović D., Živanov Ž., Suvajdžin Z., Nikolić M., Hajduković M.: MPI–CUDA parallelization of a finite-strip program								
3.	Hajduković M., Milašinović D., Nikolić M., Rakić P., Živanov Ž., Stričević L.: Scope of MPI/OpenMP/CUDA Parallelization of								
4.	Živanov Ž Rakić P. Hajduković M. COLIBROS: Educational operating system Computer Science and Information Systems								
5.				ović M.: Wireless sensor stems (ComSIS), 2008, Vo			amming and simulation system, Computer SN 1820-0214		

SITAS STUDE UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Computing and Control Engineering Representative refferences (minimum 5, not more than 10) Živanov Ž., Rakić P., Hajduković M.: Using code generation approach in developing kiosk applications, Computer Science and 6 Information Systems (ComSIS), 2008, Vol. 5, No 1, pp. 41-59, ISSN 1820-0214 *****Autori: Suvajdžin Z., Hajduković M., Živanov Ž. Naziv: Character oriented program editing – habit or necessity? Naziv 7 časopisa: Novi Sad Journal of mathematics *****Autori: Hajduković M., Suvajdžin Z., Živanov Ž., Hodžić E. Naziv: A problem of program execution time measurement Naziv 8 časopisa: Novi Sad Journal of mathematics *****Milašinović D., Živanov Ž., Rakić P., Suvajdžin Z., Nikolić M., Hajduković M., Borković A., Milaković I.: A Finite-Strip Analysis 9 of Nonlinear Shear-Lag Effect Supported by Automatic Visualization. Rakić P., Milašinović D., Živanov Ž., Hajduković M.: MPI-CUDA Parallelisation of the Finite Strip Method for Geometrically 10 Nonlinear Analysis, 1. Internationale Conference on Parallel, Distributed and Grid Computing for Engineering, Pecs: Civil-Comp Press, , ISBN 978-1-905088-29-4 Summary data for teacher's scientific or art and professional activity: Quotation total : 0 Total of SCI(SSCI) list papers : 7 0 International : Current projects Domestic : 0



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

Study Programme Accreditation

Computing and Control Engineering



UNDERGRADUATE ACADEMIC STUDIES

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 Computing and Control Engineering study programme is organized in two shifts ensuring 2 m2 of space per student.

Teaching is done in lecture halls, classrooms and specialized laboratories. The library houses more than 1000 library units relevant for the Computing and Control Engineering 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 Computing and Control Engineering is performed has laboratories which are equipped in cooperation with renowned international companies: IBM, Cisco Systems, Allied Telesyn, Micronas, ABB, Philips, Sagem, OpenWave, AOL, Cirrus Logic, Danfoss, Nivelco, Feedback, Siemens, Leica, Trimble, Schneider electric.



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

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.







Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Computing and Control Engineering

Standard 12. Distance Education

Distance learning is not provided for.