

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

Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES
Environmental Engineering



### STUDY PROGRAMME ACCREDITATION MATERIAL:

# ENVIRONMENTAL ENGINEERING

#### DOCTORAL ACADEMIC STUDIES

Novi Sad 2012. Prevod sa srpskog jezika:

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- Ivana Mirović
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- Dragana Gak
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Brunner H. Paul	
Schulze Lamers H. Peter	
Adžić Z. Nevenka	
Atanacković M. Teodor	
Budak M. Igor	
Budinski-Petković M. Ljuba	
Dimkić A. Milan	
Doroslovački D. Rade	
Đurić N. Slavko	
Folić J. Radomir	
Gilezan K. Silvia	
Grbić P. Tatjana	
Gvozdenac D. Dušan	
Gvozdenac Urošević D. Branka	
Hadžistević I Miodrag	
Hodolič I. Janko	
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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering



Programme name	Environmental 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	Environmental and Occupational Safety Engineering
Type of studies	Doctoral Academic Studies
Study scope, expressed in ECTS	180
Academic degree, abbreviation	Doctor of Science - Environmental Engineering, Ph.D.Env.Eng.
Study length	3
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	2
Planned number of students to be enrolled in this programme	45
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 - PhD Studies



DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Standard 00. Higher Education Institution Competence for the Implementation of PhD Studies

Teaching structures, facilities and equipment of laboratories and lecture rooms, an amphitheater for carrying out doctoral studies in all fields, confirm that the Faculty is competent for performing doctoral studies.

The Faculty has a short-and long-term work program and is accredited as a research institution, in accordance with the law.

The competence of the faculty for the implementation of doctoral studies can be expressed by:

- the number of doctoral dissertations and master theses defended in the higher education institution for area for which the study program is accredited in relation to the number of graduates and the number of teachers

- the ratio of teachers and the number of teachers involved in the research projects

- the ratio of publications in international journals according to the recommendation of the Ministry of Science, within last 10 years and the number of teachers

- achieved cooperation with research and educational institutions in the country and abroad.



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Standard 01. Programme Structure

The name of this doctoral study program is Environmental Engineering, which enables the academic title of PhD in Environmental Engineering. The outcome of the learning process is knowledge and competence that allow students to be able to do the independent, innovative and creative research.

Doctoral Studies of Environmental Engineering last 3 years, providing 180 ECTS, out of which 90 ECTS are achieved by passing the exams in academic subjects, 30 ECTS are achieved by passing the study and research work on theoretical grounds of doctoral dissertation, 60 ECTS are acquired by study research on the realization of the doctoral thesis and elaboration and defense of PhD thesis. Doctoral studies last at least three school years (6 semesters) and up to 10 years of study.

Research work on theoretical grounds is a doctoral dissertation gualifying exam for the doctoral dissertation which students have to master in order to show necessary theoretical knowledge in the scientific field of Environmental Engineering. Theoretical foundations are taken as an exam (written and / or oral) by asking the questions, including at least three courses from the study program.

Studies on PhD are organized through lectures, studio work and research, scientific work, elaborating and defending a doctoral dissertation.

The research interest is determined by the student who selects courses to be trained and passed as exams, contributing to the updated knowledge and understanding of the field of doctoral dissertation topics. Elective courses are selected from the group of proposed courses for the study program, but students have the opportunity to choose a number of courses, with the consent of the mentor (co-mentor), from a set of courses within the PhD study program at the Faculty of Technical Sciences, UNS, or any other university in the country or abroad. At the same time, preconditions must be met that are prescribed for attendance of selected course.

Classes in the academic courses (compulsory or optional) are performed as a group or individual mentoring. Group classes are held if a course is chosen by five or more students. The decision on the type of instruction and elective courses is made by the Head of PhD with the consent of the Manager of doctoral studies at the Faculty.



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DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Standard 02. Programme Objectives

The purpose of the study program of Environmental Engineering doctoral studies is to enable students to be capable of high-quality and independent research in accordance with the trends of development of science and research in the interdisciplinary science of environmental engineering and social needs of the system under development.

Through education of the staff trained to critically evaluate and conduct independent and original scientifically relevant research, the basis for the development of new technologies and procedures that contribute to overall development of society is formed. The purpose of the study program of doctoral studies in Environmental Engineering is a contribution to development in the multidisciplinary field of the science of Environmental Engineering.

PhD degree program of Environmental Engineering is designed to ensure the acquisition of competencies and academic skills that are socially necessary and applicable.

The Faculty of Technical Sciences has defined objectives and targets for the education of highly competent personnel in the field of technology and the purpose of the study program of Environmental Engineering is fully consistent with the objectives and goals of the Faculty of Technical Sciences.



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Standard 03. Programme Goals

The aims of the PhD Programme of Environmental Engineering is to achieve scientific competence and academic skills, develop creative abilities considering the problems, ability of critical thinking, developing skills in team and collaborative work and mastery of specific and practical skills for professional dealing with issues from the field of environmental engineering.

The aim of the study program is to educate Ph.D. researcher in the field of Environmental Engineering who has sufficient theoretical and applicable knowledge that is consistent with contemporary directions for development of scientific disciplines in domestic atmosphere and abroad.

One of the specific goals of the doctoral studies, which is consistent with the goals of education experts at the Faculty of Technical Sciences, is raising awareness among students of the need of personal contribution to sustainable development of society and the environment. In addition, the aim of the study program is to educate PhD researchers for team work as well as to develop skills to disseminate and display the original research results to professionals and general public.



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

**Environmental Engineering** 

Standard 04. Graduates' Competencies

The PhD graduates from the academic studies in Environmental Engineering are competent to conduct research and to solve real problems in practice. Competencies include the development of critical thinking skills, skills of problem analysis, synthesis and forecasting solutions, behavior of the proposed solutions of the studied problems. Qualifications that signify completion of doctoral academic studies are gained by the students:

• who have demonstrated a systematic understanding of knowledge in the field of environmental engineering which complements the knowledge gained in the graduate academic studies, being the basis for developing critical thinking and application of knowledge;

• who have mastered the skills and methods of research in the field of environmental engineering;

• who have demonstrated the ability of conception, design and implementation;

• who have demonstrated ability to adapt to the research process with the necessary degree of academic intearity:

• whose original research and work resulted in the realization that expands the boundaries of knowledge, which was verified by publishing in appropriate scientific journals, being the reference in national and international level:

• capable of critical analysis, evaluation and synthesis of new and complex ideas;

• who can transfer knowledge, expertise and ideas to colleagues, the general academic community and society as a whole;

• who are able to promote technical and technological, environmental, social and cultural progress in the academic and professional environment.

Upon graduation, PhD program enables students to possess knowledge, skills, developed capabilities and competencies to:

· independently solve practical and theoretical problems and organize and realize development and research;

· to participate in international scientific projects;

- to realize development and implementation of new technologies, procedures and treatments
- think critically, work creatively and independently;
- respect the principles of the code of ethics and good scientific practice;

 be gualified to present research results at scientific conferences, be able to publish them in scientific journals, and verify them through patents and new technical solutions;

• contribute to the development of a scientific discipline of environmental engineering as a science in general. By mastering the curriculum the student receives the following subject-specific competency:

thorough knowledge and understanding of the discipline of environmental engineering;

- ability to solve problems using scientific methods and procedures;
- integrated connection of basic knowledge in various fields and its application;
- ability to follow modern developments in the profession;
- the necessary skill and dexterity in the use of knowledge in the field of environmental engineering;
- skill in using information and communication technologies.

The PhD graduates are trained to design, organize and manage production. During education, doctoral student acquires the ability to independently create and define experiments, using statistical analysis of results with experimental data visualization and to formulate and adopt the appropriate conclusions.

Graduate students of environmental engineering doctoral study program learn how to economically use natural resources of the Republic of Serbia in accordance with the principles of sustainable development of protection and improvement of the environment.

In addition, acquired competencies are verified by research papers. Before receiving a diploma of graduation, a candidate has to publish (or to prove that the papers are accepted for publication) at least two papers of R54 rank (according to categorization of the Ministry of Science) and at least one paper in the magazine with SCI list.





FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies



DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Standard 05. Curriculum

The curriculum of the academic PhD studies in Environmental Engineering was created for the purpose of implementation of defined objectives of the PhD engineering study programme for environmental engineering. The structure of the studies enables that elective courses account for at least 70% of the ECTS.

During doctoral academic studies, students study the specific problems of environmental engineering. Through elective courses, students meet their scientific research affinities that have been profiled within the graduate academic studies.

All courses last one semester and carry the appropriate number of ECTS points, with one point corresponding to approximately 30 hours of student's activities.

The curriculum is defined by a description of each course of study, including the name, type of article, year and semester, the number of ECTS credits, the name of the teacher, the course aims to be expected, outcomes, knowledge and competencies, prerequisites for attending the course, course content, recommended literature, methods of teaching, testing and grading and other relevant data. Each course is designed so that about half of the class loading belongs to lectures and the other half is relating to study research. The research is an independent work of PhD students in the area of the attached course, such as defined in consultation with the relevant teacher.

Study program complies with European standards in terms of conditions of entry, duration of study, conditions of transition to the next year, graduation, and modes of study. The curriculum is designed so that classes are held in the first three semesters through 7 courses. In the first semester, classes are held through three compulsory courses (methods of scientific work; selected topics in mathematics, physical-chemical principles in environmental protection) and one elective course. In the second and third semester (each containing two electives), students are opting for elective courses in consultation with comentor, which is assigned to each student of the PhD studies.

Teaching of any course is performed as a group or individual (mentor). Group teaching is done in a case of five or more students, or if such type of teaching is necessary due to the nature and character of the course. The decision on the type of instruction and elective courses is made by the Manager of doctoral studies in consent with the Head of PhD studies at tha Faculty of Technical Sciences.



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Environmental Engineering

Course	:				_								
Course	id:	DZ001			Scie	entific Research	Method						
Numbe	r of ECTS:	5		anacković M. Teodor, Folić J. Radomir									
Teache	rs:		Atanackov	ić M. Teodor, Fo	olić J. Rad	lomir							
Course	status:		Mandatory	1									
Numbe	r of active tead	hing classe	s (weekly)										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cl	asses:				
	0	C		0		3		0					
Precon	dition courses	-		None		•							
1. Educ	ational goal:												
To enal	ole students fo	r successfu	writing of scientific papers and doctoral dissertations.										
2. Educ	ational outcom	nes (acquire	ed knowledg	nowledge):									
- Ability - Ability - Ability - Ability - Ability	- Ability of understanding varius scientific metods witch was used in scientific literature - Ability of successful managing in proffesonal literature - Ability of successful creating and ending of doctoral dissertation												
3. Cour	se content/stru	icture:											
Definition Scientifi Genera Structure Writing Writing Evaluat	on of science. ic methodolog I and special s re of a scientifi and publishing the doctoral di ing scientific re	Developme y. cientific me c paper. Ty g scientific p ssertation. esults.	nt of scienc thods. pes of scier papers.	e through histor	у.								
4. Teac	hing methods:												
Lecture	s. Consultation	ns with stud	ents. Semir	nar paper.									
				Knowledge e	valuation	(maximum 100 points)							
	Pre-examina	ation obligat	ions	Mandatory	Points	Final e	xam	Mandatory	Points				
Project				Yes	30.00	Oral part of the exam		Yes	70.00				
					Litera	ature							
Ord.	A	wthor		Title Publisher Year									
1,	Karl Poper		Log	ika naučnog otk	rića		Nolit, Beograd		1973				



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course	c		Pro	bability, Sta	atistics a	and Theory of	Engineering	Experin	nent	
Course	id:	DOM30		-		-				
Numbe	r of ECTS:	12								
Teache	ers:		Kovačev P. Pavel	ić M. Ilija, Lužanin	L. Zorana, (	Grbić P. Tatjana, Hodo	lič J. Janko, Hadžisto	ević J. Miodra	ag, Kovač	
Course	status:		Elective							
Numbe	r of active teac	hing classe	es (weekly	()		-				
I	ectures:	Practical	classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	asses:	
	5	0	)	0		3		0		
Precor	dition courses			None						
1. Edu	cational goal:									
The kn with ap experii	The knowledge is used in vocational subjects and practical work and mathematical models are made and solved in vocational subjects with application of the the gained knowledge in probability and statistics. The qualifications are checked in the theory of engineering experiments.									
2. Edu	cational outcom	ies (acquire	ed knowle	dge):						
The st he/she	ident is compe is capable of p	tent for fur practical re	ther educ alization o	ation in vocationa of experimental st	al subjects, b tudies based	being able to create and I on lessons learned f	nd solve mathematic rom the theory of the	cal models. Ir e experiment	n addition,	
3. Cou	rse content/stru	cture:								
Selecte of the f engine experin theory	Selected topics in probability theory. Selected topics in mathematical statistics. Selected topics in theory of engineering experiment. Part of the teaching course to be done through an independent study research in the field of probability, mathematical statistics and theory of engineering experiments. Research work includes active monitoring of primary scientific sources, organization and execution of experiments and statistical data processing, numerical simulations, paper writing in the field of probability, mathematical statistics and theory of engineering experiments.									
4. Tea	ching methods:									
Lecture experin theoret held re literatu	es: ( Superviso nent, dependir ical part is follo gularly. Throug re independent	or together ng on the o wed by exa h the study	with a stu choices o amples wl / research 1 with the	udent chooses to f candidates for hich serve to clari h, the student dee teacher, students	pics in proba other course fy the theore epens the ma are trained	ability theory, mathem es). Consultation. Lec tical part of the curricu aterial from the lecture for independent writin	natical statistics and ctures are conducte Ilum. Apart from lect is, by studying scier n of paper	theory of en d in combina ures, consulta tific journals	gineering ation. The ations are and other	
interate			,	Knowledge e	valuation (m	aximum 100 points)	<u>9 o. papon</u>			
	Pre-examina	tion obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Term p	aper	<b>J</b>		Yes	50.00 Wr	itten part of the exam	- tasks and theory	Yes	50.00	
					Literatu	re				
Ord.	A	uthor			Title		Publish	er	Year	
1,	Mood, A. M., Boes, D. C.	Graybill, F.	. A., In	troduction to the t	heory of stati	stics	McGraw Hill		2005	
2,	Papoulis, A.		Pr pr	obability, random ocesses	variables an	d stochastic	McGraw Hill		2002	
3,	Stojaković, N	1.	SI	učajni procesi			FTN, Novi Sad		1999	
4,	Jevremović,	V., Mališić,	J. St	. Statističke metode u metorologiji i inženjerstvu Savezni hidrometorološki zavod. Beograd 2002						
5,	Hodolič, J., F Tkač, M., Ha	ladžistević, jduova, Z.	M., Al	Alati za statističko upravljanje kvalitetom         FTN, Novi Sad         2011						
6,	Kovač, P.		Μ	etode planiranja i	obrade eksp	erimenta	FTN, Novi Sad		2011	
7,	Silvia Gilezar Lužanin, Tatj Biljana Mihai Nedović, Zor Ivetić, Kseniji	n, Zorana ana Grbić, lović, Ljubo an Ovcin, J a Doroslova	elena ački	birka rešenih zada	taka iz verov	vatnoće i stetistike	FTN, Novi Sad		2009	



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:					<u> </u>							
Course	id:	DZ01F			Sele	cted Chapters in	n Physics					
Number	of ECTS:	12										
Teache	rs:		Budinsk Vučinić-	i-Petković M. Ljub Vasić T. Milica	a, Kozmid	is-Luburić F. Uranija, Koz	midis-Petrović F. Ana	a, Satarić V. I	Miljko,			
Course	status:		Elective									
Number	of active teac	hing classe	es (weekl	y)		_						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
	5	(	)	0		3		0				
Precond	lition courses			None								
1. Educ	ational goal:											
To acqu	ire the knowle	dge of phy	sics whic	h is applied in mo	dern engir	neering.						
2. Educ	ational outcom	nes (acquire	ed knowle	edge):								
The stu as well	dents will have as evolvement	e acquired t in science	the know and rese	ledge which enable earch work in the	les them to correspon	o develop models for solv ding areas.	ring problems in pract	tical professi	onal work			
3. Cours	se content/stru	icture:										
Studen enginee materia method	t can choose ring, 2. Quant ls, amorphous of statistics p	in consult um tunnell materials bysics, rai	ation wit ing effect , spin gla ndom nu	th programme su t and applications, ass, 5. Natural an mber generator. N	ipervisor, 3. Quant d artificial Monte Car	one of the suggested um dots, wires and tubes polymers and their app lo simulation.	modules: 1. Lasers, , Applications in nand lication in nanotechn	their applic otechnologie ologies, 6. N	ations in s, 4. New Numerical			
4. Teac	hing methods:											
Lecture Lecture to lectu other re with the	Lectures. (The student can choose in consultation with co-mentor, one or more modules depending on module scope). Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples. In addition to lectures there are regular consultations. Through research and study work the student will, on the bases of scientific journals and other relevant literature that has been studied independently, develop further understanding of the material covered in lectures. Working with the course teacher the student develops the ability to independently work on a scientific paper.											
	Knowledge evaluation (maximum 100 points)											
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Term pa	aper			Yes	50.00	Oral part of the exam		Yes	50.00			
					Liter	ature						
Ord.	A	uthor			Title		Publishe	r	Year			
1,	K. Binder, D.	W. Heerma	ann M	Ionte Carlo Simula	ation in Sta	atistical Physics	Springer-Verlag		1988			



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:													
Course	id: D	DZ01M		S	Selecte	d Chapters in N	/lathematics						
Number	of ECTS: 1	2											
Teache	rs:		Adžić Z. N Kovačevi Ralević N	ć Z. Nevenka, Doroslovački D. Rade, Gilezan K. Silvia, Grbić P. Tatjana, Kostić Z. Marko, ačević M. Ilija, Mihailović P. Biljana, Pantović B. Jovanka, Pilipović R. Stevan, Rajković R. Milan, vić M. Nebojša, Sladoje Matić I. Nataša, Stojaković M. Mila, Teofanov Đ. Ljiljana, Uzelac S. Zorica									
Course	status:		Elective										
Number	of active teach	ing classe	s (weekly)	)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:				
	5	C	)	0		3		0					
Precond	lition courses			None									
1. Educ	. Educational goal:												
To acquire knowledge which can be used in professional subjects and practical work, develop and solve mathematical models for engineering courses using the knowledge gained through selected chapters in mathematics.													
2. Educ	ational outcome	es (acquire	ed knowled	dge):									
Student	Student will have been competent enough to develop and solve mathematical models in further professional education.												
3. Cours	. Course content/structure:												
Studen Optimiz Functio .13.Stoo Euclidea Logic in Algebra Theory. of math statistic	Student can choose in consultation with programme supervisor, one of the suggested modules: 1. Numerical Mathematics, 2. Dptimization. 3. Pattern Recognition. 4. Partial Differential Equations, 5. Nonlinear Equations. 6. Computational geometry. 7. Elements of sunctional Analysis. 8. Combinatorics. 9. Graph Theory.10.Operational Research- Linear Programming. 11. Probability 12. Statistics 13. Stochastic Processes. 14. Vector analysis. 15. Complex Analysis. 16. Linear Algebra. 17. Differential and Difference Equations. 18. Suclidean and Non-Euclidean Geometry. 19. Fractional Calculus, Differential Equations . 20. Operational Research-Quiuing theory. 21. ogic in Computing. 22. Discrete Mathematics. 23. Higher order Logic. 24. Theory of Mobile Processes. 25. Numerical Methods of Linear Algebra. 26. Fuzzy Sets. 27. Economic and Financial Mathematics. 28. Groups and Algebras Li. 29. Formal Languages and Automata Theory. 30. Process Algebras. 31. History of Mathematics. Part of the course is in the form of independent research and study in the field of mathematics. Study and research work is based on primary scientific sources, organization and conduction of experiments and												
4. Teach Lecture contribu study w further	hing methods: s. (The student s are organized te to better und ork the student understanding udently work o	t can choc d in comb derstandir will, on th of the m on a scier	ose in cons ned form og of the t e bases o naterial co ntific pape	sultation with su . The presentati heoretical part. I of scientific journ povered in lectur er	ipervisor, on of the n addition als and ot res. Worki	one or more modules de theoretical part is follow to lectures there are re- her relevant literature that ing with the course tea	ppending on module s red by the correspon gular consultations. T at has been studied ir icher the student de	scope). Cons iding examp Through rese idependently evelops the	sultations. les which earch and /, develop ability to				
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examinati	ion obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points				
Term pa	aper			Yes	50.00	Oral part of the exam		Yes	50.00				
					Litera	ature							
Ord.	Au	ithor			Title		Publishe	er	Year				
1,	Alexander Mo	od,	Int	roduction to the t	heory of s	tatistics	McGraw Hill		2005				
2,	Athanasios Pa	apoulis	pro	Desses	i variables		McGraw Hill		2002				
3,	I. Kovačević, N	N. Ralević	Fu	nkcionalna anali:	za		FTN (edicija tehničk udžbenici), Novi Sa	ke nauke- d	2004				
4,	N.Ralević,I.Ko	vačević	Zb	irka rešenih zada	ataka iz Fu	inkcionalne analize	udžbenici), Novi Sa	d	2004				
5,	M.Stojaković		Slu	Slučajni procesi FTN, Novi Sad 1999									
6,	V.Jevremović,	J.Mališić	Sta	Statističke metode u metorologiji i inženjerstvu Savezni hidrometorološki zavod. Beograd 200									
7,	Zeidler E.		No	Nonlinear Functional Analysis and Aplications         Springer-Verlag, New York- Berlin-Heidelberg-Tokyo         198									
8,	Zlobec S., Pet	trić J	Ne	Nelinearno programiranje Naučna knjiga, Beograd 1989									
9,	Dauxois, M. P	eyrard	Physics of Solitons Cambridge Oniversity Press, Cambridge, New York 2006										
10,	Saaty, T. L		Мс	odern Nonlinear I	Equations		Dover Publications, York	Inc., New	1981				
11,	N. Ralević, S.	Medić	Ma	atematika 1 - drug	gi deo		FTN, Novi Sad		2002				
12,	Juergens, D. S	Baupe	CI	haos and Fractal	s		Springer Verlag, Ne	ew York	2004				

ANNO 25	S STUDIORUM	FACULTY OF T	UNIVERSITY OF NOVI SAD ECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSIT	EJA OBRADOVIĆA 6	UNKNX MAN				
NEOPL	Study Programme Accreditation - PhD Studies           DOCTORAL ACADEMIC STUDIES   Environmental Engineering								
Literature									
Ord. Author Title Publisher									
13,	Mileva Prvanović Osnovi geometrije Građevinska knjiga, Beo								



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UNIVERSITY OF NOVI SAD

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

Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:												
Course id:		ZDO03	Ap	Applied Analysis of Physical and Chemical Parameters								
Number of	ECTS:	13		Janié D. Jalana, Čnanik J. Juan Turk Sakulić M. Maja, Vajinavić Milaradov D. Mirjana								
Teachers:			Radonić R.	nić R. Jelena, Španik J. Ivan, Turk-Sekulić M. Maja, Vojinović-Miloradov B. Mirjana								
Course stat	tus:		Elective									
Number of	active teac	hing classe	s (weekly)									
Lectu	ures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:			
5	5	0		0		4		0				
Preconditio	n courses			None								
1. Educatio	nal goal:											
Improveme applied and	Improvement of theoretical knowledge, competencies and skills in the field of environmental engineering and detailed theoretical and applied analysis of key physical and chemical parameters in environmental engineering.											
2. Educatio	nal outcom	nes (acquire	d knowledg	e):								
Acquiring r theoretical	Acquiring necessary level of knowledge, skills and competencies of multidisciplinary field of environmental engineering with a specific heoretical and applicative analysis of physical-chemical characteristics, the dominant process in the field of environmental protection.											
3. Course o	content/stru	icture:										
Introduction protection. reactions. molecules. supramole	n to applie Interface Kinetics of Fullerene cular syst	d analysis surface pho photo-che es, endohe ems.	of physical enomena. mical react dral and e	-chemical cha Chemical and ions Macro-m gzohedral mo	racteristic physical iolecules. lecules. I	s and parameters which adsorption and energy. Biomacromolecules. Na Nano phenomena and i	n are dominant in th Absorption. Kinetics anomolecules. Clust nano technologies.	e field of env s of physical- er systems o Supramolec	ironment chemical f organic ules and			
4. Teaching	g methods:											
Lectures, s	eminars, pi	roject task.										
				Knowledge e	evaluation	(maximum 100 points)						
Р	re-examina	tion obligat	ons	Mandatory	Points	Final ex	kam	Mandatory	Points			
Computer e	exercise att	endance		Yes	5.00	Written part of the exam	<ul> <li>tasks and theory</li> </ul>	Yes	25.00			
Laboratory	exercise a	ttendance		Yes	5.00	Oral part of the exam		Yes	25.00			
Project task				Yes	5.00							
Term paper	r			Yes	20.00							
				100	Liter	ature						
Ord.	A	uthor			Title	· · · · · · · · · · · · · · · · · · ·	Publish	er	Year			
1, Je	an-Marie L	.ehn	Sup	ramolecular Ch	emistry: C	concepts and	Wiley-VCH		1995			
2, Pe	eter Atkins,	Julio De Pa	ula Atkir	ns" Physical Ch	emistry		Oxford University F	Press	2006			
3, Ja	mes I Drev	ver	The	Geochemistry	of Natural	Waters	Prentice Hall		1982			



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UNIVERSITY OF NOVI SAD

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

Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:					<u> </u>							
Course	id:	ZD060			Sele	cted topics in ai	r pollution					
Number	of ECTS:	13										
Teache	r:		Đurić N.	Slavko								
Course	status:		Elective	ective								
Number	of active tead	hing classe	es (weekly	')								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
	5	(	C	0		4		0				
Precond	lition courses			None								
1. Educ	ational goal:											
The ai dispers	m of the cour ion in the atn	rse is that nosphere	doctoral s	students, master	r and app	y contemporary method	is in the field of air	pollution and	d effluent			
2. Educ	ational outcom	nes (acquir	ed knowle	dge):								
The out	come of the ca	ase is the ti	raining of c	doctoral students	for indepe	endent, teamwork and res	earch in all phases o	of air pollution				
2 Cour	a contont/otri	ucturo:										
S. Cours	se content/stru	icture.										
Sources plants, i matter f pollutar industria Euler, L	s of air pollutio measurements rom industrial its (general e al smokestack agrange mod	on, biogenio s of air poll plants, poll quation of <s, in<br="" other="">lel), flue ga</s,>	c and an-p ution gase luting kom dispersion fluential fa as (gas de	ogeni pollution so and particulate opnenti depositio n of pollutants, t actors on the dis sulphurization-d	ources and sampling on (wet and he influen spersion o ry, semi-d	d pollution particles. Rela and measurement method dry deposition), Mathem ce of atmospheric cond f pollutants, local-Gauss ry and wet processes,),	ted regulations of em ods. Calculation of ga natical models for atm itions on the dispers ian dispersion mode biofilters, electrostat	hissions from aseous and p hospheric disp sion of polluta I, regional di tic precipitato	industrial particulate persion of ants from spersion- or solids			
4. Teac	hing methods:											
Lecture	s, seminars, c	onsultation	s									
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points			
Term pa	aper			Yes	50.00	Written part of the exam	<ul> <li>tasks and theory</li> </ul>	Yes	50.00			
			Literature									
Ord.	A	Author			Title		Publishe	er	Year			
1,	Colls, J.		Ai	r Pollution			E&FN SPON, UK, L	_ondon	1997			
2,	Faith W.L., A	tkisson A.A	A. Jr Ai	Jr Air pollution Jet Contraction Second edition, Wiley- Interscience, New York 1972								
3,	Marcus J.J.		Mi	ining Environmen	tal Handb	ook	Imperial college pre	ess, London	1997			
4,	Maslansky C	., Maslans	ky S. Ai	r Monitoring Instr	umentatio	n	Van Nostrand Rein York,	nolā, New	1993			



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

Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course					_								
Course	id:	SID04			Cı	irrent State in th	ne Field						
Number	r of ECTS:	2		acković M. Teodor, Katić A. Vladimir, Kulić I. Filip, Vilotić Ž. Dragiča									
Teache	rs:	ŀ	Atanacković	M. Teodor, Ka	atić A. Vla	dimir, Kulić J. Filip, Viloti	ć Ž. Dragiša						
Course	status:	١	Mandatory										
Number	r of active teac	hing classes	(weekly)										
L	ectures:	Practical c	lasses:	Other teaching	ng types:	Study rese	arch work:	Other cl	asses:				
	0	0		0		2		0					
Precon	dition courses		None										
1. Educ	ational goal:												
Introduc	ntroducing students to the current research directions and manners in solving problems from the wider study field.												
2. Educ	ational outcom	nes (acquireo	d knowledge)	):									
Knowle Europe	dge on the cur or prominent	rrent researd experts from	ch directions the well-kno	worldwide in own compani	the field, es abroad	based on lectures by pr d.	ominent professors f	rom the univ	ersities in				
3. Cour	se content/stru	icture:											
Conterr topics c	porary topics or attend lectur	in the field o res as they v	of research, wish or as th	presented by ney find the to	promine	nt professors and expertesting.	s on lectures on invit	ation. Stude	nts select				
4. Teac	hing methods:												
Survey	on solving con	temporary p	roblems by t	heoretical me	thods and	I multimedia presentation	S.						
				Knowledge e	valuation	(maximum 100 points)							
	Pre-examina	tion obligation	ons	Mandatory	Points	Final e	kam	Mandatory	Points				
Project				Yes	30.00	Oral part of the exam		Yes	70.00				
					Liter	ature							
Ord.	A	uthor		Title Publisher Year									
1,	Razni		Časop	oisi sa SCI list	е		IEEE Publishing, i d	r.	2008				



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UNIVERSITY OF NOVI SAD

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

Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:				Calid Materials in the Fravirenment						
Course i	d:	ZD017		S	Solid N	laterials in the E	nvironment			
Number	of ECTS:	14								
Teachers	S:		Kozmidis-Pe	etrović F. Ana,	Štrbac D	. Dragana, Štrbac D. Drag	jana			
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	isses:	
	5	(	)	0		4		0		
Precondi	ition courses		-	None		·				
1. Educa	ational goal:									
Enabling environn	Enabling students to acquire theoretical and practical knowledge of solid, crystalline and amorphous materials as components of the environment and their participation in violation of the Environment									
2. Educa	ational outcom	nes (acquire	ed knowledge	e):						
Acquired	d knowledge to	o be used i	n further train	ing and educa	ation as w	ell as in solving practical	engineering problems	6.		
3. Cours	e content/stru	icture:								
Solid ma Interactio Recyclin glasses. possibilit	aterials. Arran on of glass a ng of solid wa . Regulated s ty of pollutior	ged and no nd differen aste in the ystems. M n and its pr	on-arranged s t types of rad glass and ce etals and ins revention. Eu	structures, gla iation and the eramics indus ulators.Physic ropean stand	ss. Glass impact o stry. Prep cal charae ards and	, physical characteristics. f these changes on enviro aration and characteriza cteristics. Changes mad norms in the use of thes	Glass-water interac onment. Glass, energ tion of ecological s e by interactions with the materials in differ	tion. Natural o gy and climate ilicate and pl th natural age ent segments	corrosion. e change. hosphate ents. The S.	
4. Teach	ning methods:									
The conv	versation met	hod and gr	oup work with	n students.						
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points	
Lecture a	attendance			Yes	20.00	Written part of the exam	- tasks and theory	Yes	60.00	
Term pa	per			Yes	20.00					
	Literature									
Ord.	A	uthor			Title Publisher		Year			
1,	Elliott,S.R		Physi	cs of Amorphe	ous Mater	ials	New York	u., London &	1983	
2,	Feltz, A.		Amor	phe und Glass	sartige An	organic Festkorper	Akademi Verlag Be	rlin	1983	
3,	Blakemore, J	.S.	Solid	State Physics			University Press, C	ambridge	1988	



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:										
Course	id:	ZSP09		R	emedi	ation of Contarr	ninated Sites			
Number	of ECTS:	14								
Teachei	'S:		Kosec L. E Miloradov	Borut, Španik J. B. Mirjana	Ivan, Vujio	ć V. Zoran, Kosec L. Boru	t, Sokolović M. Slobo	dan, Vojinovi	ić-	
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:	
	5	C	)	0		4		0		
Precond	lition courses			None						
1. Educa	ational goal:									
The goa of pollut	The goal of to course is to enable the students of PhD studies to master the modern methods of identification of contaminated sites, type of pollutant, pollution intensity, the process of selecting the optimal method of remediation, and basic methods of cost-benefit analysis.									
2. Educa	2. Educational outcomes (acquired knowledge):									
The res	The result of this course is to prepare doctoral students for independent and team work in all phases of pollution identification implementation methodology of a site, selection and application of optimal methods of remediation for specific site.									
3. Cours	se content/stru	cture:								
Environ substan and uns methods	mental assess ces, methods aturated hydr s, analysis of	sment, rese of qualitati o-geologic samples o	earch meth ve and qua al environr of polluted	ods of geologicantitative identific nent, models of sites remediation	al and hyc ation of p spread o on.	drogeological investigatio ollutant sites, migration o f pollutants, RBCA meth	n of contaminated si f contaminated subst od, selection methoo	tes, types of ances in the lology of rer	polluting saturated nediation	
4. Teacl	ning methods:									
Lecture	and Consultat	ion								
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Term pa	iper			Yes	30.00	Written part of the exam	<ul> <li>tasks and theory</li> </ul>	Yes	30.00	
						Oral part of the exam		Yes	40.00	
					Liter	ature	-			
Ord.	A	uthor	Title Publisher				Year			
1,	I.A.Mirsal		Soi	I Pollution:Origin	n,Monitorir	ng &Remediation	Springer Verlag		207	
2, 3,	F.H. Chen, N N.Krešić,S.V ć	Iorris, ujasinović,l	I.Mati Rei	i Engineering: T medijacija podze	esting, De emnih vod	sign, and Remediation a i geosredine	CRC Pr I Llc Rudarsko geološki t Beograd	fakultet,	1999 2006	



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

Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

**Environmental Engineering** 

Table 5.2 Course specification Course: Groundwater Management Course id: ZSP13 Number of ECTS: 14 Teacher: Dimkić A. Milan Course status: Elective Number of active teaching classes (weekly) Study research work: Lectures: Practical classes: Other teaching types: Other classes: 5 0 0 4 0 Precondition courses None 1. Educational goal: Giving students the basic knowledge on groundwater. Introduction to the problems of using ground water and groundwater management, with special emphasis on problems of monitoring and protection. 2. Educational outcomes (acquired knowledge): Student needs to understand the groundwater system (phenomena, processes, management objectives, utilization, protection). 3. Course content/structure: Introduction. Status of groundwater as a natural resource. The objectives of groundwater management. Main characteristics of groundwater resources control . Self - cleansing processes. Protected zone. Criteria and methods of protection. Groundwater filtration as a single measure of treatment. Climate change and groundwater. Sustainable and adaptive management of groundwater. Processes caused by the exploitation and pressure on groundwater. Groundwater monitoring. The situation in our country. 4. Teaching methods: Lectures, consultations and seminar paper. Knowledge evaluation (maximum 100 points) Mandatory Points Final exam Pre-examination obligations Mandatory 30.00 Written part of the exam - tasks and theory Term paper Yes Yes Oral part of the exam Yes Literature Ord. Author Title Publisher 1. Bear, J Dynamics of Fluids in Porous Media American Elsevier, New York Određivanje koeficijenta filtracije preko podataka o Institut "Jarosalv Černi", 2, Vuković M., Soro A., granulometrijskom sastavu posebna izdanja, Beograd 3, Dimkić A. M. Samoprečišćavajući efekti filtracije podzemne vode Zadužbina Andrejević, Beograd Groundwater Management in 4, IWA Publishing,London Large River Basins Rudarsko geološki fakultet, 5, Dragišić, V. Opšta hidrogeologija Institut za Hidrogeologiju, Bg 6, Freeze, R.A., and J.A. Chery Groundwater Prentice-Hall, USA 7, de Wiest, R.J.M., Flow Through Porous Media Academic Press, New York Dragoni and Sukhia Climate Change and Groundwater Geological Society, London 8.

Points

40.00

30.00

Year 1988

1985

2007

2008

1997

1979

1969

2008



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:			C	ontempor	ary Ap	proaches to Su	stainable En	gineering	q
Course	id:	ZSP14			5 1	Biosystems	5	0	0
Number	of ECTS:	14							
Teache	rs:		Schulze La	amers H. Peter,	Martinov	L. Milan, Veselinov V. Bra	anislav		
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:
	5	(	)	0		4		0	
Precond	lition courses			None					
1. Educ	ational goal:								
Acquirir develop	Acquiring knowledge in the field, considering new developments and the ability to define goals and tasks of their own research and development activities.								
2. Educ	2. Educational outcomes (acquired knowledge):								
Capabil	Capability for scientific research activities in the area.								
3. Cours	se content/stru	cture:							
Scope of The dev The con Achieve Modern Measur Modern Econom Rural de Problem	vater conservation, air and soil. Scope of application of Good Agricultural Practices, Global GAP rating of applicability in Serbia, a good practice. The development of agricultural machinery and equipment, contribution to sustainable agriculture. The contribution of IT achievement of sustainable agricultural production, achievements and prospects. Achievements in the production and use of renewable raw materials, products of agriculture. Modern methods of control and management of agricultural machinery and equipment. Measurement and sensors in agriculture. Modern methods of production in greenhouses. Economic aspects of sustainable agricultural production. Rural development, cultural heritage and other social influences. Problem definition and good other social influences.								
4. Teac	hing methods:								
Auditory	/ teaching, me	ntoring, co	nsultancy.						
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Project				Yes	30.00	Written part of the exam	- tasks and theory	Yes	70.00
					Liter	ature			
Ord.	A	uthor			Title		Publishe	er	Year
1,	Stout, B.		Han Plar	ndbook of Agricu nt Production Er	ultural Engingering	jineering, Volume III	CIGR and ASABE		1999
2,	Munack, A.		Han Info	idbook of Agricu rmation Techno	ultural Engology	jineering, Volume VI	CIGR and ASABE		2006
3,	Harms, H-H.,	Meier, F.	Yea	rbook Agricultu	ral Engine	Engineering Landwirtschaftsverlag, Münster 2010			2010
4,	Anonim		Ges Eige Lan <u>Abla</u>	amtbetribliche ( enkontrolle. Lan dwirtschaft und age; Teil 3-Infos	Qualitäts- desanstal der Ländl	Sicherung, Teil 1- t für Entwicklung der ichen Räume; Teil 2-	Landesanstalt für E der Landwirtschaft Ländlichen Räume, Schwäbisch Gmünd	ntwicklung und der	2006
5,	Oztekin, S., M	Martinov, M	1. Mec	dicinal and Aron Processing	natic Crop	s, Harvesting, Drying	Haworth Food and Products Press, Ne	Agricultural w York	2007
6,	Kamp, P., Tir	nmerman,	G.J Con	nputerised Envi	ronmenta	Control in Greenhouses	PTC+, Ede		2003



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:			С	esion and	Plann	ing Processes t	o Minimize W	/aste an	d
Course	id:	ZSP21		ee.g. ee.		Hazardous Mate	erials		
Number	of ECTS:	14							
Teacher	rs:		Kosec L.	Borut, Ubavin M.	Dejan, V	ujić V. Goran			
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:
	5	C	)	0		4		0	
Precond	lition courses	-		None		-			
1. Educa	1. Educational goal:								
To intro and use	To introduce students to systematic approach in the environmental field, through the design and planning of lower production of waste and use of less hazardous substances.								
2. Educa	ational outcom	nes (acquire	ed knowle	dge):					
Student minimiz	Students acquire knowledge on environmental protection, sustainable production, with elements of eco-design products and waste minimization, minimizing the use of hazardous substances.								
3. Cours	se content/stru	icture:							
The env Sustaina Methoda Partnera	rironmental pro able productio s to minimize ship as instrur	otection sys on methods the use of ment in the	stem and t of minimi hazardou e design a	the concept of cle zation of waste in s substances (ch nd planning proc	aner prod n producti nemicals) æss.	uction. on processes. Eco-desig in production processes	n and case studies o and case studies of	f design and design and	planning. planning.
4. Teacl	ning methods:								
Lecture	and consultati	ion.							
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obligation	tions	Mandatory	Points	Final ex	am	Mandatory	Points
Term pa	aper			Yes	30.00	Written part of the exam	- tasks and theory	Yes	30.00
						Oral part of the exam		Yes	40.00
					Liter	ature			
Ord.	A	uthor	Title Publisher				Year		
1,	Liptak	г, Liu & Be	Er	G. Environmental Engineer's Handbook Boca Raton: CRC Press LLC 19				1999	
2,	M.D.La Greg P.L.Buckingh ERM,	a, nam, J.C.Ev	vans, Ha	azardous Waste N	Managem	ent	McGraw Hill		2001



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

**Environmental Engineering** 

Course: Modern Principles of Energy Management Course id: ZSP24 Number of ECTS: 14 Teachers: Gvozdenac D. Dušan, Gvozdenac Urošević D. Branka Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 5 0 0 4 0 Precondition courses None 1. Educational goal: The goal of the course is to enable the students of PhD studies to master modern methods of energy management. 2. Educational outcomes (acquired knowledge): The outcome of the course is to qualify students of PhD studies for independent and team work in all phases of the study and application of energy management projects. 3. Course content/structure: -The importance of energy efficiency -Correlation energy efficiency and environmental protection Economy-energy production and use The-art technologies in energy efficiency -Energy efficiency measures -Promotion of rational use of energy -Influential factors on energy consumption -Energy indicators -Energy management in an enterprise -Tasks of energy manager, his position in the enterprise -Planning and organizing for effective energy management -Creating a program of energy management at the macro and micro level -Monitoring and control -Strategy and policy of long-term energy development and environmental protection. Policy instruments and strategies. Legislation (laws, by-laws, regulations and standards) in our country, the EU Directive in the field of environmental protection. 4. Teaching methods: Lecture and Consultation Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points 30.00 Written part of the exam - tasks and theory Term paper Yes Yes 30.00 40.00 Oral part of the exam Yes Literature Ord. Title Publisher Author Year PREPARING THE COMPANY ENERGY PLAN (A **Energy Publications** 1986 1, Harris, P. management Planning Guide) Capehart, B. L., Turner, W. 2, GUIDE TO ENERGY MANAGEMENT (4th edition) 2003 The Fairmont Press Kennedv, W



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course	:		Trar	Transport and distribution of pollutants in heterogeneous						
Course	id:	ZD050			mi	ulticomponent s	vstems	-9		
Numbe	r of ECTS:	14					yotonno			
Teache	rs:	Ra	idonić R. J	elena, Španil	k J. Ivan, ⊺	ſurk-Sekulić M. Maja, Voj	inović-Miloradov B. N	lirjana		
Course	status:	El	ective							
Numbe	r of active teac	hing classes (	weekly)							
L	ectures:	Practical cla	sses:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:	
	5	0		0		4		0		
Precon	dition courses			None						
1. Educ	ational goal:									
Educati applicat	Educating students about transport, deposition and distribution of pollutants in environmental mediums, with the aim of understanding and application of multi-phase models for predicting persistence and long range transport potential of pollutants in the environment.									
2. Educ	2. Educational outcomes (acquired knowledge):									
Acquirii long rai	ng knowledge nge transport o	in the field of of pollutants ir	environme heteroge	ental contami nous multico	nation by	organic pollutants, asses systems.	sment of the presen	ce, behavior	, fate and	
3. Cour	3. Course content/structure:									
Basic c levels c transpo phenon atmosp the env	Basic characteristics of organic pollutants. The presence of organic pollutants in environmental mediums. Assessment of concentration levels of organic pollutants. Transformation processes of organic pollutants in the environment. General characteristics of pollutants transport within a single environmental medium and between different environmental mediums. Fluxes and the nature of partitioning phenomena in water/air, water/sediment and soil/air systems. Partitioning of organic pollutants between gaseous and solid phase in the atmosphere. Equilibrium partitioning coefficients. Partitioning modelling of organic pollutants in heterogenous multicomponent systems of the environment. Multiphase models for predicting persistence and long range transport potential of organic pollutants in the environment.									
4. Teac Lecture	hing methods: s and individua	al consultation	<b>3</b> .							
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	tion obligation	s	Mandatory	Points	Final ex	kam	Mandatory	Points	
Present	ation			Yes	10.00	Written part of the exam	<ul> <li>tasks and theory</li> </ul>	Yes	40.00	
Term pa	aper			Yes	20.00	Oral part of the exam		Yes	30.00	
					Liter	ature				
Ord.	A	uthor			Title		Publishe	er	Year	
1,	Klečka G., Bo Franklin J., G D., Howard F Larson B., M D., van de M	bethling B., Brady L., Graha P. H., Kannan I ackay D., Muii eent D.	Evalua K., of Org	ation of Persis Janic Chemica	stence and als in the E	d Long-Range Transport Environment	Society of Environm Toxicology and Che (SETAC), Pensacol USA	nental emistry a, Florida,	2000	
2,	Mackay D.		Multimedia Environmental Models – The Fugacity Approach CRC Press Taylor & Francis Group, Second Edition, Boca 199 Raton, Florida, USA						1992	
3,	Scheringer N	1.	Persis Chem Risk A	tence and Sp icals – New E Assessment	atial Rang thical and	ge of Environmental	WILEY-VCH Verlag Co. KgaA, Weinheir	GmbH & n, Germany	2002	
4,	Thibodeaux I	J., Mackay I	D. Handb Enviro	book of Chem Inmental	ical Mass	Transport in the	CRC Press Taylor & Group, 1 edition, Bo Florida, USA	& Francis oca Raton,	2010	



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:									
Course	id:	ZDI23		Mate	erial Fl	ow Analysis in I	Jrban Syster	ns	
Number	of ECTS:	14							
Teache	rs:		Brunner	H. Paul, Ubavin M	1. Dejan, ∖	/ujić V. Goran			
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	asses:
	5	(	)	0		4		0	
Precond	lition courses		-	None					
1. Educ	ational goal:								
To intro special materia systems term sol opportu	special emphasis on the analysis of material flow in urban areas as gravitating centres of long-term reserves and sources of waste materials. Students master the methodology of analysis of material flows and are introduced to the most critical material flow in urban systems, including methods for their identification, as well as methods for evaluation of the existing situation in order to generate long- erm solutions. Students are introduced to the achievements in this area and development model in order to be better prepared to identify opportunities for research in this area.								
2. Educ	2. Educational outcomes (acquired knowledge):								
A stude waste m in these of their i	nt acquires kn nanagement, v areas, as wel inaccuracy.	owledge of vith empha Il as the ma	f the new i sis on the anner for s	methodology in the design of anthro synthesis and eva	ne field of pogenic n Iluation of	environmental protection netabolism, as an advanc collected data, taking int	, industrial ecology, r ed tool for the suppo o account the possib	resource mar ort in making bility	agement, decisions
3. Cours	se content/stru	icture:							
Principl interact classific issues i develop	es of material ion of enviror ation of signifi n urban syster ment.	flow analy ment and icance of ir ms. Criteria	vsis metho urban sy ndividual f and meth	odology. Basics of stems. Design of lows according to hods of evaluation	of anthrop f urban sy the defin ns of both	pogenic metabolism. The ystems. Identification ar led problem. Predicting b n existing and predicted s	e structure of anthro d mapping of mate ehavior of proposed tates of urban syster	ppogenic sys rial flows. M solutions for ms, their defi	tems, the ethods of explored nition and
4. Teac	hing methods:								
The me specific	thod of teachir examples, the	ng is based analysis c	on lecture of scientific	es, research, and sources.	simulatio	n process, including writir	ng a paper in defined	area, discus	sions with
-		-		Knowledge e	valuation	(maximum 100 points)			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Term pa	aper			Yes	40.00	Oral part of the exam		Yes	60.00
Literatu			ature						
Ord.	A	uthor			Title		Publishe	er	Year
1,	Paul H. Brun Recheberger	ner, Helmu	t Ma	aterial Flow Analy	rsis		Lewis publishers		-
2,	Petter Baccir	ni,Paul H.	M	etabolism of the A	ntropospl	here	Springer		-



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:			Prer	paration for	r the A	Application of Do	octoral Disser	tation T	opic
Course	id:	SID05							- 1
Number	of ECTS:	2							
Teachei	'S:								
Course	status:		Mandator	У					
Number	of active teac	hing classe	s (weekly)	)					
L	ectures:	Practical	classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	asses:
	0	C	)	0		2		0	
Precond	lition courses	•		None		•	•		
1. Educa	1. Educational goal:								
Overvie monogra is to ove	Diverview of situation in the area of the proposed topic for doctoral dissertation based on the scientific literature analysis – books, nonographs, papers in referential journals, papers from conference proceedings, available documentation at websites, etc. The objective s to overview the possibilities of the thesis and scientific potential of the topic.								
2. Educa	2. Educational outcomes (acquired knowledge):								
Study o doctoral	n the potentia dissertation,	ls of the pr as well as	oposed do clear direc	octoral dissertation ctions in further re	on topic, i esearch c	e. the systematized know on the topic.	vledge in the area of	the researcl	n topic for
3. Cours	se content/stru	icture:							
Defining scientific etc. Stu	the wider are books, mono dy on the pote	ea of the do ographs, pa entials of th	octoral dis apers in re e propose	ssertation topic a ferential journals ed doctoral disse	nd key m , papers rtation top	otives for research. Over from conference proceec pic.	rview of literature on lings, available docur	the basis of nentation at	available websites,
4. Teacl	ning methods:								
Teachin	g is performed	d as tutorial	S.						
				Knowledge e	valuation	(maximum 100 points)			
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points
Term pa	iper			Yes	70.00	Oral part of the exam		Yes	30.00
					Liter	ature			
Ord.	A	uthor		Title Publisher			Year		
1,	Priznati nauč iz oblasti tem	nici i stručr ne Dr teze	<sup>ijaci</sup> Ra	izna naučna dela					sve



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course: Course	Course: Course id: ZD040		Ai	n Integrate	ed App	proach to the L	se of Conven	tional an	d
Number	of ECTS:	14		enewable	Eller	Jy Sources Ap		System	5
Teache	r:		Nakomčić	-Smaragdakis B	. Branka				
Course	status:		Elective						
Number	of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study res	earch work:	Other cla	isses:
	5	(	)	0			4	0	
Precond	lition courses		-	None		-			
1. Educ	ational goal:								
Acquisi renewa	tion of knowle ble energy so	edge and t urces.	raining of s	students for fur	ther appli	cation and practice in	energy use in the fie	ldof conventi	onal and
2. Educ	ational outcom	es (acquire	ed knowled	ge):					
Studen renewa	ts acquire the bleenergy so	e necessa urces in p	ry knowled ower syste	dge and practic ems.	al experi	ence for further appli	cation in the field, us	ing conventi	onal and
3. Cours	se content/stru	cture:							
Thermo analysis using re aspects	-economic and and calculati enewable energia	d environn on of envir rgy source	nental anal conmental ( s (RES) in	ysis and optimi: costs in energy a all modules, fo	zation of e systems t ormed dep	energy systems that us hat use conventional e bending on thetypes of	e conventional energy nergy sources. Techn sources are conside	y sources.Co ology and sy red from the	st-benefit stems for following
*Availat *Techno *The po *Techno *Assess *The sta 1.Solar	*Availability of resources at home and abroad *Technologies and systems for converting energy from renewable sources in other useful forms of energy, *The possibilities and technical solutions for the storage of energy produced, *Techno-economic analysis (using software at http: / / www.izzs.uns.ac.rs and http: / / www.peec.ftn.uns.ac.rs *Assessing the impact of RES on the environment *The status and future vision of the development of renewable energy sources of the observed (R & D)Modules RES: 1.Solar energy								
2. Wind 3. Geote 4. Hydro 5. Bioma 6. Bio-fu 7. Nucle 8. Energ 9. Advar 10. Ener	Energy rmaina energy energy ass energy els (biodiesel a ar energy y of tide, low ti iced RES tech gy storage	, and biogas de, wave a nologies (c	) and ocean t compressed	hermal energy d hydrogen, fuel	cells, etc.	).			
4. Teac	hing methods:								
Lecture: professi	s and consulta onal work.	tions, inclu	iding mento	ors working with	students	in order to train them fo	r further independent r	research, scie	entific and
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final	exam	Mandatory	Points
Lecture	attendance			Yes	10.00	Oral part of the exam		Yes	70.00
Term pa	aper			Yes	20.00				
Ord	Δ	uthor			Liter	ature	Bublich	or I	Voor
	Gvozdenac D	., Nakomč	ić-	e eu ditud i= s - i					rear
1,	Smaragdakis Urošević B.	B. Gvozde	enac Ob http	Obnovljivi izvori energije + softver na     Edicija tehničke nauke-       http://www.izzs.uns.ac.rs i     udžbenici, FTN, Novi Sad			2010		
2,	Nakomčić-Sn	naragdakis	B. Iermoprocesna postrojenja sa energetskog, ekonomskog i ekološkog aspekta-interna skripta FTN, Novi Sad 200			2009			
3,	Bejan A, Ts Moran M.	atsaronis C	B., The	Thermal Design and Optimization         John Wiley and Sons, NY         199           User back of Freeze Trucks & Freeze         ODC states & Freeze         199			1996		
4,	Kreith F., Go	swami Y. D	). Hai Ene	andbook of Energy Efficiency and Renewable CRC press, Taylor & Francis Group, LLC, NY 2007			2007		
5,	Kaltschmitt M Wiese A.	I., Streiche	r W., Rei Env	newable Energy vironment	: Technolo	ogy, Economics and	Springer Berlin Hei York	delberg New	2007

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Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

		Literature		-
Ord.	Author	Title	Publisher	Year
6,	Tester J., Drake E., Driscoll M., Golay M., Peters W. A.	Sustainable Energy: Choosing Among Options	The MIT Press, Cambridge, Massachusetts, London, England	2005
7,	Goswami Y. D, Kreith F.	Energy Conversion	CRC press, Taylor & Francis Group, Boca Raton, FL	2008
8,	Dewulf J., Van Langenhove H.	Renewables-Based Technology, Sustainability Assessment	John Wiley & Sons Ltd, England	2006
9,	Kotas T.	The Exergy Method of Thermal Plant Analysis	Butterworths	1985
10,	Himmelblau D.M., Bischoff K.B.	Process Analysis and Simulation: Deterministic Systems	John Wiley & Sons, NY	1968
11,	Farret F. A., Simoes G.M.	Integration of Alternative Sources of Energy	John Wiley & Sons, New Jersy	2006
12,	Elliott T. C., Chen K., Swanekamp R. C.	Standard Handbook of Powerplant Engineering	McGraw Hill, NY	1998
13,	Lin D.H.F., Liptak B.G. ed	Environmental Engineer s Handbook	Boca Raton: CRC Press LLC	1999
14,	Yantovskii E.I.	Energy and Exergy Currents (An Introduction to Exergonomics)	NOVA Science Publishers, NY, USA	1994



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:			Mo	Models of Economic Evaluation of Projects for Environment					
Course	id:	ZDO42			00	Protection			
Number	of ECTS:	14				1 1010011011			
Teache	rs:		Pavlović I	D. Milan, Vujić V	. Goran				
Course	status:		Elective						
Number	of active teac	hing classe	es (weekly)	)					
L	ectures:	Practical	classes:	Other teach	ing types:	Study rese	arch work:	Other cla	asses:
	5	(	)	0		4	ŀ	0	
Precond	lition courses			None					
1. Educ	ational goal:			-					
To enal conditio	ole students to ns at local, na	o understant ational and	nd and ap I global ma	ply the principle arkets.	es of integr	ated sustainable econor	nical and environme	ntal science	at market
2. Educ	ational outcom	es (acquire	ed knowled	dge):					
To train and imp	n doctoral stud proving enviror	lents to pre imental qu	esent mark ality.	et conditions in	a sustaina	able way for the purpose	of integrating econo	mic goals, ma	aintaining
3. Cours	3. Course content/structure:								
develop econom reductio market entrepre systems of envir Ecologi	Fundamentals of business ecology. National economic interest and planetary sustainable development. Sustainable technological development. Impact of EMS on innovation processes and products. Economic valuation of biodiversity. Indicators in ecological economics. Economic and environmental concept for the evaluation of environmental services. The costs of pollution prevention and reduction of pollution and specific economic interest in protecting the environment. Modeling in ecological economics. Ecological marketing. The influence of eco-labels on business success. Ecological branding. Ecological entrepreneurship. Ecological entrepreneurship and sustainable development. Ecological entrepreneurship and legal regulations. Influence of integrated management systems on the development of ecological entrepreneurship. Directions for development of ecological entrepreneurship. Standardization of environmental metrics. Analysis of ecological service programs in developed and developing countries. Launch of eco-businesses.							ntion and cological cological cological nagement ardization sinesses.	
4. Teac	hing methods:								
Lecture	s, dialogue, se	minars,pre	-examinati	ion obligations.					
				Knowledge	evaluation	(maximum 100 points)			
	Pre-examina	ition obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points
Homew	ork			Yes	5.00	Coloquium exam		No	20.00
Lecture	attendance			Yes	5.00	Oral part of the exam		Yes	70.00
Termpo				res	Litor	aturo			
Ord	Δ	uthor			Title		Publish	ər	Vear
1,	Pavlović, M		Ittle         Publisher           Kvalitet i integrisani menadžment sistemi         Tehnički fakultet «M. Pupin»		л. Pupin»	2006			
2,	. Winter, G		Bu	Business and the Environment Mc Grow Hill 1			1998		
3,	J. Bennet		Ec	Ecopreneuring John Wiley & Sons, Inc., New York 200			2001		
4,	Heal, G		Na	ture and Market	place		Island Press, Wash	ington	2000
5,	Hanley, N, et	all,	En	vironment Econ	omics in T	heory and Practice	Oxford University P	ress, Oxford	1997



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course			Mode	Modern Instrumental Methods of Pollutants Analysis in the					the
Course	id:	ZSP17				Environmen	it	5	
Number	of ECTS:	14					-		
Teache	r:		Palić V. Drag	gan					
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:
	5	(	)	0		4		0	
Precon	dition courses		· · ·	None					
1. Educ	ational goal:								
Underst	anding the the	oretical ba	sis and practi	cal applicatior	n of instru	mental analysis modern n	nethods of pollutants	in the enviror	nment.
2. Educ	ational outcom	es (acquire	ed knowledge	):					
Acquire environ	Acquired theoretical and applied knowledge of instrumental analysis and interpretation of the determination of pollutants in the environment.								
3. Cours	3. Course content/structure:								
The pre prevent chroma absorpt	esence of con ion and contro tography (GC ion spectrosc	taminants I of enviro ). Liquid c opy. Nucle	in effluents nmental conta chromatograp ear magnetic	and waste pr amination. Th ohy (HPLC). resonance.	rocessing e basics c Spectroso	industry of aggregation of instrumental methods c copic methods. Absorpti	s. Best available te f analysis. Chromato on spectroscopy (IF	chniques(VA ography meth t,visible, UV	.T) in the ods. Gas ). Atomic
4. Teac	hing methods:								
Lecture	s, seminar pap	ers, consu	Itations.						
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Lecture	attendance			Yes	20.00	Written part of the exam	<ul> <li>tasks and theory</li> </ul>	Yes	60.00
Term pa	aper			Yes	20.00			-	
					Liter	ature			
Ord.	A	uthor			Title		Publishe	er	Year
1,	EC Joint Res	earch Cen	ter Integr	ated Pollution	Preventio	on and Control	n and Control European Comission 2006		
2,	Skoog, D. A.,	, Leary, J.	J. Princi	ples of Instrur	mental An	alysis <td>Saunders College Publishing<td></td><td>1992</td></td>	Saunders College Publishing <td></td> <td>1992</td>		1992
3,	Rouessac F.,	Rouessac	c, A. Chem ans T	ical Analysis: echniques	Modern I	nstrumentation Methods	John Wiley & Sons		2007
4,	Milosavljević,	, S. M.	Strukt	urne instrume	entalne me	etode	Hemijski fakultet, U Beograd	niverzitet	2004



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Course:		Applications of optimal control theory in living environment								
Course	id:	ZD051	protection			, y				
Number	Number of ECTS: 14		protocion							
Teachers:			Spasić T. Dragan, Vujić V. Goran							
Course	status:		Elective							
Number	Number of active teaching classes (weekly)									
Lectures: Practical		classes: Other teaching types: Study rese			arch work:	ch work: Other clas				
	5 0		)	0 4		0				
Precond	lition courses	-		None						
1. Educational goal:										
Introduction of different formulations of optimal control problems and basic analytical and numerical methods of their solutions.										
2. Educational outcomes (acquired knowledge):										
Ability of the analysis of both state and state transition, identification of acceptable model as well as control parameters, by which the efficiency criteria for evolution of the ecological system under consideration is minimized.										
3 Course content/structure:										
Mathematical models of ecological systems. Compartment dynamical systems. Models of structural populations. Interactions of models. Models of communities. Problems of linear and non-linear programming. Elements of variational calculus. Pontryagin's Maximum principle in problems with and without constraints. Belmman's principle of dynamical programming. Numerical solution of optimal control problems										
4. Teaching methods:										
Stress is laid on deduction. Careful selection of the examples which show how does the presented theory works in practice, and how things were made and how things should be used, as well as why something can be done in the proposed way and can not be done otherwise, why some procedures are superior with respect to others.										
Knowledge evaluation (maximum 100 points)										
Pre-examination obligations			tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Term paper				Yes	20.00	Oral part of the exam	ne exam		70.00	
Test				Yes	10.00					
			Literature							
Ord.	A	uthor	Title			Publisher		Year		
1,	Alekseev, Til	nomirov i Fe	omin Op	otimalno upravlja	alno upravljanje			FM lit., Moskva		
<u>∠</u> ,	opejer i Jako	05011	Sta	abilnost i optimal	no upravli			2010		
3,	CUKVI		nasleđem				Akademik press		1992	
4,	Blasius, Kurt	s i Stoun, e	d. Dir mo	odeliranje u ekolo	ieksnin populacija: nelinearno kologiji, epidemiologiji i genetici		Vrld sajntifik		2007	
5,	Gilman		Uvod u matematičke modele ekologije i evolucije			ViliiBlekvel		2009		



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

**Environmental Engineering** 

Table 5.2 Course specification

0									
Course:		Efficient Use of Natural Resources and Low-Carbon							
Course id:	Course id: ZD052		Development						
Number of ECTS: 14		2010/04/10/10							
Teachers:		Mihajlov N. Anđelka, Ubavin M. Dejan							
Course status:		Elective							
Number of active teac	Number of active teaching classes (weekly)								
Lectures:	Lectures: Practical		asses: Other teaching types: Study research work:		Other classes:				
5	0		0	4	0				
Precondition courses	-	None							
1. Educational goal:									
Educational objective: Understanding the exploitation of natural resources (renewable and nonrenewable) in a sustainable manner, as well as improving the ecological footprint.									
2. Educational outcomes (acquired knowledge):									
The practical application of key principles: renewable resources must not exceed the rate of their renewal / regeneration; the use of non- renewable resources must not exceed the rate at which are developed substitutes for these resources (use should be limited to the extent at which they can be replaced physically or functionally equivalent renewable resources, or where consumption can be compensated by increasing the productivity of renewable and non-renewable resources ); amount of substances released into the environment (pollution) must not exceed capacity of transforming pollutants into harmless or less harmful to wildlife in the design process, strategic planning, financial, legislative and institutional organization.									
3. Course content/structure:									
1.Contents/subject structure: The structure of the subject consists of two interconnected parts: the efficient use of resources and "low- carbon" technologies and development (based on low emissions of greenhouse gases). Course content consists of contemporary settings of efficient use of resources, sustainable production and consumption, integrated pollution prevention and control, green procurement and supply chain, the method of calculating the ecological footprint, measures of economic and fiscal policy, measures for the economy with low consumption of carbon, Innovation for a Green Economy and sustainable development as well as education for sustainable development and the green economy. The main script will be comparatively analyzed									

(based on available data and indicators): business as usual scenario (BAU) and a set of green economy scenarios that reduce energy intensity, increasing the use of renewable energy sources and support the adoption of sustainable development of agriculture, tourism, transport, etc. . In the context of scenarios will be associated emissions of greenhouse gases with future climatic changes.

#### 4. Teaching methods:

Methods of teaching: lectures, consultations, research, public presentation of research (with the possibility of presentation outside the Faculty) with the possibility of public debate, research work prepared for publication in a journal or publication selected, the final check of the outcome.

Knowledge evaluation (maximum 100 points)									
Pre-examination obligations			Mandatory	Points	Final ex	kam	Mandatory	Points	
Lecture	attendance		Yes	5.00	Oral part of the exam	ne exam		50.00	
Project			Yes	45.00		- · · ·			
Literature									
Ord.	Author		Title			Publisher		Year	
1,	Mihajlov A., Stevanovic- Carapina H., Tadic M., Staudenmann J., Stokic D., Tsutsumi R., Bassi A.,	Studija o dostignućima i perspektivama na putu ka zelenoj ekonomiji i održivom rastu u Srbiji				UNDP/UNEP		2012	
2,	Grupa autora	Prva nacionalna komunikacija prema Okvirnoj konvenciji Ujedinjenih nacija o promeni klime			-		2010		
3,	Grupa autora	Efikasni načini za smanjenje emisije gasova sa efektom staklene bašte u post - Kjoto periodu			-		2011		
4,	Mihajlov A.	A Treaty for a Southeast European Energy Community, p.73-78, u: Stephen Stec, Besnik Baraj, Edited: Energy and Environmental Challenges to Security			Springer		2008		
5,	Grupa autora Was		Waste and Climate Change			UNEP		2010	


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

Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering



Table 5.2 Course specification

Course:											
Course	id:	ZDH1			Mode	rn Methods of E	co-design				
Number	of ECTS:	14									
Teache	rs:		Budak M. Ig	or, Hodolič J.	Janko, Ko	sec L. Borut, Vukelić B. <del>E</del>	Dorđe				
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:		
	5	0		0		4		0			
Precond	lition courses			None							
1. Educ	ational goal:										
Acquisit problem	tion of knowled	dge about r	modern meth	nods of eco-de	esign and	their potential application	n in solving environm	ental and en	gineering		
2. Educ	ational outcom	nes (acquire	ed knowledge	e):							
Compet	Competence to solve scientific and technical research tasks and problems concerning the application of modern methods of eco-design.										
3. Cours	se content/stru	icture:									
Basic co product method Eco-des	Basic concepts and terms of eco-design, methodology and methods of eco-design; Basic principles of eco-design and integration in product development, integration of eco-design methods in product lifecycle management, eco-design and economics; Application methods of LCC (Life-Cycle Costs) in the process of eco-design, Eco-System CAD (Computer Aided Design) to implement eco-design; Eco-design and eco-labeling: Development trends of eco-design										
4. Teach The clast tasks w lectures executi encomp	hing methods: sses are held ith application , consultations on of experin bassing the tl	in the form of moder s are regul nents and heme of P	of interactiv n ICT and s larly held. F statistical c hD thesis.	re lectures. Le software syste Research work lata processi	ectures pro ems for tl includes ng, nume	esent the theoretical part ne purpose of gaining kr active monitoring of prir prical simulation, writing	of the teaching mate nowledge from the s nary scientific resour g of paper in the sp	erial, includin tudy area. A rces, organiz pecific scien	g typical part from ation and tific field,		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	xam	Mandatory	Points		
Term pa	aper			Yes	50.00	Oral part of the exam		Yes	50.00		
					Liter	ature	i				
Ord.	A	uthor			Title	•	Publishe	er	Year		
1,	Hodolič, J.; V Budak, I.; Be J.	/ukelić, Đ.; šić, I.; Mura	ansky, Ekod	izajn i održivi ı	razvoj u m	ašinskom inženjerstvu	Fakultet tehničkih n Sad	auka, Novi	2009		
2,	Fuad-Luke, A	۹.	Eco [	Design			Chronicle Books		2006		
3,	Roat, R.		Eco I Grap	Design: Enviro <u>hic Design</u>	nmentally	Sound Packaging and	Rockport Pub		1995		
4,	Talaba, D.; R	Roche, T.	Produ Gree	uct Engineerin n Energy	g: Eco-De	sign, Technologies and	Springer		2004		
5,	Wimmer, W.; Züst, R.	Lee, K. M.	; Ecod	esign Impleme	entation		Springer		2004		



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

Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

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Course:										
Course	id:	ZSP15			Mass	Transport in Gr	oundwater			
Number	of ECTS:	14								
Teache	r:		Dimkić A. M	ilan						
Course	status:		Elective							
Number	of active teac	hing classe	es (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:	
	5	(	)	0		4		0		
Precond	lition courses			None						
1. Educ	ational goal:									
Acquisit knowle ground	Acquisition of knowledge and theoretical background in the field of groundwater transport of organic matter and the possibility of applying knowledge in solving concrete problems. Introducing candidates with the basic mechanisms and models of mass transport in groundwater.									
2. Educational outcomes (acquired knowledge):										
To qual	To qualify candidates for solving scientific and technical research assignments and problems related to mass transport in groundwater.									
3. Cours	3. Course content/structure:									
The pro importa Biocher artificial	cesses of ma nce of absorp nical processe nutrition and	ss transfer tion for pur es. Applied solutions fo	through por ification proc to the analy or cases of g	ous media. Co cesses in the sis and foreca roundwater po	ompositio aquifer (a ast of the e ollution.	n and characteristics of f dsorption, isotherm, ion e effects of underground wa	he aquifer. Hydrody exchange, absorptior ater filtration methods	namic disper n and biodeg s, coastal filtr	sion. The radation). ation and	
4. Teac	hing methods:									
Lecture	s, consultation	s and semi	nar papers.							
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points	
Term pa	aper			Yes	30.00	Oral part of the exam		Yes	30.00	
						Practical part of the exar	n - tasks	Yes	40.00	
					Liter	ature	r			
Ord.	A Direction A. MATH	uthor			Title	9	Publishe	er	Year	
1,	Heinz-Jürger	an., Brauch n, Kavanau	gh Grou	Groundwater Management in Large River Basins IWA Publishing,London 2					2008	
2,	Dimkić A. M.	,	Samo	oprečišćavaju	ći efekti filt	racije podzemne vode	Zadužbina Andrejev	vić, Beograd	2007	
3,	Bear, J		Dyna	mics of Fluids	in Porous	Media	American Elsevier,	New York	1988	



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

Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

**Environmental Engineering** 

Course: Engineering of Renewable Energy in Agriculture Course id: ZSP16 Number of ECTS: 14 Teachers: Schulze Lamers H. Peter, Martinov L. Milan, Veselinov V. Branislav Course status: Elective Number of active teaching classes (weekly) Study research work: Lectures: Practical classes: Other classes: Other teaching types: 5 0 0 4 0 Precondition courses None 1. Educational goal: Acquiring knowledge in the field, seeing new developments and the ability to define goals and tasks of their ownresearch and development activities. 2. Educational outcomes (acquired knowledge): Capability for research activities in the area. 3. Course content/structure: Consideration of new regulations and guidelines in the production and use of renewable energy sources in agriculture and rural areas. Detailed consideration of European and national regulations in the field. Modern solutions for the application of solar energy. Biomass, standardization of procedures, production. Energy-oriented agricultural production, processes, machines. Fast-growing plants, as sources of energy. Procedures of collection, storage and processing. The second-generation biofuels, state and perspectives, possibilities for application in Serbia. Advanced production technology and use of biogas. Research in the field of renewable energy sources. Economic and social aspects of production and use of renewable energy sources in agriculture and rural areas. Impacts on the environment. Problem definition and goals of action in the future, with special emphasis on research and development activities. 4. Teaching methods: Auditory teaching, study with mentor, consultation. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Mandatory Points Final exam Project 30.00 Written part of the exam - tasks and theory 70.00 Yes Yes Literature Ord. Author Title Publisher Year Energie aus Biomasse, Grundlagen, Techniken und 1, Kaltschmitt, M., Hartmann, H. Springer, Berlin 2009 Verfahren 2, 2005 Schmitz, K., Schaumann, G. Kraft-Wärme-Kouplung Springer, Berlin Handbook of Agricultural Engineering, Volume V CIGR ASABE 2006 3. Kitani. O Energy and Biomass Engineering Poljoprivredni fakultet, Novi 4, Brkić, M., Janić, T. Briketiranje i peletiranje biomase 2010 Sad Mitić, D., Stnović, Milena, Univerzitet u Nišu, Fakultet 2009 5 Biomasa za toplotnu energiju Protić, M zaštite na radu, Niš



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Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Table 5.2 Course specification

Course:			Mode	rn Scientifi	ic App	roaches in Prod	luct Life Cvcle	e Asses	sment	
Course	id:	ZSP18			ю, фр	(I CA)				
Number	of ECTS:	14	]			(20/1)				
Teacher	S:		Budak M.	Igor, Hadžistevi	ć J. Miodr	ag, Hodolič J. Janko, Kos	ec L. Borut			
Course	status:		Elective							
Number	of active teac	hing classe	es (weekly)	)						
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:	
	5	(	C	0		4		0		
Precond	lition courses			None		·				
1. Educa	1. Educational goal:									
Acquisit Enginee	Acquisition of knowledge about modern approaches to evaluating the products life cycle and their potential application in Environmental Engineering.									
2. Educa	2. Educational outcomes (acquired knowledge):									
Compet cycle as	Competence to solve scientific and technical research assignments and problems concerning the application of modern approaches in life cycle assessment of products.									
3. Cours	3. Course content/structure:									
Terms a methode Protectie	and definition blogy of life cy on, Developm	s for the e /cle asses: ent trends	evaluation sment (LC) of product	of the product I A, LCIA); Moder t life cycle asses	ife cycle ( n approad ssment (L0	(LCA); Modern principle ches in the use of LCA in CA).	s of product life cycl eco-design and labe	le assessme eling of Envir	ent (LCA), ronmental	
4. Teach	ning methods:									
The clas tasks w lectures execution encomp	esses are held ith application , consultation on of experin passing the th	in the form of mode s are regu nents and heme of F	n of interac rn ICT ar Ilarly held. statistica PhD thesis	ctive lectures. Le nd software syst Research work I data processi	ectures pro ems for th includes ng, nume	esent the theoretical part he purpose of gaining kr active monitoring of prir prical simulation, writing	of the teaching mate nowledge from the s mary scientific resour g of paper in the sp	erial, includin tudy area. A rces, organiz pecific scien	ng typical part from ation and tific field,	
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	tion obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points	
Term pa	per			Yes	50.00	Oral part of the exam		Yes	50.00	
					Liter	ature				
Ord.	A	uthor			Title	9	Publishe	er	Year	
1,	Hodolič, J., S Budak. I. i dr	stević, M.,	Up	vravljanje zaštitor enadžment	n životne	sredine - Eko	Fakultet tehničkih n Novom Sadu	auka u	2009	
2,	Budak, I., Ho M., Vukelić, <del>I</del> Karpe, B.	dolič, J., S D., Kosec,	tević, B., Oz	Označavanje proizvoda o zaštiti životne sredine Fakultet tehničkih nauka u Novom Sadu						
3,	-		ILC	CD Handbook: G	eneral gui	de for Life Cycle	European Commiss	sion Joint	2000	
4,	Hodolič, J., V Budak, I., Be J.	/ukelić, Đ., šić, I., Mur	ansky, Ek	odizajn i održivi i	razvoj u m	ašinskom inženjerstvu	Fakultet tehničkih n Novom Sadu	auka u	2009	



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

Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Table	5.2	Course	specification
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Course:										
Course id:	SID01	1	Doct	oral D	issertation (The	eoretical Base	es)			
Number of	ECTS: 30	1								
Teachers:	·									
Course sta	atus:	Mandatory	1							
Number of	active teaching class	es (weekly)								
Lect	tures: Practica	I classes:	Other teachi	ng types:	Study rese	arch work:	Other cl	asses:		
	0	0	0		20	0	0			
Preconditio	on courses	-	None							
1. Educatio	onal goal:									
The applic methods a Doctoral s	The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge, methods and contemporary knowledge from the magazines from the SCI list in order to solve concrete problems within the courses at Doctoral studies.									
2. Educatio	2. Educational outcomes (acquired knowledge):									
Enabling students to individually connect the contents from the courses at Doctoral studies, apply previously acquired as well as new knowledge for observing the structure of the set problems and its systematic analysis in order to elaborate conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge and utilizing new methods individually and creatively, they use new knowledge in solving the set problems.										
3. Course content/structure:										
It is formul solutions f	lated individually in a for a concrete task w al bases present a cla	ccordance w hich is defin assification e	vith further resea ed by setting the set	arch. Stud ne task or Students a	dents read scientific litera the side of the supervis are prepared to take the	ature, and perform ar sor and other lecture classification examir	nalyses in or rs at Doctor nation.	der to find al studies.		
4. Teachin	g methods:									
Student's within the s supervisor elaboratior needed, w certain me defence of examinatio	Student's co-supervisor sets the seminar paper task and delivers it to the student. The student has the obligation to elaborate the paper within the set theme defined by the paper task, utilizing the literature proposed by the co-supervisor. During the paper elaboration, the co-supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality paper. During the study research work, the student has tutorials with the co-supervisor and course lecturers, and if needed, with other lecturers dealing with the problems in the field of the set paper task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is necessary for the task. After the defence of the paper, the candidate has to pass the oral examination in the field of the passed examinations, in front of a committee. If the examination is									
			Knowledge e	evaluation	(maximum 100 points)		•	-		
Pre-examination obligations Mandatory Points Final exam Mandatory Po						Points				
Term pape	er		Yes	50.00	Oral part of the exam		Yes	50.00		
				Liter	ature					
Ord.	Author	¥	aniai an linta K-	Title	•	Publishe	er	Year		
1, g		cas	opisi sa liste Ko	disortacii	ie iz date problematike			sve		



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

Study Programme Accreditation - PhD Studies



Environmental Engineering



Table 5.2 Course specification

Course:												
Course id:	SID02		Doctoral Dissertation – Study and Research									
Number of ECTS:	30											
Teachers:												
Course status:		Mandato	ry									
Number of active teaching classes (weekly)												
Lectures:	Practical	classes:	Other teaching types:	Study research work:	Other classes:							
0	(	)	0	30	0							
Precondition courses	-		None	-								
1. Educational goal:												
and methods in solvi problem, its structure Researching the litera their solving. The ob complex problems an	ng concret and comp ature, stude jective of s nd tasks a	e problem lexity and ents are in students` a nd recogn	ns within the selected field. In I on the basis of the performe troduced to methods attended activity within this segment o nizing the possibility for apply	this segment of Doctoral dissertation, s ad analyses draw conclusions on possible for creative solving of new tasks and the of research is to acquire necessary expe ring previously acquired knowledge in pr	tudents investigate the e manner in its solving. engineering practice in rience through solving ractice.							
2. Educational outcon	nes (acquire	ed knowle	dge):									
Enabling students to i of the set problem an literature, students bri fields. Thus, students acquired knowledge t field, the demand for	Enabling students to individually apply previously acquired knowledge from diverse areas already studied in order to observe the structure of the set problem and its systematic analysis for drawing conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge from the selected field and they investigate diverse methods and papers related to the similar fields. Thus, students develop the competence to perform analyses and identify problems within the set theme. Practical application of the acquired knowledge from diverse areas develops in students the ability to overview the place and the role of engineers in the selected field the demand for cooperation with other professions and the team work											
3. Course content/stru	ucture:											
It is formulated individ read scientific literate solutions for a concr	lually in acc ure, Doctor ete task de	cordance v al dissert efined by	with the elaboration of the con tations by other students dea the task of the Doctoral diss	crete Doctoral dissertation, its complexity ling with similar theme; they perform ar ertation.	and structure. Students nalyses in order to find							
4. Teaching methods:												

The supervisor of the Doctoral dissertation sets the dissertation task and delivers it to the student. The student has the obligation to elaborate the dissertation within the set theme defined by the Doctoral dissertation task, utilizing the literature proposed by the supervisor. During the elaboration of the Doctoral dissertation, the supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality Doctoral dissertation. During the study research work, the student has tutorials with the supervisor, and if needed, with other lecturers dealing with the problems in the field of the set dissertation task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is predicted by the task of the Doctoral dissertation.

	Knowledge evaluation (maximum 100 points)											
	Pre-examination obligations		Mandatory	Points	Final exam		Mandatory	Points				
Term pa	aper		Yes	50.00	Oral part of the exam		Yes	50.00				
	Literature											
Ord.	Author		Title				er	Year				
1,	grupa autora	časopi	časopisi sa liste Kobson					sve				
2,	grupa autora	časop	si i doktorske	disertaci	je iz date problematike			sve				



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Study Programme Accreditation - PhD Studies



DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Table 5.2 Course specification

Course:										
Course	id:	SID03		Docto	ral Dis	sertation – Stud	dy and Resea	arch		
Number	of ECTS:	10								
Teache	rs:									
Course	status:		Mandatory							
Number	of active teac	hing classe	s (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:	
	0	0		0		10	)	0		
Precond	lition courses		-	None						
1. Educ	ational goal:			-						
and professional, and professional and applicative knowledge and methods in solving concrete problems within the selected field. In this segment of Doctoral dissertation, students investigate the problem, its structure and complexity and on the basis of the performed analyses draw conclusions on possible manner in its solving. Researching the literature, students are introduced to methods attended for creative solving of new tasks and the engineering practice in their solving. The objective of students' activity within this segment of previously acquired knowledge in practice.										
2. Educ	2. Educational outcomes (acquired knowledge):									
Enabling students to individually apply previously acquired knowledge from diverse areas already studied in order to observe the structure of the set problem and its systematic analysis for drawing conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge from the selected field and they investigate diverse methods and papers related to the similar fields. Thus, students develop the competence to perform analyses and identify problems within the set theme. Practical application of the acquired knowledge from diverse areas develops in students the ability to overview the place and the role of engineers in the selected field, the demand for cooperation with other professions and the team work.										
3. Cours	se content/stru	icture:								
It is forn read sc solution	nulated individ ientific literatu is for a concre	ually in acc ure, Doctora ete task de	ordance with al dissertation fined by the	n the elaboratio ons by other s a task of the D	on of the co students d loctoral di	oncrete Doctoral disserta ealing with similar then ssertation.	ation, its complexity a ne; they perform an	and structure. alyses in ord	Students ler to find	
4. Teac	hing methods:									
The sup elaborat During t literatur student task. Wi data pro	The supervisor of the Doctoral dissertation sets the dissertation task and delivers it to the student. The student has the obligation to elaborate the dissertation within the set theme defined by the Doctoral dissertation task, utilizing the literature proposed by the supervisor. During the elaboration of the Doctoral dissertation, the supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality Doctoral dissertation. During the study research work, the student has tutorials with the supervisor, and if needed, with other lecturers dealing with the problems in the field of the set dissertation task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is predicted by the task of the Doctoral dissertation.									
				Knowledge e	evaluation	(maximum 100 points)				
-	Pre-examina	tion obligat	ions	Mandatory	Points	Final ex	Final exam		Points	
Term pa	aper			Yes	50.00	Oral part of the exam		Yes	50.00	
					Litera	iture			X	
Urd.		luthor	¥	niai an liste K-I	l itle		Publish	er	Year	
1, 2	grupa autora		Caso časo	pisi sa liste Kol	usona disertacija	iz date problematike			sve	
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Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES



Table 5.2	Course	specification

Course:			Destaral Thesis – Dealization and Defense of Thesis					
Course id:	DZR03		Doctoral Thesis -	Realization and Defence	of Thesis			
Number of ECTS:	20							
Teachers:								
Course status:		Mandato	ry					
Number of active teac	hing classe	s (weekly	()					
Lectures:	Practical	classes:	Other teaching types:	Study research work:	Other classes:			
0	0		0	0	20			
Precondition courses	-		None					
1. Educational goal:								
<ul> <li>assigned theme of Doctoral dissertation. By writing the Doctoral dissertation, students gain experience in writing papers within which it is necessary to describe the problem, implement methods and procedures and obtained results, as well as to give new scientific contribution to the science development and to the application of the scientific research in practice. In addition, the objective of writing and defense of the Doctoral dissertation is to develop student skills for independent paper preparation in a suitable form for the purpose of public presentation, as well as to respond to comments and questions related to the given topic.</li> <li>2. Educational outcomes (acquired knowledge):</li> <li>Training students for a systematic approach in solving the given problems, carrying out analyses, applying knowledge and accepting knowledge from other areas in order to find creative solutions for a given problem. Through independent studying and solving tasks in a given topic, they acquire the knowledge about the complexity of the problems in the field of their profession. Through elaboration of Doctoral dissertation, students gain certain experiences that can be applied in practice when solving problems in the field of their</li> </ul>								
preparing the results	for public	defense,	by public defense, and by a	nswering questions and complaints of	f the Commission.			
3. Course content/stru	icture:							
It is individually former student makes the Do student prepares and prescribed rules and	d in accorda octoral disse d defends t procedure	ance with ertation in the writte s.	the needs and the field covere a written form in accordance n Doctoral dissertation in pu	d by a given Doctoral dissertation. In ag with the rules provided by the Faculty of olic, in agreement with the mentor and	reement with a mentor, a Technical Sciences. The d in accordance with the			
4. Teaching methods:								
During the elaboratio dealing within a sph Commission upon the public, and after the p	n of the D ere of the l approval o resentation	Doctoral d Doctoral d of the Con , the stud	lissertation, the student consi dissertation. The student write mission for assessment and o ent is obliged to orally answer	Its with his/her mentor, and if neces s the Dcotoral dissertation, and submits defense. The Defense of the Doctoral di- the questions and comments.	sary with other teachers s the bound copies to the ssertation is performed in			
			Knowledge evaluation (m	aximum 100 points)				

Knowledge evaluation (maximum 100 points)									
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points				
Writing the PhD thesis	Yes	50.00 PhD thesis defence		Yes	50.00				



Standard 06. Programme Quality, Contemporaneity and International Compliance

The PhD programme in Environmental Engineering at the Faculty of Technical Sciences in Novi Sad is a unique compilation entity composed of similar engineering and technical studies of environmental protection. About 80% of the faculties in environmental engineering area from different universities educate candidates at their respective engineering and technical disciplines, and only after the third year there is an Environmental Engineering sub-major.

The Faculty of Technical Sciences has defined its undergraduate academic and integrated doctoral studies as independent, unit study programmes. To render similar academic programs in order to harmonize and achieve compliance of plans and programmes, the mobility of students and a number of related points, according to the Bologna recommendations declaration, there is certain in homogeneity and heterogeneity, which is due to primary concepts which are defined by doctoral studies on Environmental Engineering.

Programmes related to Environmental Engineering within the expanded scientific research disciplines:

The Norwegian University of Science and Technology (NTNU) in Trondheim Faculty of Engineering Science and Technology (IVT) PhD Hydraulic and Environmental Engineering http://www.ntnu.no/studies/hydraulic-environmental-engineering/phd

Clemson University, USA Department of Environmental Engineering Sciences The Sustainable Systems and Environmental Assessment http://www.ces.clemson.edu/ees/sustainable.htm

University of Southern California, USA Civil and Environmental Engineering Department Ph.D. Programs in Environmental Engineering http://www.usc.edu/dept/civil\_eng/dept/admission/graduate/phd-programs/

New Jersey's Science & Technology University, USA Department of Civil and Environmental Engineering Doctor of Philosophy in Environmental Engineering http://catalog.njit.edu/graduate/programs/environmentaleng.

are harmonized almost 70%. The remaining 30%, in accordance with the legal recommendations, are characterized by specific differentiation, tailored to location and position of Serbia, the development of education system, the transition process and the overall higher education and socially planned policy.





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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Standard 07. Student Enrollment

The Faculty of Technical Sciences, in accordance with social needs and its infrastructural resources, enables the enrollment of a number of students in environmental engineering PhD studies through the budget financing and self-study each year, which is defined by a special decision of Scientific Educational Council of the Faculty of Technical Sciences. Enrollment of students in doctoral studies is administered by Enrollment Commission. It consists of the Head of the Faculty of Technical Sciences and Managers of doctoral studies within the Faculty of Doctoral Sciences.

A person who has met the following requirements may be enrolled in the first year of studies:

· completion of an appropriate undergraduate and graduate academic studies with at least 300 ECTS credits and grade point average of at least 8.00 in undergraduate and graduate academic studies-master, or an equivalent mark from other grading systems or if one belongs to 20% of the best students of his generation, or

 academic title of Master of Science in appropriate scientific field and, if not earned the degree of Doctor of Science under the previously applicable legislation within the time prescribed by law.

• a person who has completed his studies under the regulations before the Law on Higher Education may enroll Doctoral studies under the same conditions as the person who has a degree completion of postgraduate academic master studies, provided that this diploma is equivalent to a Diploma with at least 300 ECTS, which is proved by the decision on the recognized equivalence.

The appropriate graduate academic master study and the scientific field are determined for each study program in particular. In particular, an entry may be granted to other candidates after passing differential exams. The decision on taking the differential examination is made by the Commission for entering a study program. On the basis of grade point average and length of studies, published scientific and professional papers, the Commission for entry establishes a ranking list of candidates. Commission for registration may make additional checks of knowledge for the candidates through the qualification exam. In addition, applicants are required to possess knowledge of world languages and an adequate knowledge of information skills. The students of master of sciences study programmes or students with master of sciences degree obtained according to previously existing legal regulations, are entitled to recognition of passed exams or partial recognition, by the amendment, which is done by the Commission for registration, provided that the candidate has not spent more than 4 (four) years at postgraduate studies. After entering the Faculty, the student and the Faculty make a contract on the rights and obligations during study.



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies

**Environmental Engineering** 

DOCTORAL ACADEMIC STUDIES

Standard 08. Student Evaluation and Progress

The final grade for each of the courses of this programme is formed by continuous monitoring of the students` work and the results during the school year and the final exam.

The student masters the programme by taking exams, earning thereby a certain number of ECTS credits, in accordance with the study programme. Each individual course in this programme carries a certain number of ECTS credits earned by the student when successfully passing the exam.

The number of ECTS credits is identified based on the student's workload in mastering a particular course and by applying a uniform methodology of the Faculty of Technical Sciences for all study programs. The success of students in mastering a particular course is continuously monitored during the class and is expressed in credits. The maximum number of credits a student can earn on the course is 100.

The student earns credits on the course by working during the classes, and by satisfying pre-exam requirements. The minimum and maximum number of credits a student can achieve by satisfying pre-exam requirements is 30 and 70, respectively.

Each course from the curriculum has a clear and published way of earning credits. The way of earning credits during the classes includes a number of credits that students earn from each individual type of activity in the classroom or by satisfying pre-exam requirements.

The total success of the student on the course is expressed by grades from 5 (failed) to 10 (excellent). The student's grade is based on the total number of credits earned by satisfying the pre-exam requirements and on the quality of acquired knowledge and skills.

Studying the degree program is realized as follows:

At the enrollment, the Head of the study programme (study group) appoints each student a mentor from among professors who will lead them until a mentor is choosen.

At the end of the semester, the co-mentor submits a report to the Head of the study (group) on student's work during the research and his results.

Requirements for enrolling the second year of the study (third semester) is defined by Regulation.

The right to take the qualifying exam for the preparation and defense of the doctoral dissertation (research work on theoretical bases of doctoral dissertation) is gained by the student who has certified the second year of study and passed all the exams foreseen by the study programme.

Students who do not meet the requirement for taking the exam from the theoretical basis of the doctoral dissertation have the possibility to continue their studies at specialist academic studies with the exams being recognized.

Research work on the theoretical bases of the doctoral dissertation is a qualifying exam for the doctoral dissertation. Theoretical bases are taken as an exam (written and / or oral) by fields (questions) from at least three courses of the study program. The list of fields (questions) from which the qualifying exam is taken is submitted to the candidate by the Head of the doctoral study program within 14 days upon the request. The qualifying exam is taken before a committee of at least three members, appointed by the Manager of doctoral studies upon the proposal submitted by the Committee for quality of the study programme. Upon the request of students, the theoretical bases of doctoral dissertation can be taken not earlier than 30 days and not later than 12 months from taking the final exam.

Examinations for doctoral studies can be taken up to three times.

The final part of doctoral studies is the preparation and defense of the doctoral thesis.

Exams for doctoral studies can be taken up to three times.

The final part of doctoral studies is the creation and defense of a thesis.



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies



DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Standard 09. Teaching Staff

For the realization of the study programme of Environmental Engineering, there is a teaching staff with necessary professional and scientific qualifications, verified by the list of scientific papers and data on participation in national and international scientific and research projects. At least half of teachers participate in scientific and research projects. Teachers' competence is determined on the basis of scientific papers published in international magazines, where at least one paper has been published or accepted to be published in a magazine from the SCI list; scientific papers published in national magazines; papers published in proceedings from international scientific conferences; monographs; patents; textbooks; new products or significant improvements on the existing products.

The supervisor has at least five scientific papers published or accepted to be published in scientific magazines on the given field. It has been established that a supervisor cannot lead more than five Doctoral dissertation candidates simultaneously. The selection of a supervisor is determined in such a manner that each supervisor ought to have at least five papers published in the magazines from the SCI list.

The number of teachers coincides with the demands of the study programme and depends on the number of courses they lecture and the number of classes at these courses. The total number of teachers is sufficient to cover the total number of classes on the study programme, so each teacher has an average of 180 active classes (lectures, tutorials, practice classes, field classes) per year, i.e. 6 classes per week. Out of the total number of necessary teachers, all 100% are full time employed. A minimal number of teachers participating in the given study programme with full time employment is five.

Scientific and professional qualifications of the teaching staff relate to the educational and scientific field and the level of their participation. Each teacher has at least 10 references from the narrow scientific or professional field in which they lecture on the study programme.

No teacher has more than 12 classes per week. All data on teachers and assistants (CV, selections, and references) are available to the public.



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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:				Brunner H. Paul						
Acad	lemic title:					Guest Professor				
Nam	e of the inst	titution v	vhere the te	acher works full tir	ne and	-				
starting date:										
Scier	ntific or art f	ield:				Environment	Protection E	ngine	ering	
Acad	lemic cariee	er	Year	Institution				Field	ł	
Acad	lemic title e	lection:	2009					Envi	ronment Protection Enginee	ring
PhD	thesis		1982	University of Gra	z - Gra	Z		Geo	science	
Bach	elor's thesis	S	1900					Geo	science	
Magi	ster thesis		1900					Geo	science	
List c	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	s			
	ID	Course	e name				Study pro	gram	me name, study type	
1.	Z509	TP pos aspekt	strojenja sa ta(uneti naz	energetskog, ekor iv na engleskom)	nomsko	og i ekološkog	(Z20) Envii	Z20) Environmental Engineering, Master Academic Studies		
2.	SZDI23	DI23 Material Flow Analysis in Urban Systems				( Z00) Environmental Engineering, Specialised Academic Studies				
3.	ZDI23	Materi	al Flow Ana	Ilysis in Urban Sys	tems		( Z00) Environmental Engineering, Doctoral Academic Studies			
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)					
1.	Future la Waste M David La	ndfill err anagem ner, Joh	nissions and lent; Volum lann Fellner	I the effect of final e 31, Issue 7, July r, Paul H. Brunner	cover ii 2011, I	nstallation – A c Pages 1522–15	case study 31			
2.	Modeling Issue 11,	of leach Novem	hate genera ber 2010, F	ition from MSW lar Pages 2084–2095;	ndfills b Johanr	y a 2-dimension n Fellner, Paul I	nal 2-domaii H. Brunner	n app	roach; Waste Management,	Volume 30,
3.	Materials	Flow A	nalysis: Vis	ion and Reality; Jo	urnal o	f Industrial Eco	logy Volume	e 5, N	umber 2, Pages 3-5; Paul H.	Brunner
4.	Beyond N	Aaterials	s Flow Anal	ysis, Journal of Ind	ustrial	Ecology Volum	e 6, Numbe	r 1, P	ages 8-10, Paul H. Brunner	
5.	Materials	Flow A	nalysis and	the Ultimate Sink,	Journa	al of Industrial E	cology Volu	ime 8	, Number 3, Pages 4-7, Paul	H. Brunner
6.	Paul H. E 16, Numb	Brunner: Der 3: 29	Substance 93-295	Flow Analysis: A k	Кеу Тоо	ol for Effective F	Resource M	anage	ement, Journal of Industrial E	Ecology Volume
7.	Paul H. E	Brunner:	Reshaping	Urban Metabolism	n, Jourr	nal of Industrial	Ecology Vo	lume	11, Number 2: 11-13	
Summary data for teacher's scientific or art and professional activity:										
Quotation total : 0				0						
Total	of SCI(SS	CI) list p	apers :		0		1			
Current projects : Dome				estic :	1		International :	2		



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	e and last n	ame:				Schulze Lamers H. Peter				
Acad	emic title:					Guest Profes	sor			
Nam starti	e of the inst ng date:	itution v	where the te	acher works full tin	ne and	-				
Scier	ntific or art f	ield:				Biosystems Engineering				
Acad	emic cariee	er	Year	Institution				Field	t	
Academic title election: 2009						Bios	systems Engineering			
PhD	thesis		2004	Essex university -	- Nepoz	znato		Bios	systems Engineering	
Bach	elor's thesis	6	1980	Essex university -	- Nepoz	znato		Mec	hanical Engineering	
Magi	ster thesis		1900					Bios	systems Engineering	
List c	of courses b	eing hel	d by the tea	acher in the accred	ited stu	udy programme	s			
	ID	Course	e name				Study pro	ogrami	me name, study type	
1.	SZSP14	Conter	mporary ap	proach to the biosy	stems	engineering	( Z00) Envi Studies	ironm	ental Engineering, Specialis	ed Academic
2.	SZSP16	Engine	ering of rer	newable enery sour	rces in	agriculture	( Z00) Envi Studies	ironm	ental Engineering, Specialis	ed Academic
3.	ZSP14	Conter Biosys	mporary Ap tems	proaches to Sustai	nable E	Engineering	( Z00) Envi Studies	ironm	ental Engineering, Doctoral	Academic
4.	4. ZSP16 Engineering of Renewable Energy in Agricu			Agricu	ılture	<ul> <li>( OM1) Mathematics in Engineering, Doctoral Academic Studies</li> <li>( Z00) Environmental Engineering, Doctoral Academic Studies</li> </ul>				
Rep	oresentative	reffere	nces (minin	num 5, not more tha	an 10)					
1.	Sun, Y., S	Schulze & Actuat	Lammers,	P. Ma, D., Lin, J., Z	Zeng, Q	0. (2008) Deterr	mining soil p	ohysic	al properties by multi-sensor	technique.
2.	Konstanti	novic, N	I., Wöckel, ne ASABE	S., Schulze Lamme 51(2): 753-773	ers, P.,	Sachs, J.(200	8) UWB Rad	dar Sy	vstem for Yield Monitoring of	Sugar Beet.
3.	Haas, T., a chemos	Schulze sensor s	e Lammers	, P., Diekmann, B., Isors & Actuators, E	Horner 3 Chem	r, G. and Boeke	er, P. (2008) -550	) A me	ethod for online measuremen	nt of odour with
4.	Sun, Y., I Tillage Re	_in. J., Z esearch	eng, Q., a. 92. p 264-2	P. Schulze Lamme	ers (200	06) Determinati	on of penet	ration	force using a Hall-current se	ensor. Soil
5.	Sun, Y., I field. J. P	in. J., S lant Nut	chulze Lan r. Soil Sci.	nmers, P. a. L. Dan 169 (5), p 630-632	nerow ( /	(2006) Estimati	ng surface p	porosi	ty by roughness measureme	ent in a silt-loam
6.	Sun, Y., I mechanic	Ma, D., S al resist	Schulze Lar tance by a	mmers, P., Schmitt	mann, al pene	O. a. M. Rose trometer. Soil &	(2005) On-tl & Tillage Re	he-go searc	-measurement of soil water of h 86, p 209-217	content and
7.	Sun, Y., S	Schulze on resist	Lammers, ance and s	P. a. D. Ma (2004) oil water content. J	Evalua I. Plant	ition of a combi Nutr. Soil Sci.	ned penetro 2004, 167, j	omete p 1-7	r for simultaneous measurer	nent of
8.	Hamache	er, T., Ni with a (	eß, J., Boe QMB senso	ker, P., Schulze La r system with integ	mmers rated p	, P. a. B. Diekn reconcentratio	nann (2003) n unit. Sens	) Onlir ors ar	ne odour measurement close nd Actuators B95, ELSEVIEF	e to the odour R, p 39-45
9.	Schulze I ELSEVIE	ammer R, p 120	s, P. a. J. S 6-127	Strätz (2003) Progre	ess in s	oil tare separat	tion in sugar	r beet	harvest. J. Plant Nutr. Soil S	Sci. 166,
10.	<ul> <li>Schramm, U., Meinhold, D., Winter, S., Heil, C., Müller-Albrecht, J., Wächter, L., Hoff, H., Roesky, C., Rechenbach, T., Boeker, F.</li> <li>Schulze Lammers, P., Weber, E. a. J. Bargon (2000) A QMB-based temperature-modulated ammonia sensor for humid air. Sensors and Actuators B67, ELSEVIER, p 219-226</li> </ul>					n, T., Boeker, P., numid air.				
Sur	nmary data	for teac	her's scient	tific or art and profe	essiona	l activity:				
Quot	ation total :									
Total	of SCI(SS	CI) list p	apers :							
Current projects : Domes				estic :			International :			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Adžić Z. Nevenka			
Academic title:			Full Professor					
Nam	e of the inst	itution w	here the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:			15.09.1978					
Scier	ntific or art f	ield:			Mathematics			
Acad	emic caries	er	Year	Institution			Field	
Acad	emic title el	ection:	2002	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics	
PhD	thesis		1990	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Magi	ster thesis		1986	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesis	S	1976	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List o	of courses b	eing hel	d by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E121	Mather	matical Ana	lysis 2		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
2	E221A	Mather	matical Ana	lucie 2		( E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
۷.	LZZIA	maurer		11yoid 2		( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
3.	GG10	Mather	matical Met	hods 3		(G00) Civi	I Engineering, Undergraduate Academic Studies	
						(M20)Mee Undergrad	chanization and Construction Engineering, uate Academic Studies	
4	M106	Mathematics 2				(M30) Energy and Process Engineering, Undergraduate Academic Studies		
4.						( M40) Tec Undergrad	hnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
5	S017	Matho	matics 2			( S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
J.	5017	walle				( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
6	S0213	Mathe	matical Stat	istics		( S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
0.	50215	maule	natioal old	10100		( S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
					( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
7.	Z104	Mathematics 1				( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
8.	BMI91	Mather	matics 1			( BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.	BMI92	Mather	matics 2			( BM0) Bio Studies	medical Engineering, Undergraduate Academic	
10.	E101A	Discret	te Mathema	atics		( E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(110) Indus Studies	strial Engineering, Undergraduate Academic	
11.	IM1012	2 Probability and Statistics		atistics		( I20) Engi Studies	( I20) Engineering Management, Undergraduate Academic Studies	
						( P00) Production Engineering, Undergraduate Academic Studies		

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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies



DOCTORAL ACADEMIC STUDIES

List of courses bei	ng held by the teacher in the accredited study programmes

	ID	Course name	Study programme name, study type			
			(M30) Energy and Process Engineering, Undergraduate			
12.	IM1523	Discrete Mathematics	(I20) Engineering Management, Undergraduate Academic			
			Studies			
13.	P216	Numerical Analysis         ( P00) Production Engineering, Undergraduate Aca           Studies         Studies				
14.	0M517	Numerical Analysis         ( OM1) Mathematics in Engineering, Master Academic           Studies				
15.	0ML517	Numerical Analysis	( OM1) Mathematics in Engineering, Master Academic Studies			
			(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies			
10	D704M0	Only the di Ohanshara in Mathematica	(112) Industrial Engineering, Specialised Academic Studies			
16.	DZ01MS	Selected Chapters in Mathematics	(122) Engineering Management, Specialised Academic Studies			
			( Z00) Environmental Engineering, Specialised Academic Studies			
17.	D0M24	Numerical Solutions of Differential Equations	( 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			
18.	DZ01M	Selected Chapters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies			
			(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies			
			( M00) Mechanical Engineering, Doctoral Academic Studies			
			(M40) Technical Mechanics, Doctoral Academic Studies			
			( OM1) Mathematics in Engineering, Doctoral Academic Studies			
			(S00) Traffic Engineering, Doctoral Academic Studies			
			( Z00) Environmental Engineering, Doctoral Academic Studies			
			(Z01) Safety at Work, Doctoral Academic Studies			
19.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more than 10)				
1.	N. Adzic,	On the spectral solution for boundary value problem, ZAMM	И 70,(1990) 6, T647-T649.			
2.	V. Vrcelj, mathema	N. Adzic, Z. Uzelac: A numerical asymptotic solution for sin tics, Vol.39, (1991) 229-238.	gular perturbation problems, International journal of computer			
3.	N. Adzic: mathema	Modified hermite polynomials in the spectral approximation tical society, Vol.45, (1992) 267-276.<\eng>	for boundary layer problems, Bulletin of the Australian			
4.	<ol> <li>N. Adzic: Spectral approximation for single turing point problem, ZAMM72(1992)6, T621-T624.</li> </ol>					
5.	N. Adzic:	Nonclassical orthogonal polynomials and singularly perturb	ed problems, ZAMM73(1993) 7/8, T868-T871.			
6.	N. Adzic:	Spectral approximation and asymptotic behaviour of bound	ary layer problems, ZAMM74(1994)6, T-553-T555.			
7.	N. Adzic, (1998), S	Z. Uzelac: A combination of spline and spectral approximat 853-S854	ion for a class of singularly perturbed problems, ZAMM78			
8.	Z. Uzelad	, N. Adzic: The Approximate Solution for Problems with Nor	nlocal Boundary Conditions, ZAMM79 (1999), S881-S882			
9.	N. Adzic, S852	Z. Uzelac: On spectral approximation for some two-dimens	ional singularly perturbed problems, ZAMM79 (1999), S851-			
10.	N. Adzic:	On the spectral approximation for singularly perturbed prob	lems,ZAMM 71(1991)6,T773-T776.			

# UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Environmental Engineering Summary data for teacher's scientific or art and professional activity: Quotation total : 5 Total of SCI(SSCI) list papers : 10

2

International :

0

Domestic :

Current projects



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Atanacković M. Teodor				
Academic title:			Full Professor						
Name of the institution where the teacher works full time and			acher works full time and	Faculty of Technical Sciences - Novi Sad					
starti	ng date:				18.03.1975				
Scier	ntific or art f	ield:			Deformable Body Mechanics				
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic title el	ection:	1988	Faculty of Technical Sci	ences - Novi Sa	ad	Deformable Body Mechanics		
PhD	thesis		1974	Faculty of Technical Science	ences - Novi Sa	ad	Deformable Body Mechanics		
Magi	ster thesis		1973	Faculty of Technical Science	ences - Novi Sa	ad	Deformable Body Mechanics		
Bach	elor's thesis	S	1969	Faculty of Technical Sci	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics		
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.	A237	Materia	al Resistan	ce		(A00) Arch	nitecture, Undergraduate Academic Studies		
2.	H202	Streng	th of materi	als		( H00) Med	chatronics, Undergraduate Academic Studies		
						(A00) Arch	nitecture, Specialised Academic Studies		
						( E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
_	A0000	Scientific Research Method				( GI0) Geo Studies	desy and Geomatics, Specialised Academic		
3.	A002S					(I12) Industrial Engineering, Specialised Academic S			
						(122) Engineering Management, Specialised Academic Studies			
						( Z00) Env Studies	ironmental Engineering, Specialised Academic		
		Selected Chapters in Mechanics				( E20) Con Academic	nputing and Control Engineering, Doctoral Studies		
4.	DAU003				( H00) Me		) Mechatronics, Doctoral Academic Studies		
						( OM1) Mathematics in Engineering, Doctoral Academic Studies			
						( A00) Architecture, Doctoral Academic Studies			
						(AS0) Scenic Design, Doctoral Academic Studies			
					(E10) Power, Electronic and Telecommunica Engineering, Doctoral Academic Studies		ver, Electronic and Telecommunication g, Doctoral Academic Studies		
					( E20) Computing and Control Engineering, Doctoral Academic Studies				
					( F00) Graphic Engineering Studies		phic Engineering and Design, Doctoral Academic		
						( F20) Eng	ineering Animation, Doctoral Academic Studies		
						(G00) Civi	l Engineering, Doctoral Academic Studies		
5	D7001	Scienti	ific Researc	h Method		( GI0) Geo	desy and Geomatics, Doctoral Academic Studies		
5.	52001	ocient	ine i vesealt			( H00) Med	chatronics, Doctoral Academic Studies		
						( I20) Indus Doctoral A	strial Engineering / Engineering Management, cademic Studies		
						( M00) Me	chanical Engineering, Doctoral Academic Studies		
						( M40) Tec	hnical Mechanics, Doctoral Academic Studies		
						( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
						( S00) Traffic Engineering, Doctoral Academic Studies			
						( Z00) Env Studies	ironmental Engineering, Doctoral Academic		
						(Z01) Safe	ety at Work, Doctoral Academic Studies		

a	TAS STU		UNIVERSITY OF NOVI SAD							
A.S.	NULL DO NOR	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI S	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	SHIT				
D'IL		Study Program	me Accredita	ation - Ph[	D Studies	Cont of the				
.01	LANTER	DOCTORAL ACADEMIC STUDIE	DOCTORAL ACADEMIC STUDIES Environmental Engineering							
List of courses being held by the teacher in the accredited study programmes										
	ID	Course name	study programme name, study type							
				( E10) Power, El Engineering, Do	ectronic and Telecommunic ctoral Academic Studies	cation				
				( 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 Academi	c Studies				
6	SID04	Current State in the Field		(GI0) Geodesy a	and Geomatics, Doctoral A	cademic Studies				
	0.201			(H00) Mechatronics, Doctoral Academic Studies						
				(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies						
				(M00) Mechanic	cal Engineering, Doctoral A	cademic Studies				
				( OM1) Mathema Studies	atics in Engineering, Doctor	al Academic				
				(S00) Traffic En	gineering, Doctoral Acader	nic Studies				
				(Z00) Environm Studies	ental Engineering, Doctoral	Academic				
				(A00) Architectu	ire, Doctoral Academic Stu	dies				
7.	SID04	Present State in the Field		(AS0) Scenic Design, Doctoral Academic Studies						
				(Z01) Safety at	Work, Doctoral Academic S	Studies				
Rep	presentative	refferences (minimum 5, not more th	an 10)							
1.	T. M. Ata	nackovic, Stability Theory of Elastic R	ods. World Scientific,	1997.						
2.	T. M. Ata	nackovic, A. Guran, Theory of Elastic	ity for Scientists and E	ngineers. Birkhau	ıser, 2000					
3.	B. D Vuja Boston 20	novic, T. M. Atanackovic, An Introduc 004	tion to Modern Variatio	onal Techniques i	n Mechanics and Engineer	ing. Birkhauser,				
4.	T.M. Atar	nackovic, Stability of a Compressible I	Elastic Rod with Imper	fections. Acta Me	chanica. 76, 203?222 (198	9)				
5.	T.M. Atar 80 (1989)	nackovic and M. Achenbach, Moment	-curvature relations for	a pseudoplastic	beam. Continuum Mech. Th	nermodyn. 1, 73-				
6.	T.M. Atar	ackovic and I. Müller, A New form of	ther Coherency Energ	y in Pseudoelasti	city. Meccanica, 30, 467-47	<b>'</b> 4 (1995).				
7.	T. M. Ata	nackovic, Optimal shape of column w	ith own weight: bi and	single modal opti	mization. Meccanica 41, 1	73-196 (2006).				
	T. M. Ata	nackovic, S. Pilipovic, D. Zorica. Diffu	sion wave equation wi	th two fractional of	derivatives of different order	. J. Phys. A:				
δ.	Math. The	eor. 40, 5319-5333 (2007).	•			-				
9.	T. M. Ata – 405 (20	nackovic, Optimal shape of an elastic 07).	rod in flexural – torsio	nal buckling. Z. A	ngew. Math. Mech.( ZAMM	) 87, No. 6, 399				
10.	T. M. Ata A/Solids,	nackovic and B. N. Novakovic, Optim 25, 154-165 (2006).	al Shape of an elastic	column on elastic	foundation. European J. M	lechanics,				
Sur	mmary data	for teacher's scientific or art and profe	essional activity:							
Quot	tation total :		220							
Tota	l of SCI(SSC	CI) list papers :	120							
Curre	ent projects	:	Domestic :	1	International :	0				



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

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

4	AS STUR	UNIVERSITY OF NO	UNIVERSITY OF NOVI SAD							
ANN A	NULL OF	FACULTY OF TECHNICAL SCIENCES 21000 NOVI	SAD, TRG DOSITEJA OBRADOVIĆA 6							
2200005		Study Programme Accreditation - PhD Studies								
(O)	LANTENS	DOCTORAL ACADEMIC STUDIES Environmental Engineering								
List o	of courses b	eing held by the teacher in the accredited study programme	25							
	ID	Course name	Study programme name, study type							
21.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies							
22.	PP103	Measurement and tools in precision engineering	(PM0) Production Engineering, Master Academic Studies							
23.	SM3	Software support for reverse engineering and CAQ	(PM0) Production Engineering, Master Academic Studies							
24.	SZSP18	Contemporary scientific approaches in life cycle assessment of products (LCA)	( Z00) Environmental Engineering, Specialised Academic Studies							
25.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	( M00) Mechanical Engineering, Doctoral Academic Studies							
26.	DP001	Design and Research Methods in Production	( M00) Mechanical Engineering, Doctoral Academic Studies							
27.	DP006	State and development trends of metrology, quality and fixtures	(M00) Mechanical Engineering, Doctoral Academic Studies							
28.	DP013	Ecological Engineering Aspects	( M00) Mechanical Engineering, Doctoral Academic Studies							
29.	DP019	Selected topics in technical diagnosis	( M00) Mechanical Engineering, Doctoral Academic Studies							
30.	ZDH1	Modern Methods of Eco-design	( Z00) Environmental Engineering, Doctoral Academic Studies							
31.	ZSP18	Modern Scientific Approaches in Product Life Cycle Assessment (LCA)	( Z00) Environmental Engineering, Doctoral Academic Studies							
Rep	oresentative	e refferences (minimum 5, not more than 10)								
1.	Budak I., Sensors,	Vukelić Đ., Bračun D., Hodolič J., Soković M.: Pre-Process Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8	ing of Point-Data from Contact and Optical 3D Digitization 220							
2.	Tadić B., shaped e 2234-759	Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., lements, International Journal of Precision Engineering and 03	Budak I.: Efficient workpiece clamping by indenting cone- Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN							
3.	Kosec G. Analysis,	, Nagode A., Budak I., Antić A., Kosec B.: Failure of the pir 2011, Vol. 18, pp. 450-454, ISSN 1350-6307	ion from the drive of a cement mill, Engineering Failure							
4.	Budak I., based de	Soković M., Barišić B.: Accuracy improvement of point dat cision-making, MEASUREMENT, 2011, Vol. 44, No 6, pp. 1	a reduction with sampling-based methods by Fuzzy logic- 188-1200, ISSN 0263-2241							
5.	Budak I., Journal o	Hodolič J., Soković M.: Development of a programme syst f Materials Processing Technology, 2005, Vol. 162, pp. 730	em for data-point pre-processing in Reverse Engineering, -735, ISSN 0924-0136							
6.	<ul> <li>Jevremović D., Puškar T., Budak I., Vukelić Đ., Kojić V., Eggbeer D., Williams R.: An RE/RM approach to the design and manufacture of removable partial dentures with a biocompatibility analysis of the F75 Co-Cr SLM alloy, Materijali in tehnologije, 2012, Vol. 46, No 2, pp. 123-129, ISSN 1580-2949</li> </ul>									
7.	7. Trifković B., Budak I., Todorović A., Hodolič J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871									
8.	Agarski E motor vel 3651	B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodo hicles' environmental performances, Tehnički vjesnik/Techn	lič J.: Application of multi-criteria assessment in evaluation of ical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330-							
	Vukelić Đ., Miljanić D., Ranđelović S., Budak I., Džunić D., Erić M., Pantić M.: Burnishing process based on optimal depth of									

 9.
 Vukelić Đ., Miljanić D., Ranđelović S., Budak I., Džunić D., Erić M., Pantić M.: Burnishing process based on optimal depth of workpiece penetration (Article in press, date of acceptance 28.08.2012, Manuscript Number: MIT-45-2012), Materijali in tehnologije, 2012, ISSN 1580-2949

 10.
 Vukelić Đ., Tadić B., Miljanić D., Budak I., Todorović P., Ranđelović S., Jeremić B.: Novel workpiece clamping method for increased machining performance, Tehnički vjesnik-Technical Gazette, 2012, Vol. 19, No 4, pp. 837-846, ISSN 1330-3651.

 Summary data for teacher's scientific or art and professional activity:
 25

Quotation total :	25			
Total of SCI(SSCI) list papers :	20			
Current projects :	Domestic :	4	International :	7



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name: Budinski-Pe					tković M. Ljuba			
Acad	emic title:				Full Professor	or		
Name of the institution where the teacher works full time and Faculty o				acher works full time and	Faculty of Teo	echnical Sciences - Novi Sad		
starti	ng date:				01.10.1989	1989		
Acad		ielu. r	Vear	Institution	Physics		Field	
Acad		ection:	2009				Physics	
PhD	thesis	ection.	1998	Faculty of Sciences - No	vi Sad		Physics	
Magi	ster thesis		1996	Faculty of Physics - Beo	grad		Physics	
Bach	elor's thesis	3	1988	Faculty of Sciences - No	ovi Sad		Physics	
List c	of courses b	eing he	d by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E215	Physic	s			(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						( F10) Eng Studies	ineering Animation, Undergraduate Academic	
2.	H101	Physics				( GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
						(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		
		Z01FS Selected Chapters in Physics				(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies		
_	D704F0					( I12) Indus	strial Engineering, Specialised Academic Studies	
э.	D2011 3					( I22) Engii Studies	neering Management, Specialised Academic	
						( 200) Environmental Engineering, Specialised Academic Studies		
						( E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
						( F00) Gra Studies	phic Engineering and Design, Doctoral Academic	
						(G00) Civil Engineering, Doctoral Academic Studies		
						(GI0) Geodesy and Geomatics, Doctoral Academic Studie		
						( H00) Mec	chatronics, Doctoral Academic Studies	
6.	DZ01F	Selected Chapters in Physics			( I20) Industrial Engine Doctoral Academic Stu		strial Engineering / Engineering Management, cademic Studies	
						( M00) Med	chanical Engineering, Doctoral Academic Studies	
						( M40) Tec	hnical Mechanics, Doctoral Academic Studies	
						( OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
						(S00) Traf	fic Engineering, Doctoral Academic Studies	
						(Z00) Envi	ironmental Engineering, Doctoral Academic	
						( Z01) Safety at Work. Doctoral Academic Studies		
Rep	presentative	reffere	nces (minim	num 5, not more than 10)				
1.	Budinski- obiects of	Petkovio n a trian	ć Lj., Lonča gular lattice	rević I., Petkovic M., Jaks e, Physical Review E. 2012	ic Z., Vrhovac S 2, Vol. 85. No C	S.: Percolat )61117. pp	ion in random sequential adsorption of extended 1-8	
2.	Šćepanov with cons	vić J., Lo trained	ončarević I. movements	, Budinski-Petković Lj., Ja s on a triangular lattice, Ph	kšić Z., Vrhova iysical Review	c S.: Relax E, 2011, Vo	ation properties in a diffusive model of k-mers I. 84, No 031109, pp. 1-13	
3.	Budinski- adsorptio	Petkovi n of exte	ć Lj., Lonča ended obje	rević I., Jakšić Z., Vrhovac cts on a triangular lattice, I	c S., Švrakić N. Physical Revie	Simulation	n study of anisotropic random sequential /ol. 84, No 5, pp. 5160-1	

4	TAS STUR		UNIVERSITY OF NO	VI SAD		HAKHX H			
AN A	NULL STOR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
20.76		Study Programme Accreditation - PhD Studies							
.0	LANTEN	DOCTORAL ACADEMIC STUDIE	S	En	vironmental Engineering	HOS			
Re	presentative r	efferences (minimum 5, not more th	an 10)						
4.	Lončarević a one-dime	I., Budinski-Petković Lj., Vrhovac S nsional lattice, Journal of Statistical	., Belić A.: Generalize Mechanics: Theory ar	d random sequer nd Experiment, 20	ntial adsorption of polydispe 010, ISSN 1742-5468	rse mixtures on			
5.	Lončarević lattice, Phy	I., Budinski-Petković Lj., Vrhovac L sical Review E, 2009, Vol. 80, No 2	j., Belić A.: Adsorptior	, desorption, and	l diffusion of k-mers on a on	e-dimensional			
6.	Budinski-Pe Physical Re	etković Lj., Vrhovac S., Lončarević I eview E, 2008, Vol. 78, No 061603,	.: Random sequenti pp. 1-7	al adsorption of p	oolydisperse mixtures on dis	crete substrates,			
7.	Lončarević lattice , Th	I., Budinski-Petković Lj., Vrhovac S e European Physical Journal E, 200	.: Simulation study of 07, Vol. 24, pp. 19-26,	random sequenti ISSN 1292-8941	al adsorption of mixtures on	a triangular			
8.	Lončarević Physical Re	I., Budinski-Petković Lj., Vrhovac S eview E, 2007, Vol. 76, No 031104,	.: Reversible random pp. 1-9	sequential adsorp	ption of mixtures on a triang	ular lattice,			
9.	Arsenović [ vertical tap	., Vrhovac S., Jakšić Z., Budinski-F bing, Physical Review E, 2006, Vol.	Petković Lj., Belić A.: S 74	imulation study o	f granular compaction dyna	mics under			
10.	Lj. Budinsk random seo	-Petković and S. B. Vrhovac: Memo quential adsorption model, The Euro	ory effects in vibrated oppean Physical Journa	granular systems: I E, 2005, Vol. 16	Response properties in the , pp. 89-96, ISSN 1292-894	generalized 1			
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:						
Quot	tation total :		75						
Tota	I of SCI(SSCI)	list papers :	30			1.			
Current projects : Domestic : 1				1	International :	1			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Dimkić A. Milan			
Acad	emic title:				Associate Pro	ofessor		
Name of the institution where the teacher works full time and starting date:				acher works full time and	-			
Scientific or art field:					Environment	Protection E	ngineering	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering	
PhD	thesis		2005	Faculty of Civil Engineer	ring - Beograd		Hydrotechnics	
Magi	ster thesis		1986	Faculty of Civil Engineer	ring - Beograd		Hydrotechnics	
Bach	elor's thesis	S	1978	Faculty of Civil Engineer	ring - Beograd		Hydrotechnics	
List c	of courses b	eing he	d by the te	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	Z101	Introdu	iction and F	Principles of Environmenta	al Protection	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
2.	Z414	Conter	mporary Me	thods of Soil Remediation	1	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
3.	Z420	Basic I	Principles o	f Water Management		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
4.	Z101	Uvod i engles	principi zaš kom)	štite okruženja(uneti naziv	na	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
5.	Z205	Održiv životne	o korišćenje sredine(u	e prirodnih resursa i sister neti naziv na engleskom)	n zaštite	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
6.	Z409A	Upravl	janje opasr	iim otpadom(uneti naziv n	a engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
7.	Z420	Osnov engles	ni principi u kom)	pravljanja vodama(uneti r	naziv na	(Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	Z514A	The Us	se, Protecti	on and Management of G	roundwater	(Z20) Envi	ronmental Engineering, Master Academic Studies	
9.	Z514	Korišćo vodam	enje, zaštita a(uneti naz	a i upravljanje podzemnim iv na engleskom)		(Z20) Envi	ronmental Engineering, Master Academic Studies	
10.	MPK018	River E	Basin Mana	gement		( MPK) Inž naziv na ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies	
11.	SZSP13	Groun	dwater Mar	agement		( Z00) Environmental Engineering, Specialised Academic Studies		
12.	SZSP15	Mass	Fransport ir	Groundwater		(Z00) Environmental Engineering, Specialised Academic Studies		
13.	ZSP13	Groun	dwater Mar	agement		(Z00) Environmental Engineering, Doctoral Academic Studies		
14.	ZSP15	Mass 7	Fransport ir	Groundwater		( Z00) Env Studies	ironmental Engineering, Doctoral Academic	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.	Vidović D 2011, Vo	)., Dimki I. 230, N	ć M., Pušić lo 7, pp. 27	M.: Accelerated non-line 22-2735, ISSN 0021-9991	ar finite volume I	e method for	r diffusion Original Research, J COMPUT PHYS,	
2.	Milan Din WELL AC	nkic., Mi SEING,	lenko Pusic J COMPUT	c., Dragan Vidovic., Velibo CIVIL ENG ISSN: 0887-3	or Isailovic., Bra 3801, Vol. 25, N	nkica. NUM No 1,pp. 43	IERICAL MODEL ASSESSMENT OF RADIAL- - 49.	
3.	Dimkić M Part 2. , \	., Pušić Vater So	M., Obrado	ović V., Đurić D.: Several Technology, 2012, Vol. 63	natural indicato 3, No 11, pp. 2	ors of radial 567-2574	well ageing at the Belgrade Groundwater Source.	
4.	Dimkić M mildly and	., Pušić oxic con	M., Obrado ditions, Wa	ović V., Kovačević S.: The ter Science and Technolo	e effect of certa gy, 2012, Vol.	in biochemi 65, No 12, p	cal factors on well clogging under suboxic and op. 2206-2212	
5.	Dimkić M Groundw	., Pušić ater Sou	M., Petkov urce, Part 1	ić A., Boreli - Zdravković <del>E</del> , Water Science and Tech	D.: Several nat inology, 2011,	ural indicato Vol. 63, No	ors of radial well ageing at the Belgrade 11, pp. 2560-2566	
6.	Milan Din 9781843	nkic, He 391906,	inz-Jurgen 2008	Brauch, Michael Kavanau	gh, Groundwat	er Manager	nent in Large River Basins, ISBN:	
7.	Dimkić M 2007.	., Samo	prečišćavaj	ući efekti filtracije podzem	nnih voda, Mon	ografija, Izd	avač "Zadužbina Andrejević", Beograd, 252 str.,	
8.	8. Milan Dimkic, Main principles of groundwater management in large river basins, Planning and Management of Water Resources Systems, Proceedings, 2527. september, 2008, Novi Sad, 49-62							

25	TAS STUD	UNIVERSITY OF NOVI SAD							
CONTRACTOR		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSI	TEJA OBRADOVIĆA 6				
		Study Programme Accreditation - PhD Studies							
.0	PLANTER	DOCTORAL ACADEMIC STUDIES	CADEMIC STUDIES Environmental Engineering						
Re	Representative refferences (minimum 5, not more than 10)								
9.	Dimkić M., Niš, Monog – Građevin	Aranđelović D., Dimkić D., Miljojkov µafija "Sićevo and Jelašnica Gorges sko arhitektonski fakultet, str. 115-1	rić D., Spring "Krupac" s Environment Status I 20, 2007.	Hidden Potential Monitoring, Zavoc	for the Water Supply Needs za zaštitu prirode Srbije i U	of the City of niverzitet u Nišu			
10.	Ninković D	, Babić Mladenović M., Dimkić M., I	Vilovanović M.,Primen	a direktive o voda	ama Evropske Unije u Srbije				
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:						
Quotation total :			0						
Total of SCI(SSCI) list papers : 7									
Curr	ent projects :		Domestic :	2	International :	0			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Doroslovački D. Rade			
Acad	lemic title:				Full Professor			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:					01.10.1978	01.10.1978		
Scier	ntific or art f	ield:			Mathematics			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2000	Faculty of Technical Sci	ences - Novi S	ad	Mathematics	
PhD	thesis		1989	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Magi	ster thesis		1984	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesis	S	1976	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E213	Discre	te Mathema	atics and Linear Algebra		( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
				J. J		( SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						( SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
2.	E101	Discre	te Mathema	atics		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
3.	E101A	Discre	te Mathema	atics		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
						(M30) Ene	ergy and Process Engineering, Undergraduate Studies	
4.	IM1523	Discre	te Mathema	atics		(I20) Engin Studies	neering Management, Undergraduate Academic	
5.	IM1706	Actuer	ial Mathem	atics		(I20) Engin Studies	neering Management, Undergraduate Academic	
6	SE0009	Discre	te Mathema	atics		( SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
		2.00.0				( SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
7.	0M503	Combi	natorics an	d Graph Theory		( OM1) Ma Studies	thematics in Engineering, Master Academic	
8.	0M509	Applie	d Abstract A	Algebra		( OM1) Ma Studies	thematics in Engineering, Master Academic	
9.	0M511	Geom	etry			( OM1) Ma Studies	thematics in Engineering, Master Academic	
10.	0ML503	Combi	natorics an	d Graph Theory		( OM1) Ma Studies	thematics in Engineering, Master Academic	
11.	0ML509	Applai	d Abstract A	Algebra		( OM1) Ma Studies	thematics in Engineering, Master Academic	
12.	0ML511	Geom	etry			( OM1) Ma Studies	thematics in Engineering, Master Academic	
						( E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
						( I12) Indu	strial Engineering, Specialised Academic Studies	
13.	DZ01MS	Select	ed Chapter	s in Mathematics		(I22) Engi Studies	neering Management, Specialised Academic	
						( Z00) Env Studies	ironmental Engineering, Specialised Academic	
14.	OM519	Actuer	ial Mathem	atics		( OM1) Ma Studies	thematics in Engineering, Master Academic	
15.	OML519	19 Actuerial Mathematics (OM1) Mathematics in Engine Studies			thematics in Engineering, Master Academic			

RSI	TAS STUD	UNIVERSITY OF	NOVI SAD			
NA CAL	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
0.2	5	Study Programme Accred	ditation - PhD Studies			
.01	LANTER	DOCTORAL ACADEMIC STUDIES	Environmental Engineering			
List o	of courses b	eing held by the teacher in the accredited study program	mmes			
	ID	Course name	Study programme 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) Mathematics in Engineering, Doctoral Academic Studies			
19.	D0M34	Actuarial Mathematics	( OM1) Mathematics in Engineering, Doctoral Academic Studies			
20.	DOM31	Combinatorial Matrix Theory	( OM1) Mathematics in Engineering, Doctoral Academic Studies			
			( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			
			( E20) Computing and Control Engineering, Doctoral Academic Studies			
			( F00) Graphic Engineering and Design, Doctoral Academic Studies			
			(F20) Engineering Animation, Doctoral Academic Studies			
			(G00) Civil Engineering, Doctoral Academic Studies			
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies			
21	DZ01M	Selected Chapters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies			
۷۱.	DZUTW	Selected Chapters in Mathematics	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies			
			(M00) Mechanical Engineering, Doctoral Academic Studies			
			(M40) Technical Mechanics, Doctoral Academic Studies			
			( OM1) Mathematics in Engineering, Doctoral Academic Studies			
			(S00) Traffic Engineering, Doctoral Academic Studies			
			(Z00) Environmental Engineering, Doctoral Academic Studies			
			(Z01) Safety at Work, Doctoral Academic Studies			
Rep	presentative	refferences (minimum 5, not more than 10)				
1.	R. Dorosl	ovački, R. Tošić and I. Stojmenović: Generating and co	unting triangular system, BIT: 27(1987) 18-24, Kobenhavn, R 54			
2.	R. Dorosl mathema	ovački , R . Tošić i J. Gutman: Topological properties c tical chemistry (19) (219-228) Max- Plank-Institut fur St	of benzenoid systems, XXXVIII, the boundary code, Match in ranhlenchemije, Mulheim (1986)			
3.	Rade Do	roslovački: Binary Sequences without 0110, Matemati	ički vesnik, Mathematical Society of Serbia, 46 (1994), 93-98.			
4.	Rade Do	roslovački: On binary n-words with forbidden 4-subword	ls, (1997/01) Novi Sad Juornal of Mathematics.			
5.	R. Dorosl	ovački, J. Pantović, G.Vojvodić: Note on Itersection of N	Maximal Clones, (1998/02) Novi Sad, Journal of Mathematics.			
6.	R. Dorosl and Com	ovački, J. Pantović, G. Vojvodić: Classification of Maps plement, Matematički vesnik,, Mathematical Society of	by their Membership in Maximal Clones that contain Minimum Serbia, 51, (1999), 21-28			
7.	Rade Dor Mathema	roslovački, Jovanka Pantović and Gradimir Vojvodić: Or tical Journal, 55 (130),2005, 719-724, (R52)	ne Interval in the Lattice of Partial Hyperclones, Czechoslovaka			
8.	O. Bodro: DIVISION	ža-Pantić, R. Doroslovački, K. Doroslovački, AN ELEME NOF A REGION INTO TWO," in Rocky Mountain Journ	ENTARY PROOF OF A THEOREM CONCERNING THE al of Mathematics, Vol. 37, No.5, 2007, R 52			
9.	O. Bodro: Vol.35,No	ža-Pantić, R. Doroslovački, The Gutman formulas for al 0.2, Februar 2004, R 51.	gebraic structure count, Journal of Mathematical Chemistrz			
10.	Ratko To Multiple \	šić, Gradimir Vojvodić, Dragan Mašulović, Rade Dorosl /alued Logic, An International Journal (Journal of Multip	ovački, Jovanka Rosić: Two examples of relative completeness, ole-Valued Logic and Soft Computing), (1996), Vol. 2, pp. 67-78.			
Sur	mmary data	for teacher's scientific or art and professional activity:				
Quot	tation total :	60				
Total	l of SCI(SSC	CI) list papers : 5				

Domestic :

0

International :

Current projects :

0



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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Đurić N. Slavko			
Acad	lemic title:				Assistant Professor			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:					01.01.2007	01.01.2007		
Scier	ntific or art f	ield:			Environment	Protection E	ngineering	
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering	
PhD	thesis		2003	Faculty of Mechanical E	ngineering - Be	eograd	Mechanical Engineering	
Magi	ster thesis		1998	Faculty of Mechanical E	ngineering - Be	eograd	Mechanical Engineering	
Bach	elor's thesis	S	1980	Faculty of Mathematics	- Beograd		Mathematics	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	M3303	Funda	mentals of	Process Engineering		( M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
2.	M3406	Heat A	pparatus			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
3.	Z304	Propa	gation of Di	sturbances		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
4.	Z304A	Propa	gation of dis	sturbances		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
5.	Z306	Proces	s Engineer	ing		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
6.	Z306A	Proces	ss Engineer	ing		( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
7.	Z311	Process Systems and Equipment				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic		
						Studies		
8.	Z412A	Proces	ss apparatu	s for protecting the enviro	nment	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
9.	Z417	Metho	ds and Syst	ems for Water Treatment		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
10.	ZR404	Occup	ational Safe	ety Systems, Means and E	Equipment	(201) Safety at Work, Undergraduate Academic Studies		
11.	Z101	Uvod i engles	principi zaš kom)	śtite okruženja(uneti naziv	na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
12.	Z401A	Projek naziv r	tovanje i pla na englesko	aniranje u zaštiti životne s m)	redine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
13.	Z412	Proces engles	sni aparati z kom)	a zaštitu okoline(uneti na	ziv na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
14.	Z417	Postup engles	oci i postroje kom)	enja za tretman voda(unet	i naziv na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
15.	ZRI41A	Securi	ty and Safe	ty at Work in Process Pla	nts	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
16.	Z501	21BPr	otection Sys	stem Design		(Z20) Envi	ronmental Engineering, Master Academic Studies	
17.	Z501	Projek	tovanje sist	ema zaštite(uneti naziv na	a engleskom)	(Z20) Envi	ronmental Engineering, Master Academic Studies	
18.	M3506	Drying	Technique			( M30) Ene Studies	ergy and Process Engineering, Master Academic	
19.	M3508	Mass <sup>-</sup>	Transfer			( M30) Ene Studies ( M40) Teo	ergy and Process Engineering, Master Academic	
20	M3511	Diffusi	on apparati	IS		Academic (M30) Ene	Studies ergy and Process Engineering, Master Academic	
		0			<b></b>	Studies		
21.	SZSP17	Savremene instrumentalne metode analize zagađuju supstanci u životnoj sredini			zagađujućih	( Z00) Env Studies	Ironmental Engineering, Specialised Academic	

RSI	TAS STUD									
NIN		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI S	SAD, TRG DOSIT	EJA OBRADOVIĆA 6					
23	Des Cé	Study Program	Study Programme Accreditation - PhD Studies							
.0	LANTEN	DOCTORAL ACADEMIC STUDIES Environmental Engineering								
List of courses being held by the teacher in the accredited study programmes										
	ID	Course name		Study programme name, study type						
22.	2. ZD060 Selected topics in air pollution (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work Doctoral Academic Studies									
23.	ZRD28A	Selected topics in the science of occ	upational safety	(Z01) Safety at V	Work, Doctoral Academic S	tudies				
Rep	presentative	refferences (minimum 5, not more th	an 10)	, , <u>,</u>						
1.	<ul> <li>Đurić, S., Omerović, M., Brankov, S., Džaferović, E., Stanojević, P, (2011): Experimental examination of sulphur dioxide</li> <li>separation from mixture of gas in dry procedure with the aid of calcium carbonate, Thermal Science, ISSN 0354-9836</li> <li>Vol. 15, No.1, pp. 115-124</li> </ul>									
2.	<ul> <li>Đurić S., Stanojević P., Đaković D., Jovović A., (2010): The study on the effect of fractional Composition and ash particle Diamete</li> <li>on the ash collection Efficiency at the electrostatic Precipitator, Chemical Industry &amp; Chemical Engineering Quarterly, ISSN 1451- 9372 Vol.16, No.3, pp. 229–236</li> </ul>									
3.	Đurić S., power pla	Stanojević P., Đuranović D., Brankov ants in Bosnia and Herzegovina, Ther	S., Milašinović S., Qu mal Science 2012 Volu	alitative analysis ume 16, Issue 2,	of coal combusted in boilers Pages: 605-612.	s of the thermal				
4.	Nakomčio direct ene	ć, B., Stajić, T., Cepić, Z., Đurić, S., G ergy utilization, Renewable and Susta	eothermal energy pote inable Energy Reviews	entials in the provi s, 2012 Volume 1	nce of Vojvodina from the a 6, Issue 8, Pages: 5696-570	aspekt of the 00				
5.	Djuric Sla ENGINE	ivko N, Brankov Sasa D, Stanojevic F ERING-INTERNATIONAL ENGLISH B	etko, Bozickovic ranko EDITION, (2012), vol. 3	o, IRANIAN JOUR 31 br. 2, str. 45-51	RNAL OF CHEMISTRY & CI	HEMICAL				
6.	Slavko (N (Cvijan) E Serbia, R 2013	likola) Đurić, Žarko (Mirko) Bojić, Dra 3ožičković, The analysis of the road tr AD PRIHVAĆEN ZA ŠTAMPU U ČA:	gan (Boro) Đuranović, affic accidents directly SOPISU: TTEM-Techn	Boro (Branko) Go caused by tractor ics Technologies	bjković, Slobodan (Nestor) T r drivers in the territory of th Education Management, Vo	Fašin, Zdravko le Repiblic of ol.8, No.2, 5/6.				
7.	Đurić, S., Engineeri Vol. 1, pp	Daković, D., (2009): The qualitative ing Technologies ICET, Novi Sad, 28 . 73-79	estimation of Montene h-30th April, 2009., PF	gro lignite charact ROCEEDINGS, IS	teristics, 4th Internacional C BN 978-86-7892-227-5,	Conference on				
8.	<ul> <li>Đurić, S., Vojinović-Miloradov, M., Krmar, M., Slivka, J., Mrđa,D., (2007): Aranđelović,I., Đaković,D., Stanojević,P., Research of radionuclides influence in soil on environment of municipality Petrovo, Republika Srpska, Bosnia &amp; Herzegovina, XI international</li> <li>ECO-CONFERENCE, 26th-29th September 2007, Novi Sad, Environmental protection of urban ans suburban settlements, ISBN 978-86-83177-30-1, ISBN 86-83177-27-0 (za izdavačku celinu), Vol. I, pp. 169-176</li> </ul>									
9.	Đurić, S., ekonomij	(2011): Redukcija emisije SO2 na en a, ekologija , 2011, List saveza energ	ergetskim postrojenjin etičara, ISSN 0354-86	na primenom suvil 51, Broj 1, Godina	h aditivnih postupaka, ENEl a XIII, Str. 168-170	RGIJA,				
10.	Đurić, S., Matemati čvrstog o	Đaković, D., Brankov, S., Omerović, čki model proračuna ravnotežnog sas tpada, ENERGIJA,ekonomija,ekologij	M., Džaferović, E., (20 stava gasifikacije komu a 2010, List saveza e	010): nalnog nergetičara, ISSN	l 0354-8651, Broj 4, Godina	1 XII, Str. 67-74				
Sur	mmary data	for teacher's scientific or art and profe	essional activity:							
Quot	tation total :		3							
Tota	ont projects	וכ) list papers :	b Domostic :	3	International :	1				
Curre	Current projects : Domestic : 3 International : 1									



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name: Folić J. Rad					Folić J. Rado	omir		
Acad	lemic title:				Emeritus Professor			
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.03.1980			
Scientific or art field: Constr				ŕ	Constructions	s in Civil Eng	gineering	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2008	Faculty of Technical Sci	ences - Novi Sa	ad	Constructions in Civil Engineering	
PhD	thesis		1983	Faculty of Civil Engineer	ring - Beograd		Theory of Construction	
Magi	ster thesis		1974	Faculty of Civil Engineer	ring - Zagreb		Theory of Construction	
Bach	elor's thesis	S	1963	Faculty of Civil Engineer	ring - Beograd		Constructions in Civil Engineering	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
						(A00) Arcl	nitecture, Specialised Academic Studies	
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
						( GI0) Geo Studies	desy and Geomatics, Specialised Academic	
1.	A002S	Scient	ific Researc	ch Method		( I12) Indu	strial Engineering, Specialised Academic Studies	
						( I22) Engi Studies	neering Management, Specialised Academic	
						(Z00) Environmental Engineering, Specialised Academic		
2.	GG505	Concre	ete Bridges			(G00) Civil Engineering, Master Academic Studies		
3.	GS015	Scient	ific Researc	ch Method		(G10) Energy Efficiency in Buildings, Specialised Academic Studies		
4.	A120S	Proces	s, principi i t lia	ehnike naučnog istraživar	nja-odabrana	(A00) Architecture, Specialised Academic Studies		
5.	GG531	Odabr	ana poglavl	ja zidanih konstrukcija		(G00) Civil Engineering, Master Academic Studies		
6.	DG1002	Select	ed Chapter	s in Engineering Geodesy		(GI0) Geodesy and Geomatics, Doctoral Academic Studies		
						( A00) Architecture, Doctoral Academic Studies		
						(AS0) Scenic Design, 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) Eng	ineering Animation, Doctoral Academic Studies	
						( G00) Civi	I Engineering, Doctoral Academic Studies	
_						(GI0) Geo	desy and Geomatics, Doctoral Academic Studies	
7.	DZ001	Scient	ific Researc	ch Method		(H00) Med	chatronics, Doctoral Academic Studies	
						( I20) Indu	strial Engineering / Engineering Management,	
						(M00) Me	chanical Engineering, Doctoral Academic Studies	
						( M40) Tec	chnical Mechanics Doctoral Academic Studies	
						(OM1) Ma	thematics in Engineering, Doctoral Academic	
						(SOO) Trat	fic Engineering Doctoral Academic Studies	
						( 700) Fnv	ironmental Engineering, Doctoral Academic	
						Studies		
						(Z01) Safe	ety at Work, Doctoral Academic Studies	
8.	A120	Proces poglav	s, principi i t Ija(uneti na	ehnike naučnog istraživar ziv na engleskom)	nja - odabrana	(A00) Arcl	nitecture, Doctoral Academic Studies	
9.	GD027	Proces	ss, principle	s and techniques of scien	tific research	( G00) Civi	I Engineering, Doctoral Academic Studies	
Rep	Representative refferences (minimum 5, not more than 10)							

SITAS STUD			UNIVERSITY OF NO	VI SAD		WHEN HA			
IVE A	A DRU	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
L'Des C's		Study Programme Accreditation - PhD Studies							
.01	LANTER	DOCTORAL ACADEMIC STUDIE	S	Er	vironmental Engineering	HO			
Representative refferences (minimum 5, not more than 10)									
<ol> <li>Folić, R. (1983): Spojevi i veze montažnih betonskih zgrada. U knjizi Montažni građevinski objekti, (Ed. B. Žeželj, A Ekonomika, Beograd, str. 117-167. (9 autorskih tabaka)</li> </ol>					A.Flašar)				
2.	Folić, R. (19 Građevinsk	983): Statika konstrukcija - Zbirka re a knjiga, Beograd (1991).	ešenih zadataka. FTN	IIG, Novi Sad, str	. 1-486. II izdanje (1987). II	l izdanje			
3.	Folić, R., Ta Građevinsk	atomirović, M. (1999): Spregnute be i kalendar, 2001, str. 217-290	etonske konstrukcije-l	deo. Građevinski	kalendar, 1999. str. 289-38	6; II deo,			
4.	Folić, R. (19 - Journal, C	991): Classification of damage and Chapman & Hall, Vol. 24, pp. 276-28	its causes as applied t 85.	o precast concret	te buildings. Material and St	ructures. RILEM			
5.	Folić, R., Iv Diagnosis c	anov, D. (1991): In situ behaviour c of Concrete Structures - State of the	f concrete structures of Art Report, Ed. by T.	leterioration of co Javor, Expertcen	ncrete, influence of earthqu trum, Bratislava, pp. 135-14	ake and a fire in 6.			
6.	Folić, R. (19 IIG Posebn	985): Analiza aktivne širine ploče i ç o izdanje 7, Novi Sad, str. 1-193.	graničnih stanja kod el	emenata od armir	anog i prethodno napregnu	tog betona. FTN			
7.	Folić, R., R July/Augus	adonjanin, V. (1998): Experimental t 1998, pp.463-470.	research on polymer r	nodified concrete	, Materials Journal, ACI, V	OL. 95 No. 4,			
8.	Folić, R. (19 RILEM - Jo	991): A classification of damage to urnal, Chapman & Hall, Vol. 24, pp	concrete buildings in e . 286-292.	arthquakes, illust	rated by examples. Materia	and Structures,			
9.	Javor, T., N Chapman &	laus, D.J., Folić, R., Zakić, B.: (1992 & Hall, Vol. 25, pp. 437-440.	2): Diagnosis of Concr	ete Structures. RI	LEM - Journal Materials an	d Structures,			
10.	Folić, R., R July/Augus	adonjanin, V. (1998): Experimental t 1998, pp.463-470.	research on polymer r	nodified concrete	, Materials Journal, ACI, V	OL. 95 No. 4,			
Su	mmary data fo	or teacher's scientific or art and prof	essional activity:						
Quot	tation total :		11						
Tota	I of SCI(SSCI)	) list papers :	8						
Current projects :     Domestic :     2     International :     1					1				



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Gilezan K. Silvia			
Acad	lemic title:				Full Professor			
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
					01.04.1984			
Scier	ntific or art f	ield:			Mathematics			
Acad	lemic carlee	er	Year	Institution			Field	
Acad	lemic title e	lection:	2005	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics	
PhD	thesis		1993	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Magi	ster thesis		1988	Faculty of Mathematics	- Beograd		Mathematical Sciences	
Bach	elor's thesis	S 	1981	Faculty of Sciences - No			Mathematical Sciences	
LIST	of courses b	eing ne	Id by the tea	acher in the accredited stu	ldy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	GH404	Mathe	matical Stat	istics		(G00) Civil (G00) Civil	Engineering, Master Academic Studies Engineering, Undergraduate Academic Studies	
2.	GI303B	Probat	oility and Ma	athematical Statistics		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
3.	IAM003	Forma	l Mathemat	ical Models		( F10) Eng Studies	ineering Animation, Undergraduate Academic	
4	<b>S011</b>	Matha	motion 1			(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
4.	3011	Maule	matics			(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
5.	Z203	Statist	ical Method	s		( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate Academi Studies		
						(110) Indus Studies	strial Engineering, Undergraduate Academic	
6.	IM1012	Probal	oility and St	atistics		( I20) Engii Studies	neering Management, Undergraduate Academic	
						( P00) Production Engineering, Undergraduate Academic Studies		
7.	0M506	Semar	ntics of Prog	gramming Languages		( OM1) Mathematics in Engineering, Master Academic Studies		
8.	0M507	Logic i	n Compute	Science		( OM1) Ma Studies	thematics in Engineering, Master Academic	
9.	0M513	Introdu	ction to Fu	nctional Programming Lar	nguages	( OM1) Ma Studies	thematics in Engineering, Master Academic	
10.	0ML506	Semar	ntics of prog	ramming languages		( OM1) Ma Studies	thematics in Engineering, Master Academic	
11.	0ML507	Logic i	n computer	science		( OM1) Ma Studies	thematics in Engineering, Master Academic	
12.	0ML513	Introdu	uction to Fu	nctional Programming Lar	nguages	( OM1) Ma Studies	thematics in Engineering, Master Academic	
						( E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
						( 112) Indus	strial Engineering, Specialised Academic Studies	
13.	DZ01MS	Select	ed Chapters	s in Mathematics		( I22) Engii Studies	neering Management, Specialised Academic	
						( Z00) Envi Studies	ironmental Engineering, Specialised Academic	
14	GH404	Mathe	matical Stat	istics		(G00) Civil	Engineering, Master Academic Studies	
14.	011404	maule		101100		(G00) Civil	Engineering, Undergraduate Academic Studies	
15.	SD0M06	Logic in Computer Science				( GI0) Geo Studies	desy and Geomatics, Specialised Academic	

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TROPLANTER S

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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

	ID	Course name	Study programme name, study type		
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies		
17.	D0M05	Semantics of Programming Languages	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
18.	D0M06	Logic in Computer Science	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
19.	D0M11	Models of Computation	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
20.	D0M12	Introduction to Functional Programming Languages	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
21.	D0M13	Theory of Mobile Processes	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
22.	D0M14	Process Algebra	( 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		
	570414	Selected Chapters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies		
23.	DZ01M		( 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		
24.	AID05	Theory of Mobile Processes (F20) Engineering Animation, Doctoral Academic Studies			
Rep	Representative refferences (minimum 5, not more than 10)				
1.	"Inhabitation in lambda calculus with intersection and union types", Journal of Logic and Computation 6 (1993) 671-685, Oxford University Press				
2.	"Characterizing strong normalization in the Curien-Herbelin symmetric lambda calculus: extending the Coppo-Dezani heritage, (sa D.Dougherty, P.Lescanne) Theoretical Computer Science 2007				
3.	"Separating Points by Parallel Hyperplanes " (sa J. Pantovic, J. Zunic), IEEE Transactions of Neural Networks 18(5) (2007) 1356- 1363				
4.	"Lambda terms for natural deduction, sequent calculus and cut elimination" (sa H.P.Barendregt), Journal of Functional Programming, 10 (2000) 121-134.				
5.	"Confluence of untyped lambda calculus via simple types" (with V.Kuncak), ICTCS"01, Lecture Notes in Computer Science 2201, 38-49.				
6.	"Full intersection types and topologies in lambda calculus", Journal of Computer and System Sciences, 62 (2001) 1-14.				
7.	"Behavioural inverse limit lambda models" (sa M. Dezani-Ciancaglini, S. Likavec), Theoretical Computer Science Vol 316/1-3 (2004) 49-74.				
8.	"Strong normalization of the classical sequent calculus" (sa D. Dougherty, P. Lescanne, S.Likavec), Lecture Notes in Computer Science 3835 (2005) 169-183.				
9.	"Security types for dynamic web data" (sa M.Dezani-Ciancaglini, J. Pantovic), Trustworthy Global Computing, TGC"06, Lecture Notes in Computer Science 4661 (2007) 263-280.				
10.	10. Zbirka rešenih zadataka iz statistike (sa Z.Lužanin, Z.Ovcin, Lj.Nedović, T.Grbić, B.Mihailović) 2005				
Summary data for teacher's scientific or art and professional activity:					
Quotation total : 325					

SITAS STUD		WYKNX H			
NA CONTRACTOR	FACULTY OF TECHNICAL SCI				
2000	Study Program	Con			
PLANTER	DOCTORAL ACADEMIC STUDIES	S	En	vironmental Engineering	HO
Total of SCI(SSCI	) list papers :	17			
Current projects :		Domestic :	2	International :	4



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Grbić P. Tatjana				
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad				
starting date:					15.12.1995				
Scier	ntific or art f	ield:			Mathematics				
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	ection:	2009	Faculty of Technical Scie	ences - Novi Sa	ad	Mathematics		
PhD	thesis		2008	Faculty of Sciences - No	vi Sad		Mathematical Sciences		
Magi	ster thesis		1999	Faculty of Sciences - No	Novi Sad		Mathematical Sciences		
Bach	elor's thesis	3	1993	Faculty of Sciences - No	vi Sad	Mathematical Sciences			
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s			
	ID	Course name				Study pro	gramme name, study type		
1	F105	Probability, Statistics and Stochastic Processes			2000	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
1.	L135				555	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
		Mathematical Analysis 1				(E20) Computing and Control Engineering, Undergraduate Academic Studies			
2.	E212					( SE0) Software Engineering and Information Technologies Undergraduate Academic Studies			
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
3.	GI303B	Probability and Mathematical Statistics				( GI0) Geo Studies	odesy and Geomatics, Undergraduate Academic		
	Z104			(Z01) Safety at Work, Undergraduate Academic Studies					
		Mathematics 1				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
4.						( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
						(Z20) Environmental Engineering, Undergraduate Academic Studies			
	Z203				(Z01) Safety at Work, Undergraduate Academic Studies				
5.		Statistical Methods				(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
					(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
6.	BMI91	Mathematics 1				( BM0) Bio Studies	medical Engineering, Undergraduate Academic		
7.	BMI92	Mathematics 2				( BM0) Bio Studies	medical Engineering, Undergraduate Academic		
8.	IA001	Algebra				( F10) Eng Studies	10) Engineering Animation, Undergraduate Academic Idies		
9.	IA002	Mathematical Analysis				( F10) Eng Studies	ineering Animation, Undergraduate Academic		
10.	P216	Numerical Analysis			(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) Ma Studies	thematics in Engineering, Master Academic		
13.	0ML505	Stochastic Processes				( OM1) Ma Studies	thematics in Engineering, Master Academic		

# SITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

	ID	Course name	Study programme name, study type						
14.			(E11) Power, Electronic and Telecommunication						
			(112) Industrial Engineering Specialised Academic Studies						
	DZ01MS	Selected Chapters in Mathematics	(122) Engineering Management, Specialised Academic Studies						
			(Z00) Environmental Engineering, Specialised Academic Studies						
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies						
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies						
17.	SDOM3 0	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies						
18.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies						
19.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies						
20.	D0M19	Functional Analysis 2	( OM1) Mathematics in Engineering, Doctoral Academic Studies						
21.	D0M21	Fuzzy Systems and Their Applications	( OM1) Mathematics in Engineering, Doctoral Academic Studies						
22.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies						
23.	D0M51	Large Deviations Principles	( OM1) Mathematics in Engineering, Doctoral Academic Studies						
24.	D0M52	Random Sets	( OM1) Mathematics in Engineering, Doctoral Academic Studies						
25.	D0M53	Statistical Processing of Fuzzy Data	( OM1) Mathematics in Engineering, Doctoral Academic Studies						
		Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies						
	DOM30		(M40) Technical Mechanics, Doctoral Academic Studies						
26.			( Z00) Environmental Engineering, Doctoral Academic Studies						
			(Z01) Safety at Work, Doctoral Academic Studies						
	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						
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies						
27.			(H00) Mechatronics, Doctoral Academic Studies						
			(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies						
			(M00) Mechanical Engineering, Doctoral Academic Studies						
			(M40) Technical Mechanics, Doctoral Academic Studies						
			( OM1) Mathematics in Engineering, Doctoral Academic Studies						
			(S00) Traffic Engineering, Doctoral Academic Studies						
			( Z00) Environmental Engineering, Doctoral Academic Studies						
			(Z01) Safety at Work, Doctoral Academic Studies						
Rep	Representative refferences (minimum 5, not more than 10)								
1.	1. Ralević, N.M., Nedović, Lj., Grbić, T., :"The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral", Fuzzy sets and systems, 2005, No.155, 89-101								
	AS ST		UNIVERSITY OF NOVI SAD						
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ANN ANN	NULL DIOR	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
C.C		Study Programme Accreditation - PhD Studies							
.01	LANTEN	DOCTORAL ACADEMIC STUDIE	S	En	vironmental Engineering	HOU			
Representative refferences (minimum 5, not more than 10)									
2.	<ol> <li>Nedović, Lj., Ralević, N. M., Grbić, T.,: " Large deviation principle with generated pseudo measures", Fuzzy sets and systems, 2005, No. 105, 65-76</li> </ol>								
3.	Štajner-Pa	ouga, I., Grbić, T., Dankova, M., "Ps	eud-Riemann-Stieltjes	integral ", Inform	ation Sciences 179, 2009, 2	2923-2933			
4.	M. Štrboja, T. Grbić, I. Štajner-Papuga, G. Grujić, S. Medić, Jensen and Chebyshev inequalities for pseudo-integrals of set-valued functions, FSS, doi:10.101016/j.fss.2012.07.011								
5.	5. Grbić, T., Pap, E., : "Generalization Of Portamnteau theorem with respect to the pseudo-weak convergence of random closed sets", Theory of Probability and its Applications, 2009, 97-115								
6.	T. Grbić, I. (2011), 227	Štajner-Papuga, M. Štrboja, an app 8-2292	proach to pseudo-integ	ration of set-value	ed functions, Information Sc	iences 181			
7.	<ul> <li>T. Grbić, S. Medić, I. Štajner-Papuga, T. Došenović, Inequalities of Jensen and Chebyshev type for interval-valued measures</li> <li>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</li> </ul>								
8.	Štajner-Pap Mathe., Vol	ouga, I., Grbić, T., Dankova, M., "Ri . 36, No. 2, 111-124	emann-Stieltjes type ir	tegral based on (	generated pseudo-operatior	ıs", NS J.			
9.	Nedović, Lj., Grbić, T., "The pseudo-probability", Journal of Electrical Engineering, 2002, Vol. 53, No. 12/s, 27-30								
10.	Mihailović, engineering	B., Nedović, T., Grbić, T., "The indu J, Vol. 54, No. 12/s, 76-79	iced Sugeno integral-b	ased operator w.	r.t. bi-fuzzy measures", Jour	nal of Electrical			
Sur	mmary data fo	r teacher's scientific or art and profe	essional activity:						
Quot	tation total :		17						
Tota	l of SCI(SSCI)	list papers :	6			1			
Curre	ent projects :		Domestic :	2	International :	0			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:			Gvozdenac D. Dušan					
Acad	lemic title:				Full Professor			
Nam	e of the inst	itution w	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.06.1973			
Scientific or art field:					Thermal Ener	Thermal Energetics and Thermotechnics		
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	1993	Faculty of Technical Scie	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics	
PhD	thesis		1981	Faculty of Mechanical E	ngineering - Be	eograd	Thermal Energetics and Thermotechnics	
Magi	ster thesis		1978	Faculty of Technical Scie	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics	
Bach	elor's thesis	S	1973	Faculty of Technical Scie	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics	
List o	of courses b	eing hei	ld by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	EOS38	Energe	etski menac	lžment		( E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical indergraduate Professional Studies	
2.	M119	Energy	/ Transform	ations		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
3.	M222A	Energy	y System Ei	ngineering		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4	M3311	Popou	able Energ	v Sourcos		( M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	1013311	Reliew		y sources		( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
5.	M3501	Refrige	eration Devi	ices		(M30) Energy and Process Engineering, Undergraduate Academic Studies		
6.	Z206	Alternative Power Engineering				(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
7.	Z206A	Alternative Energy Sources				(Z01) Safe	ety at Work, Undergraduate Academic Studies	
8.	Z206	Alternativna energetika(uneti naziv na engle			eskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
0	E0313	Funda	montals of l	Process and Energy Engli	( E20) Computing and Control Engineering, Und Academic Studies		nputing and Control Engineering, Undergraduate Studies	
5.	L2010	Tunua		Tocess and Energy Engli	licening	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
10.	II1044	Energy	/ flows and	energy efficiency		(110) Industrial Engineering, Undergraduate Academic Studies		
11	M011	Magay	romont one	Degulation		( M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
11.	1012 1 1	Measu	inement and	Regulation		( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
12.	M3031	Engine Appara	ering Calcu atus and Eq	ulations of Energy Techno uipment	logies	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
10	M2404	From	, officionov			( M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
13.	1013494	Ellergy	/ eniciency			( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
14.	1939	Meren	je, nadzor i	upravljanje		( M50) Ene	ergy Management, Master Academic Studies	
15.	IMDS78	Odabra naziv r	ana poglavl na englesko	ja iz energetskog menadž m)	menta(uneti	( I22) Engi Studies	neering Management, Specialised Academic	
16.	M3503	Dinam postroj	ika i modeli jenja(uneti r	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	i energetskog menadžme	nta	( Z00) Env Studies	ironmental Engineering, Specialised Academic	
20.	DM216	Energy	y Systems			( M00) Me	chanical Engineering, Doctoral Academic Studies	
21.	DM217	Energy Management in Idustry				( M00) Mechanical Engineering, Doctoral Academic Studies		

### ASTAS STUDIO

in

UNIVERSITY OF NOVI SAD

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



Study Programme Accredita	ation - PhD Studies
DOCTORAL ACADEMIC STUDIES	Environmental Engineering

List of courses bei	na held by the	teacher in the a	accredited study	programmes

	ID	Course name		Study programme name, study type				
22.	DM218	Contemporary Energy Technologies		( M00) Mechanical Engineering, Doctoral Academic Studies				
23.	DM219	Energy Politics		(M00) Mechanio	cal Engineering, Doctoral Ac	ademic Studies		
24	DM303	Engineering Experimental Matheda		(H00) Mechatro	nics, Doctoral Academic Stu	udies		
24.	DIVI302	Engineering Experimental Methods		(M00) Mechanio	cal Engineering, Doctoral Ac	ademic Studies		
25.	DM309	Energy Management Methods		(M00) Mechanio	cal Engineering, Doctoral Ac	ademic Studies		
26.	DM332	Energy Management in Buildings		(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies		
27.	DM333	Renewable Energy Resoruces		(M00) Mechanic	cal 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	(120) Industrial E Doctoral Acader	Engineering / Engineering M nic Studies	lanagement,		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.	<ol> <li>Energy Efficiency in Food Processing Industry – East European Experience, edited by D. Gvozdenac, UNDP/UNIDO Project DP/RER/83/003, Novi Sad, pp. 123, 1991.</li> </ol>							
2.	2. Conterporary problems in Power Engineering (monograph), Novi Sad/Thesaloniki, Gvozdenac D, Xypteras J, Dimić M. 1996.							
3.	3. Measurement and regulation (Selected chapters for operators of large power plants), Institute of energy and process engineering, Novi Sad, Gvozdenac, D, Pešenjanski, I,1980. (in Serbian).							
4.	<ul> <li>Measurement and Regulation in Thermal Engineering, Faculty of Technical Sciences, Gvozdenac, D, Novi Sad, 2000. (in Serbian)</li> </ul>							
5.	Bilansirar 2006	nje energetskih tokova, Pokrajinski ce	ntar za energetku efik	asnost, Gvozdena	ac, D., Marić, M., Petrović, J	., Novi Sad,		
6.	Gvozden Thailand,	ac D, Menke C, Vallikul P, Petrovic J, Energy, Volume 34, Issue 4, 2009, p	Gvozdenac B: Assess p 465-475	sment of potential	for natural gas-based coge	neration in		
7.	A Mather the ASM	natical Model for Heat Transfer in Cor E Journal of Engineering for Power, V	nbustion Chambers of ol. 103, 1981, pp. 545	f Steam Generato – 551.	rs, Gulič, M, Gvozdenac, D,	Transactions of		
8.	B. Somcharoenwattana W, Menke C, Kamolpus D, Gvozdenac D: Study of Operational Parameters Improvement of Natural-Gas Cogeneration Plant in Public Buildings in Thailand, Energy and Buildings. Vol. 43. Issue 4. April. 2011. p. 925-934							
9.	Two-pase Stoffuebe	s counter cross-flow heat exchangers ertragung, Vol. 20, 1986, pp. 151 – 16	with both fluids unmix 1.	ed throughout, G	vozdenac, D, Waerme - und			
10.	10. Analytical Solution of the Transient Response of Gas-to-Gas Cross-flow Heat Exchanger With Both Fluids Unmixed, Gvozdenac, D.D., ASME Journal of Heat Transfer, Vol. 108, 1986, pp. 722-727.							
Sur	mmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		71					
Tota	of SCI(SS	CI) list papers :	26	i	i	,		
Curre	Current projects : Domestic : 2 International : 1							



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name: Gvozdenac					Gvozdenac U	Urošević D. Branka		
Acad	demic title:				Assistant Pro	sistant Professor		
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad	
Scio	ntific or art f	iold:			T5.10.2004	ht Protection Engineering		
Acar		iciu.	Voor	Institution	LINIOIIIIEII		Field	
Acar	domic titlo o	oction:	2011				Environment Protection Engineering	
		ection.	2011	Eaculty of Tochnical Sci	ancos Novi S	ad	Thermal Energetics and Thermatechnics	
Mag	inter thesis		2011			au	Thermal Energetics and Thermotechnics	
way			2008			au	Production Systems, Organization and	
Bach	nelor's thesis	5	2003	Faculty of Technical Scie	ences - Novi S	ad	Management	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	1079	Moder	n Energy T	echnologies		( M50) Ene ( ZC0) Clea	ergy Management, Master Academic Studies an Energy Technologies, Undergraduate	
						Academic	Studies	
2.	M119	Energy	/ Transform	ations		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
3.	M222A	Energy	y System E	ngineering		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
						(M30) Ene	ergy and Process Engineering, Undergraduate Studies	
4.	M3311	Renewable Energy Sources				(ZC0) Clean Energy Technologies, Undergraduate		
						(ZC0) Cle	an Energy Technologies, Undergraduate	
5.	Z453	Energy System Engineering				Academic	Studies	
6.	OAS214	Integralni katastar zagađivača(uneti naziv na engleskon			a engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
7.	Z205	Održivo korišćenje prirodnih resursa i sistem zaštite životne sredine(uneti naziv na engleskom)			n zaštite	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
8.	Z206	Alterna	ativna energ	getika(uneti naziv na engle	eskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
9.	ZC009	Energy	/, society a	nd environment		( ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
10.	ZC046	Energy	y strategy			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(M50) Energy Management, Master Academic Studies		
11.	1079	Moder	n Energy T	echnologies		( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
12.	1938	Energy	and Socie	ty		( M50) Ene	ergy Management, Master Academic Studies	
13.	Z508	Specif	ični uslovi p e(uneti nazi	rojektovanja u zaštiti život v na engleskom)	ine	(Z20) Envi	ronmental Engineering, Master Academic Studies	
14.	GS003	Renew	able Energ	y in Civil Engineering		( G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	
15.	1078	Energe	etska politik	а		( M50) Ene	ergy Management, Master Academic Studies	
16.	M5022	Renew	able energ	y sources		( M50) Ene	ergy Management, Master Academic Studies	
17.	SGD023	Energe	etska efikas	nost građevinskih objekat	а	( Z00) Env Studies	ironmental Engineering, Specialised Academic	
18.	ZSP24	Moder	n Principles	of Energy Management		( Z00) Env Studies	ironmental Engineering, Doctoral Academic	
Re	presentative	reffere	nces (minin	num 5, not more than 10)				
1.	Assessm Gvozden	ent of p ac B E	otential for NERGY 20	natural gas-based cogene	ration in Thaila	ınd;Gvozdeı	nac D., Menke C., Vallikul P., Petrovic J.,	
2.	Dragan M PLANT II	1. UROŠ	ŠEVIĆ, Brai ODINA, The	nka D. GVOZDENAC-URO ermal Science Year 2012.	DŠEVIĆ: COM Vol. 16, Suppl	PREHENSI . 1,S 97-106	VE ANALYSIS OF A STRAW-FIRED POWER	
3.	Gvozden	ac-Uroš	ević B: Ene	rgy Efficiency and GDP, T	hermal Scienc	e, ISSN: 03	54-9836, Vol. 14, No. 3, Str. 799-808, 2010	

STAS STUD			UNIVERSITY OF NOVI SAD						
ALVE A	IN NOR	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
n. NEO	ANTEN ST	Study Program	i <b>me Accredit</b> a s	ation - Ph[ Er	D Studies	Head Head			
Rep	presentative re	efferences (minimum 5, not more th	an 10)						
4.	Jovan R. PETROVIĆ, Branka D. GVOZDENAC-UROŠEVIĆ, Josip J. POLC: REASONS FOR HEAT DEMAND CHANGES AND 4. EFFECTS ON PLANNING AND DEVELOPMENT OF HEATING SYSTEMS, Thermal Science Year 2012, Vol. 16, Suppl. 1, S 63- 77								
5.	Gvozdenac D, Petrović J, Gvozdenac-Urošević B: Industrial Gas Turbine Operation Procedure Improvement, Thermal Science, ISSN: 0354-9836, 2010								
6.	Petrović, J. postrojenja	, Gvozdenac,B., Računarski model – na primeru fabrike na Tajlandu, k	tehničke i ekonomske KGH- Klimatizacija, gre	ocene opravdano janje i hlađenje, 2	osti izgradnje distribuiranih l 2007, No. 1/07, str. 49- 54,	kogeneracionih			
7.	Gvozdenac	D, Gvozdenac-Urošević B, Morvaj	Z, ENERGETSKA EF	IKASNOST, FTN	izdavaštvo, Novi Sad, 2012	2			
8.	Gvozdenac Publishing,	D, Nakomčić-Smaragdakis B, Gvo Novi Sad, 2012	zdenac-Urošević B, Rl	ENEWABLE ENE	RGY, Faculty of Technical	Sciences			
9.	Model planiranja razvoja distribuirane kogeneracije i njene integracije u regionalni energetski sistem								
10.	Bašić, Đ., Petrović, J., Marić, M., Dragutinović, G., Gvozdenac, B., Štrbac, D., Mogućnosti korišćenja energetskog potencijala geotermalnih voda u Vojvodini, PROMETEJ, Novi Sad, 2009								
Sur	nmary data fo	r teacher's scientific or art and prof	essional activity:						
Quot	ation total :		0						
Tota	of SCI(SSCI)	) list papers :	3		i				
Curre	ent projects :		Domestic :	2	International :	1			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	e and last n	ame:			Hadžistević J. Miodrag				
Acad	emic title:				Associate Professor				
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad		
starti	ng date:				01.02.1993				
			Metrology, Qu	Jality, Fixtur	es and Ecological-Engineering Aspects				
Acad	emic caries	er	Year	Institution					
Acad	emic title el	ection:	2010	Faculty of Technical Scie	ences - Novi Sa	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
PhD	thesis		2004	Faculty of Technical Scie	ences - Novi Sa	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
Magi	ster thesis		1999	Faculty of Technical Scie	ences - Novi Sa	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
Bach	elor's thesis	5	1992	Faculty of Technical Scie	ences - Novi Sa	ad	Cutting Processing Tools and Tribology		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	P1401	Fixture	e Design an	d Measuring Machines		( P00) Proo Studies	duction Engineering, Undergraduate Academic		
						( P00) Proo Studies	duction Engineering, Undergraduate Academic		
2.	P1508	Revers	se Engineer	ing and CAQ		( SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						( SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
					(M40) Teo Undergrad	hnical Mechanics and Technical Design, uate Academic Studies			
3.	P209	P209 Measurements and Quality				( P00) Production Engineering, Undergraduate Academic Studies			
4.	P306	Fixtures				(P00)Proo Studies	duction Engineering, Undergraduate Academic		
5.	URZP15	Work s	safety durin	g interventions		( ZP0) Disa Undergrad	ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
6.	Z207	Mecha	inical Engin	eering in Environmental E	ingineering	(Z20) Environmental Engineering, Undergraduate Academic Studies			
7.	Z207A	Mecha	inical Engin	eering in Environmental E	ingineering	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
						(Z01) Safety at Work, Undergraduate Academic Studies			
8.	Z301	Polluti	on Measure	ment and Control		(Z20) Environmental Engineering, Undergraduate Academic Studies			
9.	Z416	EMS S	Systems			(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
10.	ZR101	Introdu	uction and F	Principles of Occupational	Safety	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
11.	ZR404	Occup	ational Safe	ety Systems, Means and E	Equipment	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
12.	Z207	Mašins naziv r	stvo u inžer na englesko	jerstvu zaštite životne sre m)	dine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
13.	Z416	EMS s	istemi(unet	i naziv na engleskom)		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
14.	IM1714	Introdu health	uction and p and safety	rinciples of occupational of	occupational	(I20) Engin Studies	eering Management, Undergraduate Academic		
15.	ZC036	Measu	irement and	l control of pollution		( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
16.	P1409	Materi	al Control S	systems and CAI		(PM0) Pro	duction Engineering, Master Academic Studies		
17.	P1501	Ecolog	jical Techno	ologies and Systems		( M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies		
						(PM0) Production Engineering, Master Academic Studies			
18.	Z416A	Enviro	nment Prot	ection System Manageme	ent	(PM0)Pro	duction Engineering, Master Academic Studies		
19.	Z452	Desigr enviro	n and maint	enance of quality control in gineering	n	(M40) Tec Academic	echnical Mechanics and Technical Design, Master c Studies		

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### UNIVERSITY OF NOVI SAD

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



### Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Environmental Engineering

List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study program	me name, study type		
20.	PLIS1	Logistics and Simulation in Technolo Processing	ogies of Plastics	(PM0) Productio	on Engineering, Master Acad	lemic Studies	
21.	PP103	Measurement and tools in precision	engineering	(PM0) Productio	on Engineering, Master Acad	lemic Studies	
22.	SDOM3 0	Probability, Statistics and Theory of Experiment	Engineering	( Z00) Environm Studies	ental Engineering, Specialise	ed Academic	
23.	SM3	Software support for reverse engine	ering and CAQ	(PM0) Productio	on Engineering, Master Acad	lemic Studies	
24.	SZSP18	Contemporary scientific approaches assessment of products (LCA)	in life cycle	(Z00) Environmental Engineering, Specialised Academic Studies			
25.	ZCM09	Occupational Health and Safety		( ZC0) Clean Energy Technologies, Master Academic Studies			
26.	ZR406A	System Regulations and EU Practice Health and Safety	e in Occupational	(Z01) Safety at	Work, Master Academic Stud	dies	
27.	DOM30	Probability, Statistics and Theory of Experiment	Engineering	( M00) Mechanic ( M40) Technica ( Z00) Environm Studies ( Z01) Safety at 1	cal Engineering, Doctoral Aca I Mechanics, Doctoral Acade ental Engineering, Doctoral / Work, Doctoral Academic St	ademic Studies emic Studies Academic udies	
20	DP001	Design and Research Methods in Pr	oduction	(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies	
20. 29.	DP001	Engineering State and development trends of me	trology, quality and	(M00) Mechanic	cal Engineering, Doctoral Aca	ademic Studies	
30	DP013	Ecological Engineering Aspects		(M00) Mechanic	al Engineering Doctoral Ac	ademic Studies	
31.	DP019	Selected topics in technical diagnosi	s	(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies	
32.	ZSP18	Modern Scientific Approaches in Pro Assessment (LCA)	oduct Life Cycle	( Z00) Environmental Engineering, Doctoral Academic Studies			
33.	ZRD211	Sustainable design and product safe	(Z01) Safety at	Work, Doctoral Academic St	udies		
34.	ZRD213	Current state and development tend management of work environment	encies of quality	(Z01) Safety at	Work, Doctoral Academic St	udies	
35.	ZRD235	ZRD235 Systemic regulation in the field of occupational safety (Z01) Safety at Work, Doctoral Academic Studies					
Rer	Representative refferences (minimum 5, not more than 10)						
1.	1. Matin I., Hadžistević M., Hodolič J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, International, Journal of Advanced Manufacturing Technology, 2012, Vol. 63, No. 5-8, pp. 595-607, ISSN 0269, 3769						
2.	Brajlih T. Dimensio Vol. 57, N	, Tasić T., Drštvenček I., Valentan B., nal Optical Scanning in Complex Geo Jo 11. pp. 826-833, ISSN 0039-2480	Hadžistević M., Poga ometrical Inspection, S	čar V., Balić J., Ač trojniski vestnik =	ko B.: Possibilities of Using Journal of Mechanical Engir	Three- neering, 2011,	
3.	Sekulić M main cutt	1., Jurković Z., Hadžistević M., Gostim ing force in face milling, Metalurgija, 2	irović M.: The influen 2010, Vol. 49, No 4, pp	ce of mechanical b. 339-342, ISSN (	properties of workpiece mate 0543-5846, UDK:	erial on the	
4.	Morača S	6., Hadžistević M., Drstvenšek I., Rada Stojniški vestnik = Journal of Mecha	aković N.: Application	of Group Techno	logy in Complex Cluster type	e Organizational	
5.	Radlovač INFORM	ki V., Kamberović B., Delić M., Hadžis ATION TECHNOLOGIES MANAGEM ATIONAL JOURNAL ADVANCED QU	stević M., Pečujlija M.: ENT TOOLS - ESTIM ALITY 2012 Vol 40	ARE QUALITY NATES OF SERBIN	MANAGEMENT SYSTEM AI AN QUALITY MANAGERS, SSN 2217-8155, UDK: 658 5	ND 5	
6.	Stević, M izdavaštv	.: Povećanje tačnosti merenja numeri o. ISBN 86-7892-028-9. Novi Sad. 20	čki upravljanih mernih	mašina, edicija te	ehničke nauke - monografija,	FTN	
7.	Hadžistev 353-361.	vić M., Morača S.: Networks and Qua ISSN 1800-6450	lity Improvement, Inte	rnational Journal	for Quality Research, 2009,	Vol. 3, No 4, pp.	
8.	Lomen, I. Časopis /	, Cvetićanin, L., Hodolič, J., Stević, M Acta Mechanica Slovaca, 2/2002, Roč	.: Softwarova aplikacia cnik 6., pp. 165-168, K	a na určenie hladi ošice, Slovačka, 2	ny hluku v priemyselnych po 2002.	dnikoch,	
9.	Hodolič J Industry, Engineer	., Budak I., Vukelić Đ., Agarski B., Ha 2. International Symposium on Enviro ing in Zenica, University of Zenica, 7-	džistević M.: Less Fo nmental and Material 9 Jun, 2012, pp. 1-15,	rmal Tools for Env Flow Managemer ISBN 978-9958-6	vironmental Management in ht - EMFM, Zenica: Faculty o 17-46-1	Production f Mechanical	
10.	Agarski E and occu 53-56, IS	8., Budak I., Puškar T., Vukelić Đ., Ma pational safety measures in dental pro SN 1821-4932	rković D., Hadžistević osthetics laboratories,	M., Hodolič J.: M Journal of Produc	lulti-criteria assessment of er tion Engineering, 2012, Vol.	nvironmental 15, No 1, pp.	
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		20				
Curre	ent projecte	יוס אשרוס.	9 Domestic ·	2	International ·	2	
		•		-		-	



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name: Hoc			Hodolič J. Ja	Hodolič J. Janko				
Acad	emic title:				Full Professor			
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Te	Faculty of Technical Sciences - Novi Sad		
Starti	ng date:	iald.			06.12.1974	ality Firstern	and Foolegical Engineering Aspects	
Scier	nume or art t		Veer	Institution	wetrology, Q	Jailty, Fixtur	Eigld	
Acad	emic carlee	er	rear	Institution			Field	
Acad	emic title el	ection:	1997	Faculty of Technical Sci	ences - Novi S	ad	Engineering Aspects	
PhD	thesis		1989	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
Magi	ster thesis		1979	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
Bach	elor's thesis	S	1974	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
List c	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	IA018	3D Dig	italization N	lethods		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
2.	P1401	Fixture	Design an	d Measuring Machines		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
3.	P1508	Reverse Engineering and CAQ				( SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
				d Quality		(M40) Teo Undergrad	nnical Mechanics and Technical Design, uate Academic Studies	
4.	F209	Medsu				(P00)Proo Studies	duction Engineering, Undergraduate Academic	
5.	P2617	Planning Methods and Experiment Processing			ing	( P00) Prod Studies	duction Engineering, Undergraduate Academic	
6.	P306	Fixture	S			( P00) Proo Studies	duction Engineering, Undergraduate Academic	
7.	Z207	Mecha	nical Engin	eering in Environmental E	Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	Z207A	Mecha	nical Engin	eering in Environmental E	Engineering	(Z01) Safety at Work, Undergraduate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
9.	Z301	Pollutio	on Measure	ment and Control		(Z20) Environmental Engineering, Undergraduate Academic		
10.	Z416	EMS S	Systems			(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
11.	ZR320	Experi	mental Ana	lysys of Safety and Health	h on	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
12.	ZRI441	Materia protec	al handling	systems for environmenta	al and labor	(Z01) Safety at Work, Undergraduate Academic Studies		
13.	Z207	Mašins naziv r	stvo u inžen na englesko	jerstvu zaštite životne sre m)	edine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
14.	Z416	EMS s	istemi(unet	i naziv na engleskom)		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
15.	ZC036	Measu	rement and	I control of pollution		( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
16.	P1409	Materi	al Control S	systems and CAI		(PM0)Pro	duction Engineering, Master Academic Studies	
17.	P1501	Ecological Technologies and Systems				(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies	
40	DOCOL	T	a alauntur d	Diantia			duction Engineering, Master Academic Studies	
18.	P3501	Tool D	esigning for	r Mastic			duction Engineering, Master Academic Studies	
19.	2416A		nment Prote	ection System Manageme	ent		auction Engineering, Master Academic Studies	
20.	PIP16	Plastic	s and envir	unmental protection	Plastics		duction Engineering, Master Academic Studies	
21.	PLIS1	Processing					Dauction Engineering, Master Academic Studies	

### HASTING OR STUDIO

### UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

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

	ID	Course name		Study programme name, study type			
	8DOM2	Drobability Statistics and Theory of	Engineering	( 700) Environm	antal Engineering Specialize	ad Apadomia	
22.	3DOIVI3 0	Experiment	Engineening	Studies			
23.	SZDH1	Modern Methods of Eco-design		( Z00) Environmental Engineering, Specialised Academic Studies			
24.	SZSP18	Contemporary scientific approaches assessment of products (LCA)	in life cycle	( Z00) Environme Studies	ental Engineering, Specialise	ed Academic	
25.	DM411	Contemporary Approach to Integratic Engineering of Rapid Prototyping, To Virtual Manufacturing	al Engineering, Doctoral Aca	ademic Studies			
			(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies		
26		Probability, Statistics and Theory of	Engineering	(M40) Technica	Mechanics, Doctoral Acade	emic Studies	
20.	DOMOU	Experiment		(200) Environme Studies	ental Engineering, Doctoral /	Academic	
				(Z01) Safety at	Work, Doctoral Academic St	udies	
27.	DP001	Design and Research Methods in Pr Engineering	oduction	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies	
28.	DP006	State and development trends of me fixtures	trology, quality and	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies	
29.	DP013	Ecological Engineering Aspects		(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies	
30.	ZDH1	Modern Methods of Eco-design		( Z00) Environmental Engineering, Doctoral Academic Studies			
31.	ZSP18 Modern Scientific Approaches in Product Life Cycle (Z00) Environmental Engineering, Doctoral Academic Studies						
Representative refferences (minimum 5, not more than 10)							
1.	1. Budak I., Vukelić Đ., Bračun D., Hodolič J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220						
2.	<ol> <li>Bešić I., Van Gestel N., Kruth J., Bleys P., Hodolič J.: Accuracy improvement of laser line scanning for feature measurements on CMM, Optics and Lasers in Engineering, 2011, Vol. 49, No 11. pp. 1274-1280. ISSN 0143-8166</li> </ol>						
3.	Matin I., I Products	Hadžistević M., Hodolič J., Vukelić Đ., , International Journal of Advanced Ma	Lukić D.: A CAD/CAE anufacturing Technolo	E Integrated Inject gy, 2012, Vol. 63,	ion Mold Design System for No. 5-8, pp. 595-607, ISSN	Plastic 0268-3768	
4.	Jakovljev Internatio	ić Ž., Petrović P., Hodolič J.: Contact nal Journal of Advanced Manufacturir	states recognition in rong Technology, 2012,	obotic part mating Vol. 59, No 1-4, p	based on support vector ma p. 377-395, ISSN 0268-3768	achines, 3	
5.	Mrkajić V urban en	., Stamenković M., Maleš M., Vukelić vironment, Carpathian Journal of Eart	Ð., Hodolič J.: Propos h and Environmental S	al for reducing pro Sciences, 2010, V	oblems of the air pollution ar ol. 5, No 1, pp. 49-56, ISSN	nd noise in the 1842-4090	
6.	Vukelić Đ Manufact	., Zuperl U., Hodolič J.: Complex syst uring Technology, 2009, Vol. 45, No 7	em for fixture selection 7-8, pp. 731-748, ISSN	n, modification, ar I 0268-3768	nd design, International Journ	nal of Advanced	
7.	Budak I., Journal o	Hodolič J., Soković M.: Development f Materials Processing Technology, 20	of a programme syste 005, Vol. 162, pp. 730	m for data-point p -735, ISSN 0924-	pre-processing in Reverse Ei 0136	ngineering,	
8.	Agarski E Assignme	., Budak I., Kosec B., Hodolič J.: An A ent, Environmental Modeling & Assess	Approach to Multi-crite sment, 2012, Vol. 17, I	ria Environmental No 3, pp. 255-266	Evaluation with Multiple We 5, ISSN 1420-2026.	eight	
9.	Trifković Accuracy	B., Budak I., Todorović A., Hodolič J., Measurement of Ceramic Crowns, M	Puškar T., Jevremovio easurement Science F	ć D., Vukelić Đ.: A Review, 2012, Vol	opplication of Replica Techni . 12, No 3, pp. 90-97, ISSN	que and SEM in 1335-8871.	
10.	Agarski B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodolič J.: Application of multi-criteria assessment in evaluation of motor vehicles' environmental performances, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330- 3651.						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		42				
Iotal	of SCI(SS	) list papers :	22 Demostia	2	International -	6	
Curre	ent projects	-	3	international :	Ø		



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:			Katić A. Vladimir						
Acad	lemic title:				Full Professor				
Nam	e of the inst	titution w	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				01.10.1978				
Scier	ntific or art f	ield:			Power Electro	onics, Mach	ines and Facilities		
Acad	lemic carlee	er	Year	Institution					
Acad	lemic title e	lection:	2002	Faculty of Technical Sci	ences - Novi S	ad	Power Electronics, Machines and Facilities		
PhD	thesis		1991	School of Electrical Eng	ineering - Beog	irad	Electrical and Computer Engineering		
Magi	ster thesis		1981	School of Electrical Eng	ineering - Beog	irad	Electrical and Computer Engineering		
Bach	elor's thesi	S	1978	Faculty of Technical Sci	ences - Novi S	ad	Electrical and Computer Engineering		
List o	of courses b	eing hei	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	EE305	Power	Electronics	; 1		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	EE308	Power	Electronics	32		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
	740-	<b>_</b>		den Fridare ( 15	- 4 4'	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
3.	2107	Electri	cal Enginee	ering, Environment and Pro-	otection	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
4.	EE0406	Electri	c Power Qu	ality		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
5.	EE431	Renew	able Sourc	es and Small Power Plan	ts	(E10) Pow Engineerin	wer, Electronic and Telecommunication ring, Undergraduate Academic Studies		
6.	EZ300	Clean Electrical Energy Sources				( ZC0) Cle Academic	I Clean Energy Technologies, Undergraduate Imic Studies		
7.	EZ400	Clean Energy Sources Design				( ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
8.	DE209S	Energy Converters in Renewable Energy S			ources	( E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
9.	DE413S	Integra	ation of Dist	ributed Energy Resources	6	( E11) Pow Engineerin	) Power, Electronic and Telecommunication eering, Specialised Academic Studies		
10.	DE505S	Power	Quality in [	Distribution Networks		( E11) Pow Engineerin	1) Power, Electronic and Telecommunication ineering, Specialised Academic Studies		
11.	DE506S	Renew	able Electr	ical Energy Sources		( E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
12.	DE509S	Effects Enviro	s of Power ( nment	Converters on Network an	d	( E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
13.	EE406	Electri	c Power Qu	ality		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
14.	EE509	Market	t and Dereg	ulation in Electric Power I	Industry	(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
15.	S0I51Ž	Electri	cal Substati	on and Electric Traction		( S00) Trat Studies	fic and Transport Engineering, Master Academic		
16.	EE544	Renew	able energ	y sources		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
17.	EE564	Distrib	uted Energ	y Resources		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
18.	ZCM02	Clean	technologie	es for electrical vehicles		( ZC0) Cle Studies	an Energy Technologies, Master Academic		
19.	ZCM08	Renew	able and D	istributed Electrical Energ	y Sources	( ZC0) Cle Studies	an Energy Technologies, Master Academic		
20.	DE108	FACTS Devices and Electric Power Quality				( E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
21.	DE113	Applica	ation of Pov	ver Electronics in Power S	Systems	( E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
22.	DE209	Energy	/ Converter	s in Renewable Power Sc	ources	( E10) Pow Engineerin	er, Electronic and Telecommunication g, Doctoral Academic Studies		

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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Environmental Engineering

t of courses hai	ng hold by the teacher in	the approdited atua	hy program

List o	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study programme name, study type			
23.	DE413	Integration of Distributed Energy Res	sources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			
24.	DE505	Power Quality in Distribution Networ	ks	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			
25.	DE506	Renewable Electrical Energy Source	es	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			
26.	DE509	Effects of Power Converters on Netw Environment	vork and	(E10) Power, Electronic and Telecommunication 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			
27.	SID04	Current State in the Field		(GI0) 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			
				( OM1) Mathematics in Engineering, Doctoral Academic Studies			
				(S00) Traffic Engineering, Doctoral Academic Studies			
				( Z00) Environmental Engineering, Doctoral Academic Studies			
28.	MSID04	Present State in the Field		(M40) Technical Mechanics, Doctoral Academic Studies			
				(A00) Architecture, Doctoral Academic Studies			
29.	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 th	an 10)				
1.	Vladimir I Tehničke	Katić: "Kvalitet električne energije – vi nauke - Monografije, Br. 6, Novi Sad,	ši harmonici", Univerzit 2002., ISBN 86-80249	tet u Novom Sadu - Fakultet tehničkih nauka, Edicija 9-57-2.			
2.	Vladimir I Univerzite	Katić: "Energetska elektronika - Zbirka etski udžbenik, Broj 66, Novi Sad, 199	a rešenih zadataka", Ur 8, tiraž 500 primeraka,	niverzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija , strana 430, Pomoćni udžbenik, ISBN 86-499-0017-8.			
3.	Vladimir I Sadu-Fal udžbenik	Katić, Darko Marčetić, Dušan Graovac kultet tehničkih nauka, Edicija Univerz , ISBN 86-499-0081-X.	: "Energetska elektron itetski udžbenik, Broj 1	ika – Praktikum laboratorijskih vežbi", Univerzitet u Novom 24, Novi Sad, 2000, tiraž 300 primeraka, strana 85, Pomoćni			
4.	<ul> <li>Vladimir Katić, Vlado Porobić, Darko Marčetić: "Primena mikroprocesora u energetici – Praktikum laboratorijskih vežbi", Univerzitet</li> <li>u Novom Sadu-Fakultet tehničkih nauka, Edicija: Tehničke nauke - Udžbenici, Broj 149, Novi Sad, Dec. 2006, tiraž 300 primeraka, etrana 132, Demoćnik, ISPN 66, 7902,012, 0</li> </ul>						
5.	5. Vladimir Katić: "Upravljanje energetskim pretvaračima", Fakultet tehničkih nauka – WUS, Novi Sad, 2006, tiraž 20 primeraka,						
6.	<ul> <li>6. Dušan Graovac, Vladimir Katić, Alfred Rufer: "Power Quality Problems Compensation with Universal Power Quality Conditioning System", IEEE Transaction on Power Delivery, USA, ISSN 0885-8977, Vol.22, No.2, April 2007, pp.968-976</li> </ul>						
7.	<ul> <li>Vladimir Katić, Jovan Knežević, Dušan Graovac: "Application-Oriented Comparison of the Methods for AC/DC Converter</li> <li>Harmonics Analysis", IEEE Transaction on Industrial Electronics, USA, ISSN 0278-0046, Vol.50, No.6, December 2003, pp.1100-1108.</li> </ul>						
8.	8. Vladimir Katić, Dušan Graovac: "A Method for PWM Rectifier Line Side Filter Optimization in Transient and Steady States", IEEE Transaction on Power Electronics, USA, ISSN 0885-8993, Vol.17, No.3, May 2002, pp.342-352.						
9.	Dušan G IEEE Tra	raovac, Vladimir Katić: "On-Line Conti nsaction on Industrial Electronics, US	ol Of Current Source T A, ISSN 0278-0046, Vo	Type Active Rectifier Using Transfer Function Approach", ol.48, No.3, June 2001, pp.526-535.			
10.	Vladimir I Luka (BII	Katić: "Modern Power Electronics Tec I-R.Srpska), Vol.10, No.2, Dec.2006,	hnologies for Wind Pov YU ISSN 1450-5843, p	wer Plants", Invited Paper, Electronics/Elektronika, Banja op.3-9.			
Sur	mmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		122				
Tota	of SCI(SS	CI) list papers :	19				

WTAS STUD		WYKNX M					
AND REAL PROPERTY	FACULTY OF TECHNICAL SCI	STATE OF					
Study Programme Accreditation - PhD Studies							
PLANTER	DOCTORAL ACADEMIC STUDIES	S	En	vironmental Engineering	Ho		
Current projects :		Domestic :	5	International :	1		



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:			Kosec L. Borut					
Acad	lemic title:				Guest Professor				
Nam starti	e of the inst ng date:	itution v	where the te	eacher works full time and	-				
Scier	ntific or art f	ield:			Environment	Protection E	Ingineering		
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	ection:	2009	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering		
PhD	thesis		1998	University of Ljubljana -	Ljubljana		Metallurgical Engineering		
Magi	ster thesis		1993	University of Ljubljana -	Ljubljana		Metallurgical Engineering		
Bach	elor's thesis	S	1989	University of Ljubljana -	Ljubljana		Metallurgical 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 programme name, study type			
1.	Z309A	Solid V	Vaste Mana	agement		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
				•		Studies			
2.	Z309A	Upravl	janje čvrstii	m otpadom(uneti naziv na	engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
3.	Z508	Specif	ic Design C	onditions in Environment	Protection	(Z20) Envi	ronmental Engineering, Master Academic Studies		
4.	ZR501	Hazaro	dous Mater	als and Hazardous Waste	;	(Z01) Safe	ety at Work, Master Academic Studies		
5.	Z508	Specifi	ični uslovi p e(uneti nazi	vrojektovanja u zaštiti živo v na engleskom)	tne	(Z20) Envi	ronmental Engineering, Master Academic Studies		
6.	GH508	Landfil	I desing an	d municipal waste treatma	ant systems	(G00) Civil	il Engineering, Master Academic Studies		
7.	SZDH1	Modern Methods of Eco-design				( Z00) Env Studies	ironmental Engineering, Specialised Academic		
8.	SZSP09	Remediation of contaminated locations				( Z00) Environmental Engineering, Specialised Academic Studies			
9.	SZSP18	Contemporary scientific approaches in life c assessment of products (LCA)			cycle	( Z00) Environmental Engineering, Specialised Academic Studies			
10.	SZSP21	1 Design and Planning Processes to Minimize Hazardous Materials			e Waste and	( Z00) Environmental Engineering, Specialised Academic Studies			
11.	ZR406A	Syster Health	n Regulatio and Safety	ns and EU Practice in Oc	cupational	(Z01) Safety at Work, Master Academic Studies			
12.	ZDH1	Moder	n Methods	of Eco-design		( Z00) Environmental Engineering, Doctoral Academic Studies			
13.	ZSP09	Reme	diation of C	ontaminated Sites		(Z00) Env Studies	ironmental Engineering, Doctoral Academic		
14.	ZSP18	Moder Asses	n Scientific sment (LCA	Approaches in Product Li	fe Cycle	( Z00) Env Studies	ironmental Engineering, Doctoral Academic		
15.	ZSP20	Systemic Regulation of Environment				( G00) Civi	il Engineering, Doctoral Academic Studies		
		<b>.</b> .				( OM1) Mathematics in Engineering, Doctoral Academic Studies			
16.	ZSP21	Design and Planning Processes to Minimize W Hazardous Materials			e waste and	( Z00) Environmental Engineering, Doctoral Academic Studies			
						(Z01) Safe	ety at Work, Doctoral Academic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.	Nagode, electric st	A., Klan tove, En	čnik, G., So gineering F	chwarczova, H., Kosec, B. ailure Analysis 23, pp. 82	., Gojić, M., Ko -89, 2012, ISS	sec, L.: Ana N 1350-630	lyses of defects on the surface of hot plates for an 7.		
2.	Agarski, I Assignme	B., Buda ent, Env	ak, I., Koseo ironmental	c, B., Hodolic, J.: An Appro Modeling and Assessmen	bach to Multi-cr tt 17 (3), pp. 25	iteria Enviro 5-266, 2012	onmental Evaluation with Multiple Weight 2, ISSN 1420-2026.		
3.	Antić, A., vibrations	Petrovi , Mater	ć, P.B., Zelj ials and Te	ković, M., Kosec, B., Hod chnology 46 (3), pp. 279-2	olič, J.: The infl 285, 2012, ISSI	uence of too N 1580-2949	ol wear on the chip-forming mechanism and tool 9.		
4.	Klobčar, 53, 2012,	D., Kose ISSN 1	ec, L., Kose 350-6307.	c, B., Tušek, J.: Thermo f	atigue cracking	of die casti	ng dies, Engineering Failure Analysis 20, pp. 43-		
5.	Kosec, B quenchin	., Karpe g of plai	, B., Nagod netary shaf	e, A., Budak, I., Ličen, M. s, Metalurgija 51 (1) , pp.	, Dordević, M., 71-74, 2012, I	Kosec, G.: SSN 0543-5	Efficiency and quality of inductive heating and 846.		

ASITAS STUDIO		UNIVERSITY OF NOVI SAD							
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
27	Const States	Study Programme Accreditation - PhD Studies							
601	LANTEN	DOCTORAL ACADEMIC STUDIE	S	Er	vironmental Engineering	HO8.			
Rep	presentative re	efferences (minimum 5, not more th	an 10)						
6.	<ul> <li>Jevremovic, D., Puskar, T., Kosec, B., Vukelic, D., Budak, I., Aleksandrovic, S., Egbeer, D., Williams, R.: The analysis of the mechanical properties of F75 Co-Cr alloy for use in selective laser melting (SLM) manufacturing of removable partial dentures (RPD), Metalurgija 51 (2), pp. 171-174, 2012, ISSN 0543-5846.</li> </ul>								
7.	7. Kores, S., Vončina, M., Kosec, B., Medved, J.: Formation of ALFeSi phase in ALSi12 alloy with Ce addition, Metalurgija 51 (2), pp. 216-220, 2012, ISSN 0543-5846.								
8.	<ul> <li>Česnik, D., Bratuš, V., Kosec, B., Bizjak, M.: Distortion of ring type parts during fine-blanking, Metalurgija 51 (2), pp. 157-160, 2012, ISSN 0543-5846.</li> </ul>								
9.	9. Gojić, M., Nagode, A., Kosec, B., KoŽuh, S., Šavli, Š., Holjevac-Grgurić, T., Kosec, L.: Failure of steel pipes for hot air supply, Engineering Failure Analysis 18 (8), pp. 2330-2335, 2011, ISSN 1350-6307.								
10.	Kovačević, D., Budak, I., Antić, A., Kosec, B.: Special finite elements: Theoretical background and application, Tehnicki Vjesnik - Technical Gazette, 18 (4), pp. 649-655, 2011, ISSN 1330-3651.								
Sur	nmary data fo	r teacher's scientific or art and profe	essional activity:						
Quot	ation total :		93						
Tota	of SCI(SSCI)	list papers :	39						
Curre	ent projects :		Domestic :	1	International :	1			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:			Kostić Z. Marko						
Academic title:			Associate Professor						
Name of the institution where the teacher works full time and			Faculty of Tee	chnical Scie	nces - Novi Sad				
starti	ng date:				15.10.1999				
Scier	ntific or art f	ield:			Mathematics				
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	lection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics		
PhD	thesis		2004	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Magi	ster thesis		2001	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Bach	elor's thesis	S	1999	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 I			
	ID	Course	e name			Study pro	gramme name, study type		
1.	E121	Mathe	matical Ana	lysis 2		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	E135B	Mathe	matical Ana	Ilysis 2		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
3.	E212	Mathe	matical Ana	llysis 1		( SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						( SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
4.	EOS07	Mathe	matics 2			( E01) Pow Energy, Ur	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies		
5.	F101	Mathematics				( F00) Gra Academic	F00) Graphic Engineering and Design, Undergraduate cademic Studies		
6.	GI107	Mathematical Analysis 1				( GI0) Geo Studies	I0) Geodesy and Geomatics, Undergraduate Academic Idies		
						( M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies		
_						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
7.	M106	Mathe	matics 2			(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies		
						( P00) Production Engineering, Undergraduate Academic Studies			
8.	M4202	Applie	d Mathema	tical Analysis		(M40) Teo Undergrad	M40) Technical Mechanics and Technical Design, Indergraduate Academic Studies		
9.	ISIT06	Matem	atika 2			( SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
10.	0M501	Functio	onal Analys	is		( OM1) Mathematics in Engineering, Master Academic Studies			
11.	0ML501	Functional Analysis				( OM1) Ma Studies	thematics in Engineering, Master Academic		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
						(112) Industrial Engineering, Specialised Academic Studies			
12. DZ01MS		Selected Chapters in Mathematics				(122) Engineering Management, Specialised Academic Studies			
					( Z00) Env Studies	ironmental Engineering, Specialised Academic			
13.	Z506	20BAd	lvanced Co	urse in Mathematics 1		(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
						(Z20) Envi	ronmental Engineering, Master Academic Studies		
14.	Z506	Viši ku	rs matemat	ike 1(uneti naziv na engle	skom)	(Z20) Envi	ronmental Engineering, Master Academic Studies		
15.	D0M01	Function	onal Analys	is 1		( OM1) Mathematics in Engineering, Doctoral Academic Studies			

# SITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

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

ID	Course name		Study programme name, study type		
D0M19	Functional Analysis 2		( OM1) Mathematics in Engineering, Doctoral Academic Studies		
DZ01M	Selected Chapters in Mathematics		<ul> <li>(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies</li> <li>(E20) Computing and Control Engineering, Doctoral Academic Studies</li> <li>(F00) Graphic Engineering and Design, Doctoral Academic Studies</li> <li>(F20) Engineering Animation, Doctoral Academic Studies</li> <li>(G00) Civil Engineering, Doctoral Academic Studies</li> <li>(G00) Geodesy and Geomatics, Doctoral Academic Studies</li> <li>(H00) Mechatronics, Doctoral Academic Studies</li> <li>(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies</li> <li>(M00) Mechanical Engineering, Doctoral Academic Studies</li> <li>(M40) Technical Mechanics, Doctoral Academic Studies</li> <li>(OM1) Mathematics in Engineering, Doctoral Academic Studies</li> <li>(S00) Traffic Engineering, Doctoral Academic Studies</li> <li>(Z00) Environmental Engineering, Doctoral Academic Studies</li> </ul>		
presentative	refferences (minimum 5, not more th	an 10)	(201) Salety at work, Doctoral Academic Studies		
Kostić, M	arko, Distribution cosine functions. Ta	iwanese J. Math. 10 (2	2006), no. 3, 739775.		
Kostić M	arko,On analytic integrated semigroup	os. Novi Sad J. Math. 3	35 (2005), no. 1, 127135.		
Kostić M (2003), 7	arko,Convoluted \$C\$-cosine functions 592.	s and convoluted \$C\$-	semigroups. Bull. Cl. Sci. Math. Nat. Sci. Math. No. 28		
Kostić Ma	arko, On a class of quasi-distribution s	emigroups, Novi Sad	J. Math 36 (2), 137-152		
M. Kostić Journal o	, P. J. Miana, Relations between distr f Mathematics 11 (2007), 531543.	bution cosine function	s and almost-distribution cosine functions, Taiwanese		
M. Kostić	, S. Pilipović, Global convoluted semi	groups, accepted in M	ath. Nachr.		
M. Kostić, S. Pilipović: Convoluted C-cosine functions and semigroups. Relations with ultradistribution and hyperfunction sines, accepted in J. Math. Anal. Appl.					
M. Kostić	: Complex powers of operators, accep	ted in Publications De	"I Institute Mathematique		
M. Kostić	:: C-Distribution semigroups, Studia M	ath. 185 (2008), 201	217.		
M. Kostić	: Convoluted operator families and ab	stract Cauchy problem	s, accepted in Kragujevac Journal of Mathematics		
nmary data	for teacher's scientific or art and profe	essional activity:			
ation total :		32			
of SCI(SS	CI) list papers :	15			
	DUDUDIN DOM19 DZ01M DZ01M DZ01M Kostić M Kostić M Kostić Journal o M. Kostić M. Kostić	ID       Course name         D0M19       Functional Analysis 2         DZ01M       Selected Chapters in Mathematics         DZ01M       Selected Chapters in Mathematics         Dzostative refferences (minimum 5, not more the Kostić, Marko, Distribution cosine functions. Ta Kostić Marko, On analytic integrated semigroup Kostić Marko, On analytic integrated semigroup Kostić Marko, On a class of quasi-distribution s         M. Kostić, P. J. Miana, Relations between distri Journal of Mathematics 11 (2007), 531543.         M. Kostić, S. Pilipović: Convoluted C-cosine functions in Journal of Mathematics 11 (2007), 531543.         M. Kostić: C-Distribution semigroups, Studia M M. Kostić: Convoluted operator families and ab mmary data for teacher's scientific or art and profeation total :         of SCI(SSCI) list papers :	ID       Course name         D0M19       Functional Analysis 2         DZ01M       Functional Analysis 2         DZ01M       Selected Chapters in Mathematics         DzotiM       Selected Chapters in Mathematics         presentative refferences (minimum 5, not more than 10)         Kostić, Marko, Distribution cosine functions. Taiwanese J. Math. 10 (2         Kostić Marko, On analytic integrated semigroups. Novi Sad J. Math. 3         Kostić Marko, On a class of quasi-distribution semigroups, Novi Sad .         M. Kostić, P. J. Miana, Relations between distribution cosine function journal of Mathematics 11 (2007), 531–543.         M. Kostić, S. Pilipović, Global convoluted semigroups, accepted in Math. Anal. Appl.         M. Kostić: Complex powers of operators, accepted in Publications De         M. Kostić: Convoluted operator families and abstract Cauchy problem         mmary data for teacher's scientific or art and professional activity: ation total :       32         of SCI(SSCI) list papers :       15		



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name: Kovač P. Pav			rel					
Academic title: Full Profess			Full Professo	r				
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
startı	ng date:				01.12.1975			
Scier	ntific or art f	eld:			Processes for	r Material Re	emoval Processing	
Acad	emic cariee	er	Year	Institution				
Acad	emic title el	ection:	1998	Faculty of Technical Scie	ences - Novi Sa	ad	Processes for Material Removal Processing	
PhD	thesis		1987	Faculty of Technical Scie	ences - Novi Sa	ad	Processes for Material Removal Processing	
Magi	ster thesis		1980	Faculty of Technical Scie	ences - Novi Sa	ad	Processes for Material Removal Processing	
Bach	elor's thesis	3	1975	Faculty of Technical Scie	ences - Novi Sa	ad	and Automatization Processes Design	
List c	of courses b	eing he	d by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	P1406	Theory	of Machini	ng Processes		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
2.	P1507	Inovati	onal Techn	ologies		( P00) Proo Studies	duction Engineering, Undergraduate Academic	
3.	P208	Techn	ology for Cu	utting Processing		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
4.	P2617	Plannii	ng Methods	and Experiment Process	ing	(P00)Proo Studies	duction Engineering, Undergraduate Academic	
5.	P305	Nonco	nventional l	Procedures in Processing		(P00) Production Engineering, Undergraduate Academic Studies		
6.	P4410	Design and Product Functionality				(P00)Proo Studies	duction Engineering, Undergraduate Academic	
7.	ZR320	Experimental Analysys of Safety and Health on Workplace			n on	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
8.	P316A	Technology for Microcutting Processes				( P00) Proo Studies	duction Engineering, Undergraduate Academic	
9.	P1501	Ecological Technologies and Systems				(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies		
10	D1505	Modoll	ing and Sin	ulation in Processing		(PM0) Production Engineering, Master Academic Studies		
10.	P1500	Highly	Productive	Processing		(PM0) Pro	duction Engineering, Master Academic Studies	
12	P3502	Mold a	nd die mac	hining technology		(PM0) Pro	duction Engineering, Master Academic Studies	
13	PIP16	Plastic	s and envir	onmental protection		(PM0) Pro	duction Engineering, Master Academic Studies	
14.	PP101	Intelia	ent Forming	Processes		(PM0) Pro	duction Engineering, Master Academic Studies	
4-	SDOM3	Probat	oility. Statist	tics and Theory of Engine	erina	(Z00) Env	ironmental Engineering. Specialised Academic	
15.	0	Experi	ment	, 0		Studies		
						( M00) Me	chanical Engineering, Doctoral Academic Studies	
	5 0 1 10 0	Probat	oility. Statist	tics and Theory of Engine	erina	( M40) Teo	hnical Mechanics, Doctoral Academic Studies	
16.	DOM30	Experi	ment	J	5	(Z00) Environmental Engineering, Doctoral Academic		
					Juules			
	DESS	Design and Research Methods in Production			n.	(M00) Ma	chanical Engineering Doctoral Academic Studies	
17.	DP001	Engineering				(1000) 1000		
18.	DP002	State a	and Trend in	n Forming by Material Rer	noval	( M00) Me	chanical Engineering, Doctoral Academic Studies	
19.	DP009	Remov	a meiligen /al	e Application in Forming	by material	( M00) Me	chanical Engineering, Doctoral Academic Studies	
20.	DP013	Ecolog	ical Engine	ering Aspects		( M00) Me	chanical Engineering, Doctoral Academic Studies	
21.	DP020	State a	and Tenden	cies in Development of U	nconventional	( M00) Me	chanical Engineering, Doctoral Academic Studies	
22.	DP021	Selecte Materia	ed Chapters al Removal	s in Micro and Nano Form	ing by	( M00) Mee	chanical Engineering, Doctoral Academic Studies	
Rep	oresentative	reffere	nces (minim	num 5, not more than 10)				
1.	1. Kovač P., Milikić D.:Rezanje metala, Univerzitet u Novom Sadu, 1998							

c	TAS STUR	UNIVERSITY OF NOVI SAD							
INES OF	NULL STOR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
NU .NEO	ANTEN ST		me Accredit	ation - Phl	D Studies	HOBH TO BE			
Re	presentative r	efferences (minimum 5, not more th	an 10)			-			
2.	<ol> <li>Kovač P., Milikić D., Gostimirović M., Sekulić M., Savkovic., B.: Zbirka zadataka iz tehnologije obrade rezanjem , Fakultet tehničk nauka, Novi Sad, 2011.</li> </ol>								
3.	Kovač Pave	el, Metode planiranja i obrade ekspe	erimenata, FTN Novi S	ad, 2011					
4.	Kovač P. :	Podloge za upravljanje procesom če	eonog glodanja, FTN,	IPM, Novi Sad, 1	988				
5.	5. Kovač P.: Modeliranje procesa obrade-faktorni planovi eksperimenta, Fakultet tehničkih nauka, Novi Sad, 2006								
6.	6. Kovač P.: Teorija obradnih procesa -praktikum za vežbe, Fakultet tehničkih nauka , Novi Sad, 2007								
7.	Kovač P., Rodić D., Pucovsky V., Savković B., Gostimirović M.: APPLICATION OF FUZZY LOGIC AND REGRESSION 7. ANALYSIS FOR MODELING SURFACE ROUGHNESS IN FACE MILLIING, Journal of Intelligent Manufacturing, 2012, ISSN 0956-5515. UDK: DOI 10.1007/s10845-012-0623-z								
8.	Šiđanin L., Kovač P.: Fracture mechanisms in chip formation processes, Materials Science and Technology, Vol. 13, 1997, pp. 439-444								
9.	. Pavel Kovač, Zuzana Palkova, Proizvodno mašinstvo i obnovljivi izvori energije, FTN Novi Sad 2011								
10.	0. Kovač P., Šiđanin L.: Investigation of chip formation during milling, Int. J. Production Economic, 51, 1997, pp. 149-153								
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:						
Quo	tation total :		7						
Tota	I of SCI(SSCI)	) list papers :	15	-	i				
Curr	ent projects :		Domestic :	1	International :	7			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:			Kovačević M. Ilija					
Academic title:			Kovacevic M. IIIja					
Name of the institution where the teacher works full time and			Faculty of Te	chnical Scie	nces - Novi Sad			
starti	ng date:				01.09.1972			
Scier	ntific or art f	ield:			Mathematics			
Acad	lemic carie	er	Year	Institution			Field	
Acad	lemic title e	lection:	1990	Faculty of Technical Sci	ences - Novi S	ad	Mathematics	
PhD	thesis		1979	Faculty of Mathematics	- Beograd		Mathematical Sciences	
Magi	ster thesis		1975	Faculty of Mathematics	- Beograd		Mathematical Sciences	
Bach	elor's thesis	s	1971	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List o	of courses b	eina he	ld by the tea	acher in the accredited stu	udv programme	s	L	
			,		<u> </u>			
	ID	Course	e name			Study pro	ogramme name, study type	
						( E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E212	Mathe	matical Ana	Ilysis 1		( SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						( SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
2	EE204	Soloct	od Chantor	s in Mathomatics		( MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
۷.	LL204	5000		sin mainematics		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
		N 4 - 41		have a		( ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
3.	E102	Mathematical Analysis 1				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
4.	E102A	Mathematical Analysis 1				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
5.	IM1423	Financial Mathematics				(I20) Engineering Management, Undergraduate Academic Studies		
6.	0M501	Function	onal Analys	is		( OM1) Mathematics in Engineering, Master Academic Studies		
7.	0ML501	Function	onal Analys	is		( OM1) Mathematics in Engineering, Master Academic Studies		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication Ig, Specialised Academic Studies	
						( 112) Indu	strial Engineering, Specialised Academic Studies	
8.	DZ01MS	Select	ed Chapter	s in Mathematics		(I22) Engineering Management, Specialised Academic Studies		
						( Z00) Env Studies	ironmental Engineering, Specialised Academic	
0	1004/8	Statiat	ical Quantit	ativo Mothodo		(I20) Engi Studies	neering Management, Specialised Professional	
9.	1004/3	Statistical Quantitative Methods			(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		
10.	GS012	Selected Chapters in Mathematics			(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic		
11.	MPK001	Statistical and Numerical Methods			( MPK) lnž naziv na e	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
12.	SDOM3 0	Probability, Statistics and Theory of Engine Experiment			ering	( Z00) Env Studies	ironmental Engineering, Specialised Academic	
13.	D0M01	Function	onal Analys	is 1		( OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
14.	D0M19	Functio	onal Analys	is 2		( OM1) Ma Studies	thematics in Engineering, Doctoral Academic	

# SITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

List of courses	heing held h	, the teacher i	n the accredited	study programmes
	being neiu b		in the accieuteu	sluuy programmes

	ID	Course name	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Study programi	me name, study type			
					al Frazina arian Destand As	adamia Chudiaa		
				(M40) Technica	ai Engineening, Doctoral Acad			
ID         15.       ID         15.       ID         16.       I         16.       I         16.       I         16.       I         16.       I         17.       I         18.       I         19.       I         10.       I         11.       I         11.       I         11.       I         11.       I         11.       I         12.       Int         13.       Int         14.       Int         15.       Int         16.       Int         17.       Int         18.       Int	DOM30	Probability, Statistics and Theory of I Experiment	Engineering	(Z00) Environmental Engineering, Doctoral Academic				
				(Z01) Safety at Work. Doctoral Academic Studies				
				(E10) Power, El	ectronic and Telecommunic	ation		
				Engineering, Do	ctoral Academic Studies			
				(E20) Computin Academic Studie	g and Control Engineering, l es	Doctoral		
				( F00) Graphic E Studies	ngineering and Design, Doc	toral Academic		
				(F20) Engineeri	ng Animation, Doctoral Acad	demic Studies		
				( G00) Civil Engi	neering, Doctoral Academic	Studies		
				(GI0) Geodesy a	and Geomatics, Doctoral Ac	ademic Studies		
10	DZOANA			(H00) Mechatro	nics, Doctoral Academic Stu	idies		
16.	DZ01M	Selected Chapters in Mathematics		(I20) Industrial E Doctoral Acaden	Engineering / Engineering M nic Studies	anagement,		
				(M00) Mechanic	cal Engineering, Doctoral Ac	ademic Studies		
				(M40) Technica	I Mechanics, Doctoral Acade	emic Studies		
				( OM1) Mathematics in Engineering, Doctoral Academic Studies				
				(S00) Traffic En	gineering, Doctoral Academ	ic Studies		
				( Z00) Environm	ental Engineering, Doctoral	Academic		
				(Z01) Safety at	Work, Doctoral Academic St	tudies		
Rep	resentative	refferences (minimum 5, not more the	an 10)					
1.	I.Kovačev	vić, Some properties of Mn subsets ar	nd almost closed mapp	pings, Indian J.pu	re appl. Math., 27(9), 1996.,	875-881.		
2.	I.Kovačev mathema	vić, On almost closed mapping, paraco tics,25(9), 1994., 949-954.	ompactness and partia	al equivalence rel	atuions, Indian Journal of Pເ	ure and Applied		
3.	I.Kovačev of Pure a	vić, On alfa-Hausdorff subsets, almost nd Applied mathematics 20 (4) 1989.,	closed mappings and 334-340.	l almost upper se	micontinuous decompositior	n, Indian Jurnal		
	Kiurski J.	, Oros I., Ralević N., Kovačević I., Ada	amović (Majkić) S., Krs	stić J., Čomić L.:	Cluster and principal compo	nent analysis in		
4.	the asses 23, ISSN	sment of fountain solution quality, Ca 1842-4090	rpathian Journal of Ea	rth and Environm	ental Sciences, 2013, Vol. 8	3, No 1, pp. 19-		
5.	N. Adžić, 299.	I. Kovačević, V. Marić, V. Ungar, Mate	ematička analiza 2, F⊺	ΓN (Edicija tehnič	ke nauke-udžbenici), Novi S	Sad, 1996., 1-		
6.	I. Kovače izdanje)2	vić, N. Ralević, Funkcionalna analiza, 004., 1-203.	FTN (Edicija tehničke	e nauke-udžbenici	i), Novi Sad, (Ponovljeno i do	opunjeno		
7.	I. Kovače .(Ponovlie	vić, N. Ralević, B.Carić,V.Marić,M.No eno i dopunieno izdanie). FTN (Edicija	vković,S.Medić,Matem tehničke nauke-udžt	natička analiza 1- penici) Novi Sad. (	uvodni pojmovi i granični pr 2012.1-155.	ocesi		
8.	I.Kovačev diferencii	vić, V.Marić, M.Novković, B.Carić, N.R alne jednačine (Ponovlieno i dopunier	Ralević,S.Medić, Mater no izdanje),FTN (Edicij	natička analiza 1 ja tehničke nauke	- diferencijalni i integralni ra e-udžbenici). Novi Sad 2012	ačun, obične 1-280.		
9.	I. Kovače	vić, Algebra, Naučna knjiga, Beograd	, 1990., 1-116.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,		
10.	M.Novko Sad (Por	vić,B.Carić,I.Kovačević, Zbirka rešenih novljeno i dopunjeno izdanje) 2012 1	n zadataka iz verovatn -169.	oće i statistike, F	TN (Edicija tehničke nauke-	udžbenici), Novi		
Sun	nmary data	for teacher's scientific or art and profe	essional activity:					
Quota	ation total :		28					
Total	of SCI(SS	CI) list papers :	7					
Curre	ent projects	:	Domestic :	3	International :	2		



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	e and last n	ame:			Kozmidis-Luburić F. Uranija			
Acad	lemic title:				Full Professor			
Nam	e of the inst	titution v	where the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:				01.09.1975			
Scier	ntific or art f	ield:	X	1 00 0	Physics			
Acad	Academic caneer Year Institution							
Acad	lemic title el	lection:	2000	Faculty of Technical Scie	ences - Novi Sa	ad	Physics	
PhD	thesis		1988	Faculty of Sciences - No	ovi Sau		Physical Science	
Roch	ster thesis		1900	Faculty of Sciences No	yiau		Physical Science	
List		s oing bol	1974	Faculty of Sciences - No			Filysical Science	
LISU						.5		
	ID Course name				Study pro	gramme name, study type		
1	E102	Dhucio				(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
1.	E103	Physic	5			( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
2.	EOS06	Physic	s			(E01) Pow	ver Engineering - Renewble Sources of Electrical	
						(S00) Traf	fic and Transport Engineering, Undergraduate	
3.	S014 Physics					Academic (S01) Pos	Studies tal Traffic and Telecommunications,	
		404 Architectural Dhusica				Undergrad	uate Academic Studies	
4.	A401					(AUU) Architecture, Undergraduate Academic Studies		
						Engineerin	g, Specialised Academic Studies	
_			Selected Chapters in Physics			( I12) Indu	strial Engineering, Specialised Academic Studies	
5.	DZ01FS	Select				(I22) Engi Studies	neering Management, Specialised Academic	
						( Z00) Environmental Engineering, Specialised Academic Studies		
						( E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies	
						(E20) Computing and Control Engineering, Doctoral Academic Studies		
						( F00) Gra Studies	phic Engineering and Design, Doctoral Academic	
						(G00) Civil Engineering, Doctoral Academic Studies		
						( GI0) Geo	desy and Geomatics, Doctoral Academic Studies	
						( H00) Med	chatronics, Doctoral Academic Studies	
6.	DZ01F	Select	ed Chapters	s in Physics		(I20) Indus Doctoral A	strial Engineering / Engineering Management, cademic Studies	
						( M00) Me	chanical Engineering, Doctoral Academic Studies	
						( M40) Tec	hnical Mechanics, Doctoral Academic Studies	
						( OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
						(S00) Traf	fic Engineering, Doctoral Academic Studies	
						(Z00) Env	ironmental Engineering, Doctoral Academic	
						(Z01) Safe	ety at Work, Doctoral Academic Studies	
Rep	oresentative	e reffere	nces (minim	num 5, not more than 10)				
1.	U.F.Kozn CRYSTA	nidis-Lul LS". Ph	burić and B vsica B 112	.S.Tošić, "NON-LINEAR ( , 331(1982)	OPTICAL EFFE	CTS AND 1	THE DIELECTRIC PROPERTIES OF	
2.	D.Mirjani	ć, U.F.K		ourić, M.M.Marinković and	d B.S.Tosić, "C		EFFECT OF EXCITION-EXCITION AND	
3	U.F. Kozi	midis-Lu	iburić and E	B.S. Tošić, "KINEMATICAI		N OF OPTI	CAL EXCITATION AND CONSEQUENCES",	
<b>.</b>	Physica A	Գ 153, 2	66(1988)					

ATAS STUR			UNIVERSITY OF NO	VI SAD		UNKHX M				
IVE.	NOU BOR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6								
ND. NEO	2000 × 20000 × 200000 × 200000000	Study Programme Accreditation - PhD Studies								
	LANTER	DOCTORAL ACADEMIC STUDIE	S	Er	vironmental Engineering	- 6				
Representative refferences (minimum 5, not more than 10)										
4.	LJ. Budinsk SQUARE L	ki-Petković and U.Kozmidis-Luburić, ATTICE", Psysica A 236, 211(1997	, "J AMING CONFIGU )	RATIONS FOR IF	RREVERSIBLE DEPOSITIC	ON ON A				
5.	5. Lj. Budinski-Petković and U. Kozmidis-Luburić, "RANDOM SEQUENTIAL ADSORPTION ON A TRIANGULAR LATTICE", Psysica Review E 56, 6904(1997)									
6.	<ul> <li>V.Sajfert, B.S.Tošić, M.Marinković and U.F.KOZMIDIS-LUBURIĆ, "SURFACE DEFORMATION IN FILMS AND EXCITON CONCETRATION", Physica A 166, 430(1990)</li> </ul>									
7.	B.S.Tošić, I STRUCTUI CHARACT	LJ.Mašković, U. F. KOZMIDIS-LUBL RE TO THE STATISTICALLY EQUI ERISTICS OF THE DEFORMED S	JRIĆ, V.Jovovic and G VALENT IDEAL STRU TRUCTURE", Physica	. Davidovic, "Trai JCTURE AND AN A 216, 478(1995	nsition FROM THE DEFOR NESTIMATE OF THE BASI )	MED S PHYSICAL				
8.	V.Jovović, HETEROG	G.Davidović, B.S.Tošić,Lj.Mašković ENEOUS STRUCTURES", Physica	, U.F.KOZMIDIS-LUB A 223,263(1996)	JRIĆ and D.Ćirić,	"MASS DISTRIBUTION IN					
9.	Lj. Budinsk SEGMENT	i-Petković and U. KOZMIDIS-LUBU S ON A SQUARE LATTICE", Physi	RIĆ, "IRREVERSIBLE ca A 245,261(1997)	DEPOSITION O	N DISORDERED SUBSTR	ATES: LINE				
10.	Lj. Budinsk WALKS ON	i-Petković and U. KOZMIDIS-LUBU I A SQUARE LATTICE", Physica A	RIĆ, "IRREVERSIBLE 262,388(1999)	DEPOSITION O	F DIRECTED SELF-AVOID	ING RANDOM				
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:							
Quot	tation total :		68							
Tota	I of SCI(SSCI)	) list papers :	23		1					
Curr	ent projects :		Domestic :	1	International :	0				



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Kazmidia Datraviá E. Ana				
Name and last name:					Kozmidis-Petrović F. Ana				
Acad	lemic title:				Full Professo	ſ			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Tee	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.09.1975				
Scier	ntific or art f	ield:			Physics				
Acad	lemic caries	er	Year	Institution			Field		
Academic title election: 1997 Faculty of Technical So				Faculty of Technical Science	ences - Novi Sa	ad	Physics		
PhD	thesis		1984	Faculty of Sciences - No	ovi Sad		Physics		
Magi	ster thesis		1980	Faculty of Mathematics	- Beograd		Physical Science		
Bach	elor's thesis	S	1972	Faculty of Sciences - No	ovi Sad		Physical Science		
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		
						( E10) Pow	ver, Electronic and Telecommunication		
1.	1. E103 Physics				Engineerin	g, Undergraduate Academic Studies			
					(MR0) Measurement and Control Engineering,				
2.	GG06	Civil Engineering Physics				(GOO) Civi	I Engineering, Undergraduate Academic Studies		
						(M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies		
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
3.	M101	Techn	ical Physics	3		(M40) Tec Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		
						(P00) Prod	duction Engineering, Undergraduate Academic		
						Studies			
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
4.	ZR440	Influen	ice of radiat	ion on health and occupa	tional safety	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
5.	ZC008	Techn	ical physics			(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
						( 112) Indus	strial Engineering, Specialised Academic Studies		
6.	DZ01FS	Select	elected Chapters in Physics			(I22) Engi	neering Management, Specialised Academic		
						( Z00) Env Studies	ironmental Engineering, Specialised Academic		
7.	SZD017	Solid N	Aaterials in	the Environment		( Z00) Env Studies	ironmental Engineering, Specialised Academic		

51	TAS STUD	UNIVERSITY OF NOVI SAD							
ANN A	NOU NO R	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	STATE OF			
23		Study Program	me Accredita	ation - Phl	D Studies	Cold Party			
6	LANTENS	DOCTORAL ACADEMIC STUDIE	S	Er	vironmental Engineering	A HOB			
List o	of courses b	eing held by the teacher in the accred	lited study programme	S					
	ID	Course name		Study program	me name, study type				
				(E10) Power, El Engineering, Do	lectronic and Telecommuni ctoral Academic Studies				
				Academic Studie	ig and Control Engineering es				
				(F00) Graphic E Studies	ngineering and Design, Do	octoral Academic			
				(G00) Civil Eng	ineering, Doctoral Academ	ic Studies			
				(GI0) Geodesy	and Geomatics, Doctoral A	cademic Studies			
8.	DZ01F	Selected Chapters in Physics		( 120) Industrial I	Engineering / Engineering I	Management,			
				(M00) Mechanic	cal Engineering, Doctoral A	cademic Studies			
				(M40) Technica	I Mechanics, Doctoral Acad	demic Studies			
				( OM1) Mathema Studies	atics in Engineering, Docto	ral Academic			
				( S00) Traffic Engineering, Doctoral Academic Studies					
				( Z00) Environm Studies	ental Engineering, Doctora	I Academic			
				(Z01) Safety at	Work, Doctoral Academic	Studies			
9.	FDS141	Selected Chapters in Colour Manag	ement	(F00) Graphic Engineering and Design, Doctoral Academic Studies					
10.	ZD017	Solid Materials in the Environment		( Z00) Environm Studies	ental Engineering, Doctora	I Academic			
Rep	presentative	e refferences (minimum 5, not more th	an 10)						
1.	D. M. Pet methylthi	trović, A. F. Petrović, V. M. Leovac, S osemicarbazone, Journal of Thermal	. R. Lukić: Thermal de Analysis, 42, 1165-11	composition of Cu 70, 1994.	u(II) complexes with salicyla	adehyde S-			
2.	S.R. Luki glasses, .	ć, D. M. Petrović, A. F. Petrović, F. Sl Journal of Materials Science Lett., 15	kuban, I.I. Turyanitsa:	Tendency toward	s crystallization of Ge-As-T	e system			
3.	A. F. Petr Thermal ( 879-886,	rović, S. R. Lukić, D. M. Petrović, E. Z decomposition of Cobalt(II) complexe	. Ivegeš, V. M. Leovac s with 3(5)-amino-4-ac	: Metal complex etyl 5(3) mathylp	with pyrazole derived ligand yrazole, Journal of Therma	ds. Part IV. I Analysis, 47,			
4.	S. R. Luk Solids, 24	ić, D. M. Petrović, A. F. Petrović: Effe 41, 74-77, 1998.	ct of copper on condu	ctivity of amorpho	ous AsSeylz, Journal of Nor	n-Crystalline			
5.	S. R. Luk Ligands. MetOrg.	ić, V. M. Leovac, A. F. Petrović, S. J. XIII. Synthesis and Thermal Studies o .Chem.,2002	Skuban, V. I. Češljevio of Zn(II) Complexes wi	ć, M. M.Garić: Me th 3-amino-4-acet	tal Complexes with Pyrazo tyl-5-methylpyrazole, Synth	le-derived I.React.Inorg.			
6.	S. R. Luk the Ge-A	ić, S. J. Skuban, D. M. Petrović, A. F. s-S-Se-I system, Journal of Optoelect	Petrović, M. Garić, Cł ronics & Advanced Ma	naracteristics of c aterials, 6(3), 755	omplex non-crystalline cha -768, 2004.	lcogenides from			
7.	A. F. Petr applicatio	rović, S.R. Lukić, D.D. Štrbac: Critical on to some chalcogenide glasses, Jou	rate of cooling glassy rnal of Optoelectronics	melts under cond s & Advanced Ma	litions of continuous nuclea terials, 6(4) 1167-1177, 20	ition.The 04.			
8.	S. R. Luk Chalcoge	ić, D. M. Petrović, Ž. N. Cvejić, A F. F enide Thin Films, Journal of Optoelect	etrović, F. Skuban: Th ronics & Advanced Ma	nermally-induced aterials, 3(2), 337-	Structural Changes in Cop 340, 2001.	per-containing			
9.	S.R. Luki glassy Ge	ć, D.M. Petrović, G.R.Štrbac, A.F.Pet e20As14SxSe52-xl14, Journal of Phy	rović, M Šiljegović : Ef sics and Chemistry of	fect of sulfur aton Solids 66, 1683-1	n substitute with selenium c 1686 (2005)	on stability of			
10.	A.F.Kozm 2014–20	nidis-Petrovic, G.R.Strbac, D.D.Strbac 19, 353(2007)2014	c, Kinetics of non-isoth	ermal crystallizati	ion of chalcogenide, J.Non-	-Cyst.Solids,			
Sur	mmary data	for teacher's scientific or art and profe	essional activity:						
Quot	tation total :	21) list papers :	153						
Curr	ent projects	:	∠o Domestic ·	1	International ·	0			
1 2011		•		1 ·		1 <sup>×</sup>			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:				Kulić J. Filip			
Acad	emic title:				Associate Professor			
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:				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 Sa	ad	Automatic Control and System Engineering	
PhD thesis 2003 Faculty of Technical S			Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering		
Magi	ster thesis		1999	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Bach	elor's thesis	5	1994	Faculty of Technical Sci	ences - Novi Sa	ad	Electroenergetics	
List of courses being held by the teacher in the accredited stu			udy programme	s				
ID Course name				Study pro	ogramme name, study type			
		Contro		Desim		( E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	AU44	Contro	i Systems I	Jesign		( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
						( E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						( H00) Med	chatronics, Undergraduate Academic Studies	
2.	E226	Autom	atic Control	Systems		( MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
						( SEL) Sofi Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
						( BM0) Bio Studies	medical Engineering, Undergraduate Academic	
3.	E238A	Contro	I Systems T	Technology		(E20) Computing and Control Engineering, Undergraduate Academic Studies		
						( MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
4	EE1302	Svetor	ne of Autom	actic Control in Power End	nincoring	( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
4.	LLIJUZ	Syster			Jineening	(E10) Pow Engineerin	E10) Power, Electronic and Telecommunication ingineering, Undergraduate Academic Studies	
5.	H1405	Optimi	zation Meth	nods		(H00) Med	chatronics, Undergraduate Academic Studies	
6.	H302	Contro	I Systems 2	2		(H00) Mec	chatronics, Undergraduate Academic Studies	
7.	M325	Autom	atic Control	Systems		( M20) Mee Undergrad	chanization and Construction Engineering, luate Academic Studies	
8.	BMI125	Biolog	ical Control	Systems		( BM0) Bio Studies	medical Engineering, Undergraduate Academic	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
9.	E2315	Electri	cal Machine	es in Automatic Control Sy	vstems	( MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
10.	EMSAU 1	Autom	atic Control	Systems in Electronics		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
11.	SEAU01	Nonlin	ear progran	nming and evolutionary co	omputations	( SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
12.	SEAU03	Real-ti	me control	algorithms		( SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
13.	DE410S	Select	ed Topics ir	the Field of Automatic C	ontrol	(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	

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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

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, Master		
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		Calastad Tanica in 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		
			( 120) 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.	Dragan K 1995. 24	ukolj, Vesna Bengin, Filip Kulić: Osnovi klasične teorije auto 1str., UDK: 681.5(075.8),	omatskog upravljanja kroz rešene probleme, Sombor, Somel,		
2.	Dragan K 1995. 23	Kukolj, Filip Kulić: Projektovanje sistema automatskog upravl 2str., UDK: 681.5(075.8),	ljanja u prostoru stanja, Novi Sad, Fakulet tehničkih nauka,		
3.	D.Kukolj, Compara	F.Kulić, E.Levi: Design Of The Speed Controller For Senso tive Study, Artificial Intelligence in Engineering, 2000, Vol. 1	rless Electric Drives Based On Al Techniques: A 4, str. 165- 174		
4.	D.Kukolj, 2001, Vo	S.Kuzmanović, E.Levi, F.Kulić: Design of Near Optimal, Wi I. 120, No. 1, str. 17- 34	de Range Fuzzy Logic Controller, Fuzzy Sets and Systems,		
5.	D.Kukolj, of Artificia	F.Kulić, D.Popović, Z.Gorečan: Determining Topological Cl al Neural Network, Electric Machines and Power Systems, 1	nanges and Critical Load Levels of a Power System by Means 997, Vol. 25, No. 8, str. 917- 926, ISSN 0731-356x.		
6.	D.Kukolj, Europear	D.Popović, F.Kulić, Z.Gorečan: Fast Dynamic Stability Anal Transactions on Electrical Power (ETEP), 1998, Vol. 8, No	lysis of a Power System Using Artificial Neural Networks, b. 3, str. 207- 212, ISSN 1430-144X.		
7.	D.Popovi Reduced	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 5, No. 4, str. 355- 362, ISSN 1350-2360.		

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKHX HA		
IVE		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
0.20		Study Program	Study Programme Accreditation - PhD Studies					
.0	PLANTER	DOCTORAL ACADEMIC STUDIE	S	Er	vironmental Engineering	e Hos		
Re	Representative refferences (minimum 5, not more than 10)							
8.	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 chiller oper	Velimir, Kulić Filip: "Recognition of ation", Energy and Buildings, vol. 4	the importance of usir 7, str. 651-658; April 2	g artificial neural 012.	networks and genetic algori	thms to optimize		
10.	llić Sloboda Forecasting	an; Vukmirović Srđan; Erdeljan Alek g, Thermal Science, vol.16, br. , str.	sandar; Kulić Filip: "Hy S215-S224, 2012	/brid Artificial Neu	Iral Network System for Sho	ort-Term Load		
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:					
Quo	tation total :		32					
Tota	I of SCI(SSCI	) list papers :	12					
Curr	ent projects :		Domestic :	2	International :	0		



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	e and last n	ame.				Lužanin I. Zorana				
Acad	Academic title:					Full Professor				
Nom	o of the inet	itution	whore the te	achor worke full tir	no ond	Faculty of Sciences - Novi Sad				
starti	ng date:				ne anu	01 10 2012				
Scier	tific or art f	ield <sup>.</sup>				Mathematical	Sciences			
Acad	emic carie	er	Year	Institution		matteriatea		Field	ł	
Acad	Academic title election: 2007 Faculty of Sciences - N					ovi Sad		Mat	nematical Sciences	
PhD	PhD thesis 1997 Faculty of Sciences - N					ovi Sad		Mat	nematical Sciences	
Magi	ster thesis		1994	Faculty of Science	es - No	ovi Sad		Mat	nematics	
List c	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	es			
	ID Course name				Study pro	grami	me name, study type			
1.	SDOM3 Probability, Statistics and Theory of Engineering 0 Experiment			ering	( Z00) Envi Studies	ironm	ental Engineering, Specialise	ed Academic		
							( M00) Med	chanic	cal Engineering, Doctoral Ac	ademic Studies
	2. DOM30 Probability, Statistics and Theory of Englishment				<b>-</b>		( M40) Tec	hnica	I Mechanics, Doctoral Acade	emic Studies
2.					Engine	ering	(Z00) Environmental Engineering, Doctoral Academic Studies			Academic
							(Z01) Safe	ety at	Work, Doctoral Academic St	udies
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)					
1.	Krejic Na models, (	tasa Lu COMPU	izanin Zorai TATIONAL	na Ovcin Zoran B & APPLIED MATH	, Stoch IEMAT	astic Newton-li ICS, (2011), vc	ke methods I. 30 br. 1, s	for co tr. 12	omputing equilibria in genera 7-149	l equilibrium
2.	Buhmiler ALGORI	Sandra THMS, (	Krejic Nata 2010), vol.	asa Luzanin Zorar 55 br. 4, str. 481-5	na , Pra 02	ctical Quasi-Ne	ewton algori	thms	for singular nonlinear system	ns, NUMERICAL
3.	Krejic Na ANALYS	tasa Lu S-THE	izanin Zorai ORY METH	na Rapajic Sanja I ODS & APPLICAT	Dj , Jac IONS,	obian smoothir (2009), vol. 70	ng Brown's n br. 2, str. 64	netho 2-657	d for NCP (Article), NONLIN	EAR
4.	Krejic Na APPLIED	tasa Lu MATH	izanin Zorai EMATICS A	na Stojkovska Irer	na , Gau DN, (20	uss-Newton-ba 09), vol. 211 bi	sed BFGS n r. 2, str. 354	netho -362	d with filter for unconstrained	d minimization,
5.	Krejic Na MATHEN	tasa Lu IATICS	izanin Zorai AND COM	na Radeka Ivana , PUTATION , (2007	Newto ), vol.	n-like method l 189 br. 2 , str.	for nonlinear 1705 -1711	banc	led block diagonal system, A	APPLIED
6.	Krejic Na complem	tasa Lu entarity	izanin Zorai problems, I	na Rapajic Sanja I INTERNATIONAL	Dj , Itera JOURN	ative method w	rith modificat	tion o HEMA	f the right-hand side vector for TICS, (2006), vol. 83 br. 2, s	or nonlinear str. 193-201
7.	Krejic Na COMPUT	tasa Lu ATION	Izanin Zorai , (2002), vo	na , Newton-like m l. 71 br. 237, str. 23	ethod v 37-250	vith modificatio	n of the righ	t-hano	d-side vector, MATHEMATIC	S OF
8.	Lužanin,	Z., Herc	eg, D., Kre	jić, N., Parameter s	selectio	n for inexact N	ewton metho	ods, N	ONLINEAR ANALYSIS 30 (	(1997), 17-24.
9.	Lužanin, Mathema	Z., Rapa ticae Ja	ajić, S.: Cor ponica 54,	vergence accelera 3 (2001), 513-519	ation of	a general New	ton method	for sy	stem of nonlinear equations	, Scientiae
10.	A. Tepav	čević, Z	. Lužanin: N	Aatematičke medo	te u tak	sonomiji, PMF,	198 str, 20	06, u	džbenik	
Sur	nmary data	for tead	her's scient	tific or art and profe	essiona	I activity:				
Quot	ation total :				18					
Total	of SCI(SS	CI) list p	apers :		8					
Current projects : Dome					Dome	estic :	2		International :	2



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Martinov L. Milan			
Acad	lemic title:				Full Professor			
Nam	e of the inst	itution w	here the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:				10.12.1978			
Scier	ntific or art f	ield:	N	1 00 0	Biosystems E	ngineering		
Acad	lemic caries	er	Year	Institution				
Acad	lemic title el	ection:	1999	Faculty of Technical Sci	ences - Novi Sad Biosystems Engineering			
Bach	elor's thesis	5	2000	Faculty of Mechanical E	ngineering - No	ovi Sad	Mechanical Engineering	
PhD			1988	Faculty of Technical Sci	ences - Novi Sa	ad	Biosystems Engineering	
Magister thesis 1981 Faculty of Agriculture -			Lagreb		Biosystems Engineering			
List of courses being held by the teacher in the accredited st			idy programme	S				
ID Course name				Study pro	ogramme name, study type			
1.	M2407	Biosyst	tem Machir	nes 2		(M20)Mee Undergrad	chanization and Construction Engineering, luate Academic Studies	
						( H00) Meo	chatronics, Undergraduate Academic Studies	
2.	M304	Biosyst	tem Machir	nes 1		(M20) Mee Undergrad	chanization and Construction Engineering, luate Academic Studies	
						(M40) Teo Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
3.	URZP54	Device	s in the Pro	ocess Industry		( ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
4.	Z475A	Environmental engineering in biosystems				(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						(ZC0) Clea	an Energy Technologies, Undergraduate	
5.	5 7476 Energy and renewable energy sources in r		able energy sources in ru	ural areas		Studies		
		Energy and renewable energy sources in				(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
6.	ZRI421	Occupa	ational Safe	ety in Agriculture and Fore	estry	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
7.	Z475	Inženje naziv n	erstvo zaštit a englesko	e životne sredine u biosis m)	tema(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
8.	Z476	Energij oblastir	a i obnovlji ma(uneti na	vi izvori energije u ruralnir aziv na engleskom)	n	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						( H00) Med	chatronics, Master Academic Studies	
9.	H2405	IT in Bi	osystems			(M22) Meo Academic	chanization and Construction Engineering, Master Studies	
10.	M2651	Tractor	S			( M22) Meo Academic	chanization and Construction Engineering, Master Studies	
11.	M2652	Agricul	tural machi	nery for renewable energ	y sources	(M22)Meo Academic	chanization and Construction Engineering, Master Studies	
12.	Z477	Sustair	hable Agric	ulture Engineering		(Z20) Envi	ronmental Engineering, Master Academic Studies	
13.	Z478A	Informa	ation techno	ology support sustainable	biosystems	(Z20) Envi	ronmental Engineering, Master Academic Studies	
14.	Z477	Inženje englesl	erstvo održi <sup>.</sup> kom)	ve poljoprivrede(uneti naz	iv na	(Z20) Envi	ronmental Engineering, Master Academic Studies	
15.	Z478	Informa biosiste	aciono-tehn ema(uneti r	ološka podrška održivom naziv na engleskom)	razvoju	(Z20) Envi	ronmental Engineering, Master Academic Studies	
16.	H797	Mecha	tronics in m	echanization - advanced	topics	(H00) Med	chatronics, Master Academic Studies	
17.	SZSP14	Conten	nporary app	proach to the biosystems	engineering	( Z00) Env Studies	ironmental Engineering, Specialised Academic	
18.	SZSP16	Engine	ering of rer	newable enery sources in	agriculture	( Z00) Env Studies	ironmental Engineering, Specialised Academic	
19.	SZSP18	Conten assess	nporary sci ment of pro	entific approaches in life o oducts (LCA)	cycle	( Z00) Env Studies	ironmental Engineering, Specialised Academic	
20.	ZCM12	Logistic	c of energy	biomass		( ZC0) Clea Studies	an Energy Technologies, Master Academic	
21.	ZR406A	System Health	n Regulation and Safety	ns and EU Practice in Oc	cupational	(Z01) Safe	ety at Work, Master Academic Studies	
22.	DM207	Standa safety	rdization in	biosystems engineering	related to the	(Z01) Safe	ety at Work, Doctoral Academic Studies	

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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineerin

List of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type			
23.	DOM24	Procedure and Machines for Sustainable Agriculture	( M00) Mechanical Engineering, Doctoral Academic Studies			
24.	HDOK11	Advanced Application of ICT in Agriculture	(H00) Mechatronics, Doctoral Academic Studies			
25.	HDOL11	Advanced application of ICT in agriculture	(H00) Mechatronics, Doctoral Academic Studies			
26.	ZSP14	Contemporary Approaches to Sustainable Engineering Biosystems	( Z00) Environmental Engineering, Doctoral Academic Studies			
07	70016	Engineering of Denoughle Energy in Agriculture	( OM1) Mathematics in Engineering, Doctoral Academic Studies			
21.	25010	Engineering of Renewable Energy in Agriculture	( Z00) Environmental Engineering, Doctoral Academic Studies			
28.	ZRD235	Systemic regulation in the field of occupational safety and health	(Z01) Safety at Work, Doctoral Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more than 10)				
1.	Bojić S., L.) in a m No 3, pp.	Golub M., Müller J., Obradović R., Martinov M.: Convective nedium scale batch dryer with different modes of air circulati . 108-115, ISSN 1431-9292	e drying of naked seeded oil pumpkin seeds (Cucurbita pepo on., Zeitschrift für Arznei- und Gewürzpflanzen, 2012, Vol. 17,			
2.	Đatkov Đ agricultur	., Effenberger M., Lehner A., Martinov M., Tešić M., Gronau ral biogas plants, Renewable energy, 2012, Vol. 40, No 1, p	uer A.: New method for assessing the performance of p. 104-112			
3.	Gavrić M based po Amsterda	., Martinov M., Bojić S., Đatkov Đ., Pavlović M.: Short- and sitioning devices using a specially designed testing facility, am, the Netherlands, 2011, Vol. 76, No 2, pp. 297-305	long-term dynamic accuracies determination of satellite- Computer and Electronics in Agriculture, Elsevier,			
4.	Scarlat N Potential	N., Martinov M., Dallemand J.: Assessment of the availabilit and limitations for bioenergy use, Waste Management, 201	ty of agricultural crop residues in the European Union: 0, Vol. 30, No 10, pp. 1889-1897, ISSN 0956-053X			
5.	Kratzeisen M., Starcevic N., Martinov M., Maurer C., Mueller J.: Applicability of biogas digestate as solid fuel, Fuel, 2010, Vol. 89, No 9, pp. 2544-2548					
6.	6. Martinov M, Mujic I, Müller J. 2007. Impact of drying air temperature on course of drying and quality of Hypericum perforatum L. Zeitschrift für Arznei- und Gewürzpflanzen, 12(3): 124-128.					
7.	7. Martinov M., Veselinov B., Bojić S., Đatkov Đ.: Investigation of maize cobs crushing – preparation for use as a fuel, Thermal Science - International Scientific Journal, 2011, Vol. 15, No 1, pp. 235-243, ISSN 0354-9836, UDK: 621					
8.	8. Jokić, S., Mujić, I., Martinov, M., Velić, D., Bilić, M. and J. Lukinac. 2009. Influence of drying procedure on colour and rehydration characteristic of wild asparagus Czech Journal of Food Sciences 27(3): 171-177.					
9.	Oztekin, Products	S, Martinov, M. 2007. Medicinal and Aromatic Crops, Harve Press, New York.	sting, Drying and Processing, Haworth Food and Agricultural			
10.	Martinov, M., Tesic, M. and M. Ilic. 2006. Latest developments on RES policy, implementation and planning in Serbia. Workshop: "Data Gathering on Renewable Energies for New Member States and Candidate Countries" organized by European Commission, Joint Desearch Conter. On the Development 2000. Deals of press. 270,007					

Joint Research Center, Caviat-Dublovnik, 15-16 November 2006, Book of proce. 279-287.							
Summary data for teacher's scientific or art and professional activity:							
Quotation total : 20							
Total of SCI(SSCI) list papers : 10							
Current projects :     Domestic :     4     International :     1							



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:			Mihailović P. Biljana					
Academic title:			Assistant Professor					
Name of the institution where the teacher works full time and F				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date: 15			15.03.1999					
Scier	ntific or art f	ield:			Mathematics			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2010	Faculty of Technical Scie	ences - Novi Sa	ad	Mathematics	
PhD	thesis		2009	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Mag	ster thesis		2003	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesis	S	1998	Faculty of Sciences - No	. Sad		Mathematical Sciences	
List c	of courses b	eing hei	d by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E135	Probat	oility, Statist	ics and Stochastic Proces	sses	( MR0) Me Undergrad (E10) Powe	asurement and Control Engineering, uate Academic Studies er, Electronic and Telecommunication	
						(E20) Con	nputing and Control Engineering, Undergraduate	
2.	E212	Mathe	matical Ana	lysis 1		( SE0) Soft Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						( SEL) Soff Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
	5040	Discrete Mathematics and Linear Algebra				( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
3.	E213					( SE0) Soff Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologi Loznica, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
4	F224A	Probat	bility and St	ochastic Processes		(ES0) Pow Academic	ver Software Engineering, Undergraduate Studies	
		11000				( SE0) Soff Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						( SEL) Soff Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
5.	EOS07	Mathe	matics 2			(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical indergraduate Professional Studies	
						(M20)Meo Undergrad	chanization and Construction Engineering, uate Academic Studies	
6	M102	Mathematics 1				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
_	-				(M40) Tec Undergrad	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
7	E102	Matho	matical Ana	lvsis 1		(ES0) Pow	ver Software Engineering, Undergraduate Studies	
<i>י</i> .	L 102	maule				( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
8.	BMI91	Mathe	matics 1			( BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.	BMI92	Mathe	matics 2			( BM0) Bio Studies	medical Engineering, Undergraduate Academic	
10.	E102A	Mathematical Analysis 1				( E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	

## STAS STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

l ist of courses h	peing held by the	teacher in the accre	edited 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	(122) Engineering Management, Specialised Academic Studies			
			( Z00) Environmental Engineering, Specialised Academic Studies			
10	1004/6	Statistical Quantitativa Mathada	( I20) Engineering Management, Specialised Professional Studies			
15.	1004/3		( 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			
			( 120) Industrial Engineering / Engineering Management, Doctoral Academic Studies			
			(M00) Mechanical Engineering, Doctoral Academic Studies			
			(M40) Technical Mechanics, Doctoral Academic Studies			
			( OM1) Mathematics in Engineering, Doctoral Academic Studies			
			(S00) Traffic Engineering, Doctoral Academic Studies			
			( Z00) Environmental Engineering, Doctoral Academic Studies			
			(Z01) Safety at Work, Doctoral Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more than 10)				
1.	E. Pap, I Sets and	B. Mihailović: A representatation of a comonotone-v-additiv Systems 155, (2005) 77-88	ve and monotone functional by two Sugeno integrals, Fuzzy			
2.	B. Mihai 22, (2010	lović, E. Pap: Sugeno integral based on absolutely monoton )) 2857-2869	e real set functions, Fuzzy Sets and Systems, Vol 161, Issue			
3.	B. Mihaile functions	ović, E. Pap: Asymmetric integral as a limit of generated Che , Fuzzy Sets and Systems 181, (2011) 39-49.	oquet integrals based on absolutely monotone real set			
4.	B. Mihail 161-173.	ović, E. Pap: Asymmetric general Choquet integrals, Acta P	Polytechnica Hungarica, Volume 6, Issue Number 1, (2009)			
5.	5. Kalina M., Manzi M., Mihailović B.: Choquet integrals and T-supermodularity, E. Pap (Ed.): Intelligent Systems: Models and Applications, TIEI 3, DOI: 10.1007/978-3-642-33959-2 4 c Springer-Verlag Berlin Heidelberg . (2013) 61-75.					

HISTAS STUDIO		UNIVERSITY OF NOVI SAD					
		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSH	EJA OBRADOVICA 6		
Z Des C		Study Program	me Accredita	ation - Phl	O Studies	Contraction	
.01	LANTER	DOCTORAL ACADEMIC STUDIES	S	Er	vironmental Engineering	HO	
Rej	presentative re	efferences (minimum 5, not more th	an 10)		· · · · ·		
6.	<ul> <li>B. Mihailovi</li> <li>Engineering</li> </ul>	ć, Lj. Nedović, T. Grbić : The induc g, Vol.54, No. 12/s, (2003) 76-79.	ed Sugeno integral-ba	sed operator w.r.t	t bi-fuzzy measures, Journa	I of Electrical	
7.	B. Mihailovi 374.	ć, E. Pap: Non-monotonic set funct	ions and general fuzzy	integrals, Proce	edings of SISY 2008, Subot	ica, (2008) 371-	
8.	<ul> <li>B. Mihailović: On the class of symmetric S-separable aggregation functions Proceedings of AGOP 2007, Ghent, Belgium, (2007) 187-191.</li> </ul>						
9.	9. B. Mihailović, E. Pap: Decomposable signed fuzzy measures, Proceedings of EUSFLAT 2007, Ostrava, Czech Republic, (2007) 265-269.						
10.	). B. Mihailović, M. Manzi: On the asymmetric Shilket-like integral, Proceedings of AGOP2011, Benevento, Italy, (2011) 73-77.						
Su	nmary data fo	r teacher's scientific or art and profe	essional activity:				
Quot	ation total :		10				
Tota	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 - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:			Mihajlov N. Anđelka							
Acad	emic title:					Full Professo	r			
Nam starti	e of the inst ng date:	itution v	vhere the te	acher works fu	Ill time and	-				
Scier	ntific or art f	ield:				Environment	Protection E	Engineering		
Acad	emic cariee	er	Year	Institution				Field		
Acad	emic title el	ection:	2006	Faculty of Te	chnical Sci	ences - Novi S	ad	Environment Protection Engineering		
PhD	thesis		1984	Faculty of Te	chnology a	nd Metallurgy -	Beograd	Technological Engineering		
Magi	ster thesis		1977	Faculty of Te	chnology a	nd Metallurgy -	Beograd	Technological Engineering		
Bach	elor's thesis	8	1974	Faculty of Te	chnology a	nd Metallurgy -	Beograd	Technological Engineering		
List c	of courses b	eing he	ld by the tea	acher in the ac	credited stu	udy programme	es			
	ID	Course	e name				Study pro	ogramme name, study type		
1.	E0S42	Renew	able source	es and environ	mental prot	tection	( E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
2.	Z105	Energy	y and Enviro	onment			(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
3.	Z105A	Energy	and the er	nvironment			(Z01) Safe	ety at Work, Undergraduate Academic Studies		
							(Z01) Safe	ety at Work, Undergraduate Academic Studies		
4.	Z204A	Monito	oring of the	Living Environr	nent		(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
							(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
							( GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
5.	Z205	Sustainable Use of Natural Resources and Environmental Protection System				(Z01) Safe	ety at Work, Undergraduate Academic Studies			
							(Z20) Environmental Engineering, Undergraduate Acade Studies			
							(Z01) Safe	ety at Work, Undergraduate Academic Studies		
6.	Z309A	Solid Waste Management					(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
7.	Z401A	Desigr	n and Plann	ing in Environn	nental Prot	ection	(Z20) Envi Studies	<ul> <li>) Environmental Engineering, Undergraduate Academi lies</li> </ul>		
8.	Z401B	Desigr	n and Plann	ing in Environn	nental Engi	ineering	( ZC0) Cle Academic	ZC0) Clean Energy Technologies, Undergraduate .cademic Studies		
9.	Z409A	Hazaro Techno	dous Waste ologies	Management	and Recyc	ling	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
10.	Z309A	Upravl	janje čvrstir	n otpadom(une	eti naziv na	engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
11.	M3202	Identifi	cation and	reduction of po	ollution from	n industry	(M30) Energy and Process Engineering, Undergraduate Academic Studies			
12.	MPK012	Solid v	vaste mana	gement			( MPK) lnž naziv na el	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
13.	SZD052	Resou	rce-Efficien	t and Low-Carl	bon Develo	pment	( Z00) Env Studies	ironmental Engineering, Specialised Academic		
14.	ZD052	Efficient Use of Natural Resources and Lov Development			es and Low	/-Carbon	( Z00) Env Studies	ironmental Engineering, Doctoral Academic		
Rep	oresentative	reffere	nces (minin	num 5, not mor	e than 10)					
1.	Odrzivi ra sredine, r	azvoj i zi na srpsk	votna sredi com (2005),	na ka Evropi u Canada Fund	95+ koraka na englesk	a, monografija kom (2006)	(pomocni uc	dzbenicki materijal), PKS/Ambasadori zivotne		
2.	Mihajlov and Sust	A., Oppo ainable	ortunities ar Energy Rev	nd challanges f views, 14 (2010	or sustaina ), pp. 872-	ble energy poli 875	icy in SE Eu	ropean Energy Community Treaty, Renewable		
3.	B.Djordje polar gas	vic, A.M es, Che	lihajlov, D.C m. Eng.Sci	Grozdanic, A.Ta ence, 32, 1103	asic, A.Hor -1107 (197	vath, Applicabil 7)	ity of Redlic	ch-Kwong equation of state and its modifications to		
4.	B.Djordje Chem.En	vic, A.M g.Scien	lihajlov, A.T ce, 35, 752	asic, Calculatio -753 (1980)	on of heat o	capacities of ga	aseous carb	onmonoxide by modified RK equation of state,		

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WAKNX M		
IVE	NOU BOR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
0.2	E Second	Study Program	me Accredit	ation - Phl	D Studies	To a		
·0,	LANTER	DOCTORAL ACADEMIC STUDIE	S	Er	vironmental Engineering	e Hoo		
Rep	presentative r	efferences (minimum 5, not more th	an 10)					
5.	B.Djordjevi (American	c, A.Mihajlov, A.Tasic, Correlation c Institute of Chemical Engineers Jou	f Second virial coeffici rnal), 26(5), 858-862 (	ents of polar gase 1980)	es by RK equation of state,	AIChE Journal		
6.	R.Paunovic equilibrium	e, S.Jovanovic, A.Mihajlov, Rapid co calculations. Application to the RK-	omputation of binary in Soave Equation of sta	teraction coefficie te, Fluid Phase E	ents of an equation of state ( quilibria, 6, 141-148 (1981)	for vapor-liquid		
7.	A.Mihajlov: Environmer	A Treaty for a Southeast European ntal Challenges to Security, Springe	Energy Community , r, 2008, ISBN ISBN-1	p.73-78, u: Steph 0: 1402094523	en Stec, Besnik Baraj, Edite	ed: Energy and		
8.	D.Prokic, A Protection I	.Mihajlov, "Contaminated sites: soli Engineering, 2012, Vol. 38, No.1, p	d waste management o 81-90	practice in develo	pping country (Serbia)", Env	ironment		
9.	Lj.Fišang, M.Đurić, R.Marinković-Nedučin, J.Ranogajec, A.Mihajlov, An optimization of fly ash quantity in cement binding, Cement and Concrete Research, 25(7), 1430-1490							
10.	<ul> <li>Mihajlov, Andjelka (2012) Needs for Tailored Knowledge and Skill-Based Education for Sustainable Development: Balkan</li> <li>Environment Life Leadership Standards Courses. In Leal Filho, W. (Ed) Sustainable Development at Universities: New Horizons.</li> <li>Peter Lang Scientific Publishers, Frankfurt am Main, Berlin, Bern, Brussels, New York, Oxford, Vienna 994 pp, ISBN 978-3-631- 62560-6</li> </ul>							
Sur	mmary data fo	or teacher's scientific or art and profe	essional activity:					
Quot	tation total :		43					
Tota	I of SCI(SSCI)	) list papers :	28					
Curre	ent projects :		Domestic :	1	International :	2		



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:			Nakomčić-Smaragdakis B. Branka								
Academic title:			Assistant Professor								
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad						
starting date: 01.12.					01.12.1992	992					
Scier	ntific or art f	ield:			Environment	Protection E	ngineering				
Acad	emic caries	er	Year	Institution			Field				
Acad	emic title e	lection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering				
PhD	thesis		2008	Faculty of Technical Sci	ences - Novi S	ad	Thermal Technics				
Magi	ster thesis		2002	University of Novi Sad -	Novi Sad		Environment Protection Engineering				
Bach	elor's thesis	S	1992	Faculty of Technical Sci	ences - Novi S	ad	Termodynamics and Heat Transfer				
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s					
	ID	Course	e name			Study pro	gramme name, study type				
1.	Z206	Alterna	ative Power	Engineering		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic				
2.	Z206A	Alterna	ative Energy	/ Sources		(Z01) Safe	ety at Work, Undergraduate Academic Studies				
3.	Z307	Modeli	ng and Sim	ulation in Environmental I	Engineering	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic				
4.	Z307A	Modeli	ng and Sim	ulation in Environmental I	Engineering	(Z01) Safe	ety at Work, Undergraduate Academic Studies				
5.	Z206	Alterna	ativna energ	getika(uneti naziv na engle	eskom)	(Z20) Envi	ronmental Engineering, Undergraduate Academic				
6.	Z307	Model engles	ovanje i sim kom)	ulacija u IZŽS(uneti naziv	na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic				
7.	Z401A	Projek naziv r	tovanje i pla na englesko	aniranje u zaštiti životne s m)	redine(uneti	(Z20) Environmental Engineering, Undergraduate Academic Studies					
8.	ZC023	Modeling and Simulation in Energy Systems			S	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies					
9.	Z477	Sustainable Agriculture Engineering				(Z20) Envi	ronmental Engineering, Master Academic Studies				
10.	Z509	Energy	, Economio	and Ecological Aspects	of TP Plants	(Z20) Envi	ronmental Engineering, Master Academic Studies				
11.	ZR501	Hazaro	dous Materi	als and Hazardous Waste	;	(Z01) Safe	ety at Work, Master Academic Studies				
12.	Z508	Specifi	ični uslovi p <u>e(uneti nazi</u>	rojektovanja u zaštiti živo <u>v na engleskom)</u>	tne	(Z20) Envi	ronmental Engineering, Master Academic Studies				
13.	Z509	TP pos aspekt	strojenja sa a(uneti naz	energetskog, ekonomsko iv na engleskom)	g i ekološkog	(Z20) Envi	ronmental Engineering, Master Academic Studies				
14.	MPK015	Tehno engles	logije obnov kom)	vljivih izvora energije(unet	i naziv na	( MPK) Inž naziv na ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies				
	0750/0	Integra	ated approa	ch using renewable and c	onventional	(M50) Energy Management, Master Academic Studies					
15.	SZD040	energy	sources			(Z00) Env Studies	ironmental Engineering, Specialised Academic				
16.	ZD040	An Inte Renew	egrated App able Energ	proach to the Use of Conv y Sources Applied to Pow	entional and /er Systems	(Z00) Environmental Engineering, Doctoral Academic Studies					
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)							
1.	Bašić Đ., by D. Gv	Nakom	čić B., Ener , J. Xyptera	gy Sources and Environm as, M. Dimić, pp. 109-120,	nent, in Monogr N.Sad/Thessa	aphy: Conte Ioniki, 1995	emporary Problems in Power Engineering, edited				
2.	<ul> <li>Nakomčić B., Bašić Đ., Ciupinski L., Manaj W., Kurzydlowski K.J.: Non-destructive Testing Applied for Risk Reduction in</li> <li>Petrochemical Installations, ECOS 2006 Conference-19th Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Crete, Greece, Vol.2, pp. 767-774, July 2006</li> </ul>										
3.	<ul> <li>Nakomčić B., Štrbac D., Petrović J., Bašić Đ., Geothermal Energy Sources in Serbia and Utilization of Hydrothermal Energy in</li> <li>Vojvodina, The Joint Workshop of Geothermal and Biomass Energy Sources for Countries Along the Danube, Novi Sad, Serbia, 25th-27th May, 2006</li> </ul>										
4.	<ul> <li>Nakomčić B., Bašić Đ., Kurzydlowski K.J., Ciupinski L., Risk Reduction Based on NDT of Installation Designed for Long Service,</li> <li>PSU-UNS International Conference on Engineering and Environment-ICEE 2005, Novi Sad, Serbia and Montenegro, May 2005, Paper T1-2.1 (Conbference CD), 4p</li> </ul>										
5.	<ul> <li>M.Vojinović- Miloradov, Đ. Bašić, G. Vujić, Nakomčić B., Environmental Engineering Curricula on the University Level and in Faculty of Technical Sciences, Symposium of Donauhoccchschule Ulm, Cooperation with Universities along the Danube in the field of sustainable energy systems (RES), Ulm University of Applied Sciences, Ulm, Germany, 27.1101.12. 2005, (Symposium CD and Proceedings). 10p</li> </ul>										
6.	Nakomčić B., RIMAP Methodology, Workshop of Risk Analysis in Process Industry, Warsaw University of Technology, Warsaw, Poland, Nov. 2004, Workshop Proceedings & CD, pp. 76-101.										
195	TAS STUDIO	FACULTY OF TECHNICAL SC	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6								
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THO SLANTEN		Study Program	Study Programme Accreditation - PhD Studies								
Re	presentative r	efferences (minimum 5, not more th	nan 10)	1							
7.	7. Nakomčić B., Biomass: Combustion and gasification-technologies and application, Warsaw University of Technology, Warsaw, Poland, Oct. 2004, RES Workshop Proceedings & CD, p11										
8.	Nakomčić E Proceeding	<ol> <li>Global and Alternative Energy, V s &amp; CD, p25</li> </ol>	Varsaw University of T	echnology, Warsaw, Poland, Oct. 2004., RE	S Workshop						
9.	Nakomčić E April, 2004.	3., The current situation of the appli , RIMAP web site, pp. 27-35	cation of RIMAP metho	odologies in SCG, RIMAP NAS Meeting, Mis	skolc, Hungary,						
10.	Nakomčić B., Bašić D., Kurzydowski K.J., Kijenska I., Plocinski T., Risk Assessment and Environmental Impact: Experience of Candidate Countries (CC's) Attending the EU, PSU-UNS International Conference 2003 " Energy and the Environment", Hat Yai, Songkhla, Thailand, (2003), Paper N0 901, (Conference CD)										
Su	Summary data for teacher's scientific or art and professional activity:										
Quo	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 - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Palić V. Draga	an				
Acad	lemic title:					Senior Science	e Associate	<b>;</b>		
Nam	e of the inst	itution v	vhere the te	acher works full tir	ne and	Institute of Food Technology - Novi Sad				
starti	ing date:					01.02.2009				
Scier	ntific or art f	ield:				Biotechnic Sc	ience			
Academic carieer Year Institution							Field	1		
Academic title election: 2010 Institute of Food Techn				Techno	ology - Novi Sad	ł	Biote	echnic Science		
PhD	thesis		1992	Faculty of Agricul	lture - I	Novi Sad		Biote	echnic Science	
Magi	ister thesis		1986	Faculty of Science	es - No	ovi Sad		Bioc	hemistry	
Bach	nelor's thesis	5	1973	Faculty of Science	es - No	ovi Sad		Che	mist Science	
List o	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	S			
	ID	Course	e name				Study pro	gram	ne name, study type	
1.	ZSP17	Moder the En	n Instrumer vironment	ntal Methods of Pol	llutants	Analysis in	( Z00) Envi Studies	ironm	ental Engineering, Doctoral A	cademic
Rep	presentative	reffere	nces (minin	num 5, not more th	an 10)	-				
1.	The deve different	lopmen eferenc	t of near-inf e methods	rared spectroscop	y (NIRS	6) calibration fo	r prediction	of ash	content in legumes on the b	asis of two
2.	Laborato	ry evalu	ation of Bor	nsilage Mais as an	inocula	ant for whole cro	op maize en	siling	in South Africa	
3.	Effects of lambs	ensilin	g whole cro	p maize with bacte	rial ino	culants on the f	ermentation	i, aerc	bic stability and growth perfo	ormance of
4.	Coulome	tric bipo	tentiometric	titrations of bases	and th	eir mixtures in	acetic anhy	dride ı	using a pair of quinhydrone e	lectrodes
5.	Determin	ing the o	optimum ter	nperature for dry e	extrusio	n of full fat soyl	peans. Sout	h Afrio	can Journal of Animal Scienc	е
6.	A compa	rison be	tween hom	iny chop and defat	ted ma	ize germ meal a	as the main	energ	y source in diets of feedlot st	teers
7.	Uticaj talo	ožnice n	a bioremed	iacione procese						
8.	Use of qu	iinhydro	ne indicato	r electrodes in cou	lometri	c titrations of ba	ases and the	eir mix	tures in acetic anhydride	
9.	Prediction	n of the	in vivo orga	nic matter digestib	ility of	feedstuffs for ru	iminants usi	ng in	vitro techniques	
10.	10. Quality control of full-fat soybeans using urease activity: critical assessment of the method									
Summary data for teacher's scientific or art and professional acti					I activity:					
Quot	Quotation total :									
Tota	l of SCI(SS	CI) list p	apers :							
Curre	ent projects	:			Dome	estic :			International :	



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Pantović B. J	ovanka			
Acad	lemic title:				Full Professor				
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	ences - Novi Sad		
starti	ng date:	iald.			13.06.1993				
Academic caricor Voar Institution					Mathematics				
Acad	lemic carlee	er Le etiener	Year	Institution					
Acad	thesis	lection:	2010	Fourthy of Sciences No.	wi Cod		Mathematics		
PhD	thesis		2000	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Rech			1990	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Bach		S sina ha	1991	Faculty of Sciences - No		-	Mathematical Sciences		
LIST	or courses b	eing ne	Id by the tea	acher in the accredited stu	loy programme	es I			
	ID	Course	e name			Study pro	ogramme name, study type		
1	F145	Opera	tions Resea	urch		( ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
		opeiu				(E10) Pow Engineerin	er, Electronic and Telecommunication ng, Undergraduate Academic Studies		
						( E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
2	F012	Diagra	to Mathama	tice and Lincor Alcohro		( MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies		
۷.	E213	Discre		aics and Linear Aigebra		( SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies		
						(SEL) Software Engineering and Information Technologi Loznica, Undergraduate Academic Studies			
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
3.	E221A	Mathe	matical Ana	llysis 2		( MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies		
4.	GI101	Algebr	a			( GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
5.	H203	Mathe	matics 3			(H00) Mechatronics, Undergraduate Academic Studies			
6.	IAM002	Discre Graph	te and Com ics	binatorial Methods for Co	mputer	( F10) Eng Studies	ineering Animation, Undergraduate Academic		
7	COFONI	0.000				( S00) Trat Academic	ffic and Transport Engineering, Undergraduate Studies		
7.	5053N	Opera	tions resear	cn		( S01) Pos Undergrad	tal Traffic and Telecommunications, luate Academic Studies		
8.	0M512	Model	s of Compu	tation		( OM1) Ma Studies	thematics in Engineering, Master Academic		
9.	0ML512	Model	s of Compu	tation		( OM1) Ma Studies	thematics in Engineering, Master Academic		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication ng, Specialised Academic Studies		
						( 112) Indu	strial Engineering, Specialised Academic Studies		
10.	DZ01MS	Select	ed Chapters	s in Mathematics		(I22) Engi Studies	neering Management, Specialised Academic		
						( Z00) Env Studies	ironmental Engineering, Specialised Academic		
11.	D0M08	Applie	d Abstract A	Algebra		( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
12.	D0M13	Theory	of Mobile I	Processes		( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
13.	D0M14	Process Algebra				( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
14.	D0M22	Multipl	e-Valued Lo	ogic		( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		

## ALE STAS STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

I					
	List of courses bein	g held by the t	eacher in the ac	credited study	programmes

	ID	Course name		Study program	me name, study type				
15.	D0M23	Clone Theory		(OM1) Mathema	atics in Engineering, Doctora	I Academic			
				(E10) Power, El Engineering, Do (E20) Computin Academic Studie (F00) Graphic E Studies (F20) Engineeri (G00) Civil Engi	ectronic and Telecommunic ctoral Academic Studies g and Control Engineering, l s ingineering and Design, Doc ng Animation, Doctoral Acad neering, Doctoral Academic	ation Doctoral toral Academic demic Studies Studies			
16.	DZ01M	Selected Chapters in Mathematics		( GI0) Geodesy a ( H00) Mechatro ( I20) Industrial E	and Geomatics, Doctoral Ac nics, Doctoral Academic Stu Engineering / Engineering M	ademic Studies Idies anagement.			
				Doctoral Acader	nic Studies	adomic Studios			
					La Engineening, Doctoral Ac				
				( M40) Technica ( OM1) Mathema Studies	atics in Engineering, Doctoral Acade	al Academic			
				( S00) Traffic En	aineering Doctoral Academ	ic Studies			
				( Z00) Environm Studies	ental Engineering, Doctoral	Academic			
				(Z01) Safetv at	Work. Doctoral Academic St	udies			
17.	AID05	Theory of Mobile Processes		(F20) Engineeri	ng Animation, Doctoral Acad	lemic Studies			
18.	AID06	Graph theory		(F20) Engineeri	ng Animation, Doctoral Acad	lemic Studies			
Rer	oresentative	refferences (minimum 5, not more the	an 10)						
1.	Gilezan S Algorithm	S., Pantović J., Žunić J.: Partitioning F is and Metaheuristics (editor: T. F. Go	inite d-Dimensional In nzalez)., Chapman	teger Grids with A	Applications, chapter in: App	roximation			
2.	Ghilezan Neural N	S., Pantović J., Žunić J.,Separating p etworks, 2007, Vol. 18, No. 5, 1356-13	oints by parallel hyper 363.	planes - characte	ization problem, IEEE Trans	actions on			
3.	Mariangio Comput.	ola Dezani-Ciancaglini, Silvia Ghilezar Sci, 2008, 402(2-3): 156-171	n, Jovanka Pantovic, D	Daniele Varacca:	Security types for dynamic w	veb data. Theor.			
4.	Pantović 2000, 36	J., Vojvodić D., On the cardinality of n 9-374.	onfinitely based functi	onally complete a	algebras, Algebra Universalis	s, Vol. 43, No. 4,			
5.	Pantović Vol. 38, N	J., Tošić R., Vojvodić G., The cardinal Io.2, 1997, 136-140.	ity of functionally com	plete algebras on	a three element set, Algebr	a Universalis,			
6.	Pantović Vol. 19, N	J., Machida H., Rosenberg I.: Regula Io 1-3, pp. 149-162, ISSN 1542-3980	r sets of operations, J	ournal of Multiple	Valued Logic and Soft Com	puting, 2012,			
7.	Machida 18, No 2,	H., Pantović J.: Three classes of max pp. 201-210, ISSN 1542-3980	imal hyperclones, Jou	irnal of Multiple V	alued Logic and Soft Compu	ıting, 2012, Vol.			
8.	Pantović 2009, pp.	J., Machida H.: Maximal hyperclones 1-13, ISSN 1542-3980	on E2 as hypercores	, Journal of Mult	tiple Valued Logic and Soft (	Computing,			
9.	Pantović Vol.113 (	J., Tošić R., Vojvodić G., Relative con 2-3), 2001, 337-342.	npleteness with respec	ct to two unary fu	nctions, Discrete Applied Ma	thematics,			
10.	Marinagi Trustwor	ola Dezani-Ciancaglini, Silvia Ghileza hy Global Computing, Lecture Notes i	n, Jovanka Pantović, S n Computer Science,	Security types for 2007, Vol. 4661,	dynamic web data, Proceec str. 263-280.	lings of			
Sur	Summary data for teacher's scientific or art and professional activity:								
Quot	ation total :		30						
Total	of SCI(SS	CI) list papers :	13						
Curre	ent projects	:	Domestic :	2	International :	3			



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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:						Pavlović D. Milan				
Acad	emic title:					Full Professor				
Nam	e of the inst	itution v	vhere the te	acher works full tin	ne and	Faculty of Te	chnical Scie	nces '	Mihajlo Pupin" in Zrenjanin	- Zrenjanin
starti	ng date:					01.01.1900				
Scier	ntific or art f	ield:		ſ		Engineering Management				
Acad	emic cariee	er	Year	Institution		Field				
Acad	emic title el	ection:	2008	Faculty of Techni Zrenjanin - Zrenja	ical Scie anin	ences "Mihajlo	Pupin" in	Engi	neering Management	
PhD thesis 1996 Faculty of Technical So Zrenjanin - Zrenjanin					ical Scie anin	ences "Mihajlo	Pupin" in	Engi	neering Management	
Magi	ster thesis		1977	Faculty of Mecha	nical Er	ngineering - Be	eograd	Mec	hanical Engineering	
Bach	elor's thesis	6	1974	Faculty of Mecha	nical Er	ngineering - Be	eograd	Mec	hanical Engineering	
List c	of courses b	eing he	ld by the te	acher in the accred	lited stu	udy programme	es			
	ID	Course	e name				Study pro	gramr	ne name, study type	
1.	DAS044	Poslov	na ekologij	a(uneti naziv na en	ngleskor	m)	(Z20) Envir Studies	ronme	ntal Engineering, Undergra	duate Academic
2.	OAS013	Ekološ	ko inženjer	stvo(uneti naziv na	engles	skom)	(Z20) Envir Studies	ronme	ntal Engineering, Undergra	duate Academic
3.	OAS193	Upravl	janje kvalite	etom(uneti naziv na	a engles	skom)	(Z20) Envir Studies	ronme	ntal Engineering, Undergra	duate Academic
4.	OAS220	OAS220 Upravljanje tehnološkim razvojem(uneti na: engleskom)					(Z20) Environmental Engineering, Undergraduate Academ Studies			duate Academic
5.	SZD042	D042 Models of economic evaluation of environm				ental projects	( Z00) Envi Studies	ironme	ental Engineering, Specialis	ed Academic
6	70042	Models	s of Econor	nic Evaluation of P	rojects	for	( OM1) Ma Studies	thema	tics in Engineering, Doctora	al Academic
0.	20042	Enviro	nment Prot	ection			( Z00) Envi Studies	ironme	ental Engineering, Doctoral	Academic
Rep	oresentative	reffere	nces (minin	num 5, not more tha	an 10)					
1.	Resursi i	ekologij	a, 2002							
2.	Ekološko	inženje	rstvo, 2002							
3.	Kvalitet i	integrisa	ani menadž	ment sistemi, 2006	5					
4.	Stanojevi design ar ISSN: 01	ć, M., R nd explo 04-6632	adić, D., Jo itation of fly 2, IF=0.448,	vović, A., Pavlović, v ash pneumatic tra vol. 25 issue 04 (C	, M., Ka insport October	aramarković, V systems in the -December 20	: The influe rmal power 08)	ence o plants	f variable operating conditic , Brazilian Journal of Chem	ons on the ical Engineering,
5.	Pavlović, skup ""Pr	M.: Vale	orizacija sis ni inženjerir	tema kolekcije u pr ng i životna sredina	rocesu "", Niš:	reciklaže čvrst 1995, str. 186-	og komunalr 189	nog ot	pada, Međunarodna konfer	encija - naučni
6.	Sustainal	ole deve	lopment of	Banat region	,	,				
7.	Pavlović.	M., Ars	ovki S.: Cei	na kvaliteta, "Kvalit	et", 200	08, No. 1-2, str.	. 25- 28, ISS	SN 035	54-2408.	
8.	Stanojevi	ć, M., Jo , Revist	ovović, A., I a de Chimi	Radić, D., Pavlović, e, Syscom 18 s.r.l.	, M.: Ox , Bucha	kygen transfer irest, Romania	efficiency of ISSN: 0034	the a 4 - 775	eration process in refinery v 52, IF= 0.287 (2006.). 59. ni	vaste water . 2, 2008.
9.	Djapić, N Buchares	., Pavlo t, Roma	vić, M., Chlania, ISSN:	orophyl catabolite f 0034 - 7752, IF= 0	rom Pa .287 (20	rrotia persica a 006.). 59, nr. 2	autumnal lea , 2008.	aves, F	Revista de Chimie, Syscom	18 s.r.l.,
10. Arsovski, Z., Pavlović, M., Arsovski, S.,: Improving the quality of maintrance process using information technology, Strojniski							, Strojniski			
Sur	Summary data for teacher's scientific or art and professional activity:									
Quotation total : 0										
Total of SCI(SSCI) list papers : 5					5					
Current projects : Dome					Dome	stic :	3		International :	1



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Pilipović R. S	tevan		
Acad	emic title:				Full Professo	ſ		
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Sci	ences - Nov	<i>r</i> i Sad	
starti	ng date:				01.01.1973			
Scier	ntific or art f	ield:	X	1 01 0	Mathematics			
Acad	emic caries	er	Year					
Acad	emic title el	ection:	1987	Faculty of Sciences - No	ovi Sad		Mathematics	
PhD	thesis		1979	Faculty of Sciences - No	Deerred		Mathematics	
Bachelor's thesis 1977 Faculty of Mathematic				Faculty of Mathematics	- Beograd		Mathematics	
Bachelor's thesis 1973 Faculty of Sciences - N				Paculty of Sciences - No	Idv programme		Mathematics	
LISU		eing nei				:5		
	ID Course name				Study pro	gramme name, study type		
1.	DAU004	Select	ed Chapter	s in Mathematics 2		(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
						(H00) Mec	chatronics, Doctoral Academic Studies	
						(E10) Pow Engineerin	g, Doctoral Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Doctoral Studies	
						( F00) Gra Studies	phic Engineering and Design, Doctoral Academic	
						( F20) Eng	ineering Animation, Doctoral Academic Studies	
						( G00) Civi	l Engineering, Doctoral Academic Studies	
						( GI0) Geodesy and Geomatics, Doctoral Academic Studies		
2	DZ01M	Select	ed Chapter	s in Mathematics		(H00) Mechatronics, Doctoral Academic Studies		
	220	00.000	ea enapter			(120) Indus Doctoral A	strial Engineering / Engineering Management, cademic Studies	
					( M00) Mechanical Er		chanical Engineering, Doctoral Academic Studies	
					(M40) Technical Mechanics, Doctoral Academic Studies			
						( OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
						( S00) Traffic Engineering, Doctoral Academic Studies		
						( Z00) Environmental Engineering, Doctoral Academic		
						(Z01) Safety at Work, Doctoral Academic Studies		
Rep	presentative	reffere	nces (minin	num 5, not more than 10)				
1.	Atanacko APPLIED	vić TM, MATHI	Oparnica L EMATICS	, Pilipović S: On a model (2006) vol.71 br.1 str. 1-13	of viscoelastic	rod in unilat	eral contact with a rigid wall, IMA JOURNAL OF	
2.	Atanacko PHYSICS	vic, TM S A-MAT	Pilipovic, S	S Zorica, D: A diffusion wa	ave equation w (2007) vol.40 b	ith two fract r.20 str. 531	ional derivatives of different order, JOURNAL OF	
3.	Pilipovic, distributio	S. Teo ons. JOI	fanov, N. : I JRNAL OF	Multiresolution expansion, MATHEMATICAL ANALY	approximation	order and o	quasiasymptotic behavior of tempered , (2007) vol.331 br.1 str. 455-471	
4.	Obergug	genberg L OF M	er, M. Pilip ATHEMATI	ovic, S. Scarpalezos, D. CAL ANALYSIS AND API	: Positivity and PLICATIONS. (	positive def 2007) vol.3	initeness in generalized function algebras, 28 br.2 str. 1321-1335	
5.	Obergug MONATS	genberg SHEFTE	er, M. Pilip FUR MAT	ovic, S. Valmorin, V. : Gl HEMATIK, (2007) vol.151	obal representa br.1 str. 67-74	atives of Col	lombeau holomorphic generalized functions,	
6. Pilipovic, S Scarpalezos, D : Divergent type quasilinear Dirichlet p						blem with si	ngularities, ACTA APPLICANDAE	
<ul> <li>Pilipovic, Stevan Vuletic, Mirjana : Characterization of wave front sets b</li> <li>JOURNAL, (2006) vol.58 br.3 str. 369-391</li> </ul>					s by wavele	et transforms, TOHOKU MATHEMATICAL		
8. Hormann, G Oberguggenberger, M Pilipovic, S : Microlocal hypoellipticity of lin functions as coefficients, TRANSACTIONS OF THE AMERICAN MATHEMATIC						ear partial differential operators with generalized AL SOCIETY, (2006) vol.358 br.8 str. 3363-3383		
9. Mitrovic, D Pilipovic, S : Approximations of linear Dirichlet problems with singularities, JOURNAL OF ANALYSIS AND APPLICATIONS, (2006) vol.313 br.1 str. 98-119						rities, JOURNAL OF MATHEMATICAL		
10.	Pilipovic, MATHEM	Stevan IATICUI	Scarpalez M, (2006) v	os, Dimitris Valmorin, Vin ol.18 br.5 str. 789-801	cent : Equalitie	s in algebra	s of generalized functions, FORUM	

# UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Environmental Engineering Summary data for teacher's scientific or art and professional activity: Quotation total : 250

	250					
Total of SCI(SSCI) list papers :	258					
Current projects :	Domestic :	0	International :	0		



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Radonić R. J	elena	Radonić R. Jelena			
Acad	lemic title:				Assistant Pro	fessor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad					
starting date:					01.04.2004					
Scier	ntific or art f	ield:			Environment	Environment Protection Engineering				
Acad	lemic caries	er	Year	Institution			Field			
Acad	lemic title el	ection:	2009	Faculty of Technical Scie	ences - Novi S	ad	Environment Protection Engineering			
PhD	thesis		2009	Faculty of Technical Scie	ences - Novi S	ad	Environment Protection Engineering			
Magi	ster thesis		2006	University of Novi Sad -	Novi Sad		Environment Protection Engineering			
Bach	elor's thesis	S	2002	Faculty of Technology -	Novi Sad		Technological Engineering			
List o	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	s				
	ID	Course	e name			Study pro	gramme name, study type			
1.	URZP45	Mobile	Equipment	and Fire Extinguishing E	quipment	( ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies			
2.	URZP61	Funda	mentals of t	the Burning Processes Th	ieory	( ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies			
3.	Z102	Techn	ical Chemis	try		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic			
4.	Z109	Chemi	cal Principle	es in Environmental Engin	neering	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
5.	Z305	Data A	nalysis of E	Environmental Condition		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
						(Z01) Safe	ety at Work, Undergraduate Academic Studies			
6.	Z305A	Enviro	nmental dat	ta analysis		( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies			
7.	Z102	Tehnič	ka hemija(ι	uneti naziv na engleskom)	)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
8.	Z109	Hemijs sredine	ki principi u e(uneti nazi	ι inženjerstvu zaštite život v na engleskom)	ine	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
						( M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies			
						( M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies			
9.	Z151	Chemi	stry in Mecl	nanical Engineering		(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies			
						( P00) Prod Studies	duction Engineering, Undergraduate Academic			
						( ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies			
10.	Z153	Chemi	stry in Engi	neering		(Z01) Safe	ety at Work, Undergraduate Academic Studies			
11.	Z155	Chemi	cal Principle	es in Engineering		(Z01) Safe	ety at Work, Undergraduate Academic Studies			
12.	Z600	Chemi	cal Phenon	nena in Engineering		( ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies			
13.	Z503	Practic	al Course i	n Environment Protection		(Z20) Envi	ronmental Engineering, Master Academic Studies			
14.	Z507	Physic	al and Che	mical Principles		(Z20) Envi	ronmental Engineering, Master Academic Studies			
15.	Z507	Fizičko	hemijski p	rincipi(uneti naziv na engl	eskom)	(Z20) Envi	ronmental Engineering, Master Academic Studies			
16.	MPK005	Analys	is of enviro	nmental protection system	ns	( MPK) Inž naziv na ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies			
17.	SZD050	Transp multico	ort and dist	tribution of pollutants in he	eterogeneous	( Z00) Env Studies	ironmental Engineering, Specialised Academic			
18.	SZDO03	Applied Analysis of Physical and Chemica			Parameters	(Z00) Env Studies	ironmental Engineering, Specialised Academic			
19.	SZSP09	Reme	liation of cc	ontaminated locations		( Z00) Env Studies	ironmental Engineering, Specialised Academic			
20.	SZSP17	Savrer supsta	nene instru nci u životn	mentalne metode analize oj sredini	zagađujućih	( Z00) Env Studies	ironmental Engineering, Specialised Academic			

STAS STUDIO

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

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

LISU		eing heid by the teacher in the accred	alled sludy programme						
	ID	Course name		Study program	me name, study type				
21.	HDOK11	Advanced Application of ICT in Agric	culture	(H00) Mechatro	nics, Doctoral Academic Stu	dies			
22.	HDOL11	Advanced application of ICT in agric	ulture	(H00) Mechatro	nics, Doctoral Academic Stu	dies			
23.	ZD050	Transport and distribution of pollutar multicomponent systems	nts in heterogeneous	( Z00) Environm Studies	ental Engineering, Doctoral /	Academic			
24.	ZDO03	Applied Analysis of Physical and Ch	emical Parameters	( OM1) Mathema Studies ( Z00) Environm Studies	atics in Engineering, Doctora ental Engineering, Doctoral /	l Academic Academic			
				(Z01) Safety at	Work, Doctoral Academic St	udies			
Rep	oresentative	refferences (minimum 5, not more th	an 10)						
1.	Turk Sek Kragujev Singapur	ulić M., Radonić (Jakšić) J., Đogo M.: ac, Serbia U: Environmental, Health / , World Scientific, 2008, str. 284-295,	Characterization of g And Humanity Issues I ISBN 978-981-283-43	as/particle partitic In The Down Dan 9-3	ning of PCBs and PAHs in a ubian Region: Multidisciplina	a pilot area of iry Approaches,			
2.	Radonić generate ISSN 094	(Jakšić) J., Turk Sekulić M., Vojinović d during the war accident in Serbia I4-1344	-Miloradov M., Klanova , Environmental Scienc	a J.: Gas/particle ce and Pollution F	e partitioning of persistent org Research, 2009, Vol. 16, No	ganic pollutants 1, pp. 65-72,			
3.	<ul> <li>Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Klanova J.: Post-war levels of persistent organic pollutants (POPs)</li> <li>in air from Serbia determined by active and passive sampling methods , Environmental Chemistry Letters, 2007, Vol. 5, No 3, pp. 109-113, ISSN 1610-3653</li> </ul>								
4.	<ul> <li>Jovčić N., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Popov S.: Identification of emission sources of particle-bound polycyclic aromatic hydrocarbons in the vicinity of the industrial zone of the city of Novi Sad DOI:</li> <li>10 2298/HEMIND120113062. Hemijska industrija 2012 pp. 1-36 JSSN 0367-598X</li> </ul>								
5.	Grujić Le emerging 7103	tić N., Milić N., Turk Sekulić M., Rado organic contaminants in the Danube	nić (Jakšić) J., Milanov River samples by HPI	/ić M., Mihajlović ₋C, Chemicke Lis	I., Vojinović-Miloradov M.: Q ty, 2012, Vol. 106, pp. 264-2	Quantification of 66, ISSN 1213-			
6.	Milić N., I antibiotic HEAL R,	Milanović M., Grujić Letić N., Turk Sek s as emerging contaminant substance 2012, pp. 1-15, ISSN 0960-3123	kulić M., Radonić (Jakš es in aquatic environm	šić) J., Mihajlović ent DOI: 10.1080	I., Vojinović-Miloradov M.: C //09603123.2012.733934, IN	Occurrence of T J ENVIRON			
7.	Radonić coefficier industrial 10.2298/	Jakšić) J., Vojinović-Miloradov M., Tu t, KOA, as a predictor of gas-particle and urban sites, Journal of Serbian C JSC100616037R	ırk Sekulić M., Kiurski partitioning of polycyc chemical Society, 2011	J., Đogo M., Milo lic aromatic hydro I, Vol. 76, No 3, p	vanović D.: The octanol-air j carbons and polychlorinated p. 447-458, ISSN 0352-5139	partition I biphenyls at 9, UDK: doi:			
8.	Radonić based on 10.2298/	(Jakšić) J., Ćulibrk D., Vojinović-Milora M5' model trees, Thermal Science, 2 TSCI100809005R	adov M., Kukić B., Tur 011, Vol. 15, No 1, pp	k Sekulić M.: Pre . 115-124, ISSN (	diction of gas-particle partitic 0354-9836, UDK: doi:	oning of PAHs			
9.	<ul> <li>Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Šenk N., Okuka M.: Assessment of Atmospheric Distribution of</li> <li>Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons Using Polyparameter Model, Hemijska industrija, 2011, Vol. 65, No 4, pp. 371-380, ISSN 0367-598X, UDK: 504.5(497.11):547.621</li> </ul>								
10.	<ul> <li>Vojinović-Miloradov M., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Stošić M.: Emerging substances of concern – a shift in traditional thinking, 1. Environmental Protection of Urban and Suburban Settlements, Novi Sad: Ecological Movement of Novi Sad, 21-24 Septembar, 2011, pp. 265-271, ISBN 978-86-83177-44</li> </ul>								
Sur	Summary data for teacher's scientific or art and professional activity:								
Quot	ation total :		0						
Tota	Total of SCI(SSCI) list papers : 2								
Curre	ent projects	:	Domestic :	3	International :	3			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:						Raiković R Milan				
Acad	lemic title:	ame.				Senior Science	ce Associate			
Nam	e of the inst	titution v	vhere the te	acher works full time	e and	Vinča Institute	e of Nuclear	Sciences - Vinča		
starti	ng date:					01.01.2000				
Scier	ntific or art f	ield:				Physical Scie	nce			
Acad	lemic caries	er	Year	Institution		Field				
Acad	lemic title e	lection:	2005	Vinča Institute of N	luclea	r Sciences - Vi	nča	Physical Science		
PhD	thesis		1997	University of Belgra	ade - E	Beograd		Physics		
Magi	ster thesis		1983	University of Penns	sylvan	ia - Tennesse	e	Physics		
Bach	elor's thesis	S	1982	University of Penns	sylvan	ia - Tennesse	e	Physics		
List of courses being held by the teacher in the accredited					ed stu	idy programme	s			
	ID Course name					Study programme name, study type				
							(E10) Pow Engineerin (E20) Con Academic	er, Electronic and Telecommur g, Doctoral Academic Studies puting and Control Engineering Studies	nicatio g, Do	on octoral
							(F00) Gra	bhic Engineering and Design, D	)octoi	ral Academic
							(F20) Eng	neering Animation, Doctoral Ac	cader	nic Studies
								Engineering, Doctoral Academ	Acad	luules
							( GIU) Geo	hatronics, Doctoral Acadomics	Acau	
1.	DZ01M	Select	ed Chapter	s in Mathematics			(120) Indu	trial Engineering / Engineering	Man	es
							Doctoral A	ademic Studies	IVIdII	ayement,
							( M00) Me	hanical Engineering, Doctoral	Acad	emic Studies
							( M40) Tec	nnical Mechanics, Doctoral Aca	adem	ic Studies
							( OM1) Ma Studies	hematics in Engineering, Docto	oral A	Academic
							( S00) Traf	ic Engineering, Doctoral Acade	emic	Studies
							( Z00) Env Studies	ronmental Engineering, Doctor	al Ac	ademic
							( Z01) Safe	ty at Work, Doctoral Academic	Stud	lies
Rep	oresentative	e reffere	nces (minin	num 5, not more thar	n 10)		<u> </u>	•		
1.	D. Horak (2009) P(	, S. Mal 03034.	etić, M. Raj	ković, Persistent Hor	molog	y of Complex N	Vetworks, Jo	urnal of Statistical Mechanics a	and A	Applications
2.	Milan Raj Nuclear F	jković, N <sup>-</sup> usion 4	/l.M. Škorić, ⋅8 (2008) 1-	K. Sølna and G. An 13.	itar, Cl	haracetrization	of Local Tu	rbulence in Magnetic Confinem	ient E	Devices,
3.	Mladen N symmetry	likolić a / group	nd Milan Ra solvable by	ijković, A group theo quadratures, Nonlir	oretic a near D	approach to a c Dynamics 48 (2	class of third 007) 17-27.	order differential equations wit	two	o parameter
4.	Mladen N 22 (2006	likolić a ),	nd Milan Ra	ijković, Bifurcations i	in Non	linear Models	of Fluid Cor	veying Pipes, Journal of Fluids	and	Structures,
5.	Z. Mihailo	ović and	M. Rajkovi	ć, Cooperative Parro	ondo's	games on a ty	vo-dimensio	nal lattice, Physica A 365 (200	)6) 24	44-251
6.	Milan Raj Nuclear F	jković, T ⁼usion 4	omo-hiko V 9 (2009) 09	Vatanabe and M.M. 3 95016i	Škorić	, Level crossin	g function in	the Analysis of Confined Plas	ma T	urbulence,
7.	Milan Ra 48 (2008	jković ai ) L31-L3	nd M.M. Ško 35.	orić, Characterization	n of In	termittency in	Plasma Edg	e Turbulence; Contributions to	Plasr	ma Physics
8.	8. M. Rajković, Nonextensive entropy as a measure of time series complexity, Physica A 340 (2004) 327-333									
9.	M. Rajko	vić and .	Z. Mihailovi	ć, Quantifying Comp	lexity	in the Minority	Game, Phy	sica A 325 (2003) 40 - 47		
10.	Z. Mihailo (2003) L3	ović and 389 - 39	M. Rajkovi 8	ć, One-dimensional	Async	hronous Coop	erative Parr	ondo's Games, Fluctuation and	I Nois	se Letters 3
Sur	nmary data	for tead	her's scien	tific or art and profes	sional	l activity:				
Quotation total : 100										
Tota	of SCI(SS	CI) list p	apers :		22					
Curre	ent projects	:			Dome	stic :	1	International :	1	1



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	e and last n	ame:			Ralević M. Ne	ebojša			
Acad	lemic title:				Full Professo	Full Professor			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad		
start	ing date:				01.10.1990	01.10.1990			
Scier	ntific or art f	ield:	X	1	Mathematics				
Acad	temic caries	er	Year	Institution	Nevi O	1	Field		
Acac	thesis	lection:	2010	Faculty of Lechnical Sci	ences - Novi Sa	ad	Mathematics		
Magi	inter thesis		1997	Faculty of Sciences - No	wi Sad		Mathematical Sciences		
Bach	elor's thesis		1994	Faculty of Sciences - No	wi Sad		Mathematical Sciences		
List	of courses h	o eina he	Id by the te	acher in the accredited stu			Mathematical Sciences		
LIOU						.5			
	ID	Course	e name			Study pro	gramme name, study type		
1.	H103	Mathe	matics 1			(H00) Mec	chatronics, Undergraduate Academic Studies		
2.	H107	Mathe	matics 2			(H00) Med	chatronics, Undergraduate Academic Studies		
2	M4201	Matha	mation 2			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
э.	1014201	Maure	matics 5			( M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies		
4.	M4202	Applie	d Mathema	tical Analysis		( M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies		
5.	P216	Numer	rical Analys	is		(P00)Proo Studies	duction Engineering, Undergraduate Academic		
6.	0M502	Partial	Differential	Equations		( OM1) Ma Studies	thematics in Engineering, Master Academic		
7.	0M508	Mathe	matical Fou	ndations of Fuzzy System	าร	( OM1) Ma Studies	thematics in Engineering, Master Academic		
8.	0M517	Numer	rical Analys	is		( OM1) Ma Studies	thematics in Engineering, Master Academic		
9.	0ML502	Partial	Differential	Equations		( OM1) Mathematics in Engineering, Master Academic Studies			
10.	0ML508	Mathe	matical Fou	ndations of Fuzzy System	าร	( OM1) Ma Studies	thematics in Engineering, Master Academic		
11.	0ML517	Numer	rical Analys	is		( OM1) Ma Studies	thematics in Engineering, Master Academic		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
						( I12) Indu	strial Engineering, Specialised Academic Studies		
12.	DZ01MS	Select	ed Chapter	s in Mathematics		(I22) Engi Studies	neering Management, Specialised Academic		
						( Z00) Env Studies	ironmental Engineering, Specialised Academic		
13.	Z506	20BAd	Ivanced Co	urse in Mathematics 1		(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
						(Z20) Envi	ronmental Engineering, Master Academic Studies		
14.	Z506	Viši ku	irs matemat	ike 1(uneti naziv na engle	eskom)	(Z20) Envi	ronmental Engineering, Master Academic Studies		
15.	D0M02	Partial	Differential	Equations		( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
16.	D0M07	Mathe	matical Fou	ndations of Fuzzy System	าร	( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
17.	D0M21	Fuzzy Systems and Their Applications				( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
18.	D0M38	Non-lir	near Equation	ons and Their Application	S	( OM1) Mathematics in Engineering, Doctoral Academic Studies			
19.	D0M39	Optimi	zation Meth	nods and Mathematical Mo	odelling	Control Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies			

4	AS STUD		UNIVERSITY OF NOVI SAD								
AN A	NULL OF BR	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI S	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	STATE					
5,7		Study Program	me Accredita	ation - Ph[	D Studies	Contraction of the					
FOX	LANTEN	DOCTORAL ACADEMIC STUDIES	S	En	vironmental Engineering	HOBY HOBY					
List c	of courses b	eing held by the teacher in the accred	- lited study programme	s		-					
	ID	Course name		Study program	me name, study type						
20.	DOM54	Computational geometry		(F20) Engineerin (OM1) Mathema Studies	ng Animation, Doctoral Aca atics in Engineering, Docto	ademic Studies ral Academic					
21.	DOM55	Pattern Recognition		<ul> <li>(F20) Engineering Animation, Doctoral Academic Studies</li> <li>(OM1) Mathematics in Engineering, Doctoral Academic Studies</li> </ul>							
22.	DZ01M	Selected Chapters in Mathematics		(E10) Power, El Engineering, Doc (E20) Computin Academic Studies (F00) Graphic E Studies (F20) Engineerin (G00) Civil Engi (G10) Geodesy a (H00) Mechatro (I20) Industrial E Doctoral Academ (M00) Mechanica (M40) Technical (OM1) Mathema Studies (S00) Traffic En (Z00) Environme Studies	ectronic and Telecommunictoral Academic Studies g and Control Engineering singineering and Design, Do ng Animation, Doctoral Aca neering, Doctoral Academ and Geomatics, Doctoral A nics, Doctoral Academic S Engineering / Engineering I nic Studies cal Engineering, Doctoral Academ atics in Engineering, Doctoral Academ	ication , Doctoral octoral Academic ademic Studies ic Studies tudies Management, Academic Studies ral Academic mic Studies al Academic					
Rep	oresentative	refferences (minimum 5, not more th	an 10)	(201) ouldly ut		oldaloo					
1.	E. Pap, N	. Ralević, Pseudo-Laplace transform.	Nonlinear Analysis: T	heory Methods ar	nd Applications, 33 (1998).	533-550.					
2.	N. M. Ral represent	ević, Lj. M. Nedović, T. Grbić, The ps ation of their solution by the pseudo-i	eudo-linear superposit ntegral, Fuzzy Sets an	ion principle for n d Systems 155 (2	onlinear partial differential 2005) 89-101	equations and					
3.	Lj. M. Neo (2005) 65	dović, N. M. Ralević, T. Grbić,Large d	deviation principle with	generated pseud	lo measures,Fuzzy Sets ar	nd Systems 155					
4.	T. Lukić, (accepteo	N. M. Ralević, Geometric Mean Newt	on"s Method for Simple	e and Multiple Ro	ots, Applied Mathematics	Letters					
5.	N. M. Ral	ević, One characterization of Navier-S	tokes equation, Acta N	lechanica Slova	ca, Košice, ročnik 8., č. 4/2	2004, str. 97-102.					
6.	N. Ralevi	ć, Some new properties of g-calculus	, Univ. u Novom Sadu	Zb. Rad. PrirodI	Mat. Fak. Ser. Mat. 24, 1 (*	1994), 139-157.					
7.	E. Pap, N	. Ralević, Pseudo operations on finite	e intervals, Novi Sad J.	Math. Vol. 29, No	o. 1, 1999, 1-6						
8.	N. M. Ral	ević, A generalization of the Pseudo-	Laplace transform, Nov	vi Sad J. Math. Vo	ol. (accepted).						
9.	I. Kovače	vić, N. Ralević, Funkcionalna analiza	, Edicija tehničke nauk	e, Novi Sad (2004	4), 203 str.						
10.	I. Kovače	vić, N. Ralević, Matematička analiza	l (uvodni pojmovi i grai	nični procesi), No	vi Sad (2000), 155 str.						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:								
Quot	ation total :		28								
Total	of SCI(SSC	J) list papers :	10 Domostic :	2	International :						
	Fur projects	•	Domestic.	<u> </u>	miemaii011di .	1 9					



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:				Satarić V. Miljko				
Acad	lemic title:				Full Professo	r			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	ences - Novi Sad		
starti	ng date:				03.01.1973				
Scier	ntific or art f	ield:	-		Physics				
Acad	Academic carieer Year Institution			Institution			Field		
Academic title election: 1995 Faculty of Technical Sci			ences - Novi S	ad	Physics				
PhD	thesis		1984	School of Electrical Eng	ineering - Beog	ırad	Physics		
Magi	ster thesis		1979	School of Electrical Eng	ineering - Beog	ırad	Physics		
Bach	elor's thesi	s	1972	Faculty of Sciences - No	ovi Sad		Physics		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	ogramme name, study type		
1	E103	Physic				( E10) Pov Engineerin	ver, Electronic and Telecommunication ng, Undergraduate Academic Studies		
1.	L 103	FIIySic	,5			( MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
2.	E215	Physic	s			( E20) Cor Academic	(E20) Computing and Control Engineering, Undergraduate Academic 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) Environmental Engineering, Undergraduate Academ Studies			
5.	El410	Biophy	/sics			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
6.	DE203S	Odabr	ana poglavl	ja iz kvantne elektronike		(E11) Pov Engineerin	ver, Electronic and Telecommunication ng, Specialised Academic Studies		
7.	DE301S	Molek	ularna elekt	ronika(uneti naziv na engl	leskom)	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies			
						(E11) Pov Engineerin	ver, Electronic and Telecommunication ng, Specialised Academic Studies		
						( I12) Indu	strial Engineering, Specialised Academic Studies		
8.	DZ01FS	Select	ed Chapter	s in Physics		(I22) Engi Studies	neering Management, Specialised Academic		
						( Z00) Env Studies	ironmental Engineering, Specialised Academic		
9.	EM511	Quant	um and Org	anic Electronics		(E10) Pow Engineerin	er, Electronic and Telecommunication ng, Master Academic Studies		
10.	SI028	Biophy	/sics			( E00) Pov Engineerin	ver, Electronic and Telecommunication ng, Specialised Professional Studies		
11.	DE203	Select	ed Chapter	s in Quantum Electronics		(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			
12.	DE301	Molec	ular Electro	nics		(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			

SESTAS STUDIO		FACULTY OF TECHNICAL SCI	UNIVERSITY OF NO	VI SAD SAD, TRG DOSII	TEJA OBRADOVIĆA 6	STHUNKNY MAL			
SUL NO.	ANTEN S	Study Program	me Accredit	ation - Phl	D Studies	THE REAL PROPHER			
List o	of courses b	eing held by the teacher in the accred	dited study programme	es El		-			
	ID	Course name		Study program	me name, study type				
13.	DZ01F	Selected Chapters in Physics		<ul> <li>(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies</li> <li>(E20) Computing and Control Engineering, Doctoral Academic Studies</li> <li>(F00) Graphic Engineering and Design, Doctoral Academic Studies</li> <li>(G00) Civil Engineering, Doctoral Academic Studies</li> <li>(G00) Civil Engineering, Doctoral Academic Studies</li> <li>(G10) Geodesy and Geomatics, Doctoral Academic Studies</li> <li>(H00) Mechatronics, Doctoral Academic Studies</li> <li>(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies</li> <li>(M00) Mechanical Engineering, Doctoral Academic Studies</li> <li>(M40) Technical Mechanics, Doctoral Academic Studies</li> <li>(OM1) Mathematics in Engineering, Doctoral Academic Studies</li> <li>(S00) Traffic Engineering, Doctoral Academic Studies</li> <li>(Z00) Environmental Engineering, Doctoral Academic Studies</li> </ul>					
Representative refferences (minimum 5, not more than 10)									
1.	S. Zdravk Model",Pl	ović, M.V. Satarić, "Single-Molecule I hys.Rev.E73,021905-11,2006.	Jnzipping Experiments	on DNA Peyrard	d-Bishop-Dauxois				
2.	J. A. Tusz of tubulin no.10, pp	ynski, J. A. Brown, E. Crawford, E. J structure and calculations of electros . 1055-1070, 2005.	. Carpenter, M. L. A. N tatic properties of micr	lip, J. M. Dixon, N otubules", Mathe	<ol> <li>Satarić, "Molecular dyna matical and Computer Mod</li> </ol>	mics simulations delling, vol. 41,			
3.	M. Satario no. 3, pp.	ć, B. Satarić, J. A. Tuszynski, "Nonline 255-264, 2005.	ear model of microtubu	ile dynamics", Ele	ectromagnetic Biology and	Medicine, vol.24,			
4.	S. Zdravk Computat	ović J. A. Tuszynski, M. Satarić "Pey tional and Theoretical Nanoscience, v	rard-Bishop-Dauxois n /ol. 2, no. 2, pp. 263-2	nodel of DNA dyn 71, 2005.	amics and impact of visco	sity", Journal of			
5.	S. Zdravk Physics L	ović, M. Satarić, "Optical and Acousti etters 22, pp. 850-853, 2005.	cal Frequencies in a N	Ionlinear Helicoid	al Model of DNA Molecule	", Chinese			
6.	S. Portet, influence	J. A. Tuszynski, J. M. Dixon, M. Sata of gravitational fields", Physical Revie	nrić, "Models of spatial ew E, vol. 68, no. 2, 20	and orientational 03.	self-organization of microt	ubules under the			
7.	M. Satario Review E	ć, J. A. Tuszynski, "Relationship betw , vol. 67, no. 1, 2003.	een the nonlinear ferro	electric and liqui	d crystal models for microt	ubules", Physical			
8.	S. Zdravk	ović, M. Satarić, "DNA dynamics and 3. 2003.	big viscosity", Internat	tional Journal of N	Modern Physics B, vol.17,	no. 31-32, pp.			
9.	M. Satario 2002.	ć, J. A. Tuszynski, "Impact of regulato	ry proteins on the non	linear dynamics of	of DNA", Physical Review E	E, vol. 65, no. 5,			
10.	G. Kekov	ić, D. Raković, M. Satarić, D. Koruga, Research in Advanced Materials and F	"A kink-soliton model Processes, vol 494 pr	of charge transpo 507-512 2005	ort through microtabular cy	toskeleton",			
Sur	mmary data	for teacher's scientific or art and profe	essional activity:						
Quot	tation total :		295						
Tota	l of SCI(SSC	CI) list papers :	67						
Current projects : Domestic : 1 International : 2									

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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:				Sladoje Matić I. Nataša				
Acad	emic title:				Associate Professor				
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad		
starti	ng date:				14.03.1994				
Scier	ntific or art f	ield:			Mathematics				
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	ection:	2011				Mathematics		
PhD	thesis		2005	University of Novi Sad -	Novi Sad		Mathematical Sciences		
Magi	ster thesis		1998	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Bach	elor's thesis	S	1992	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	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	A101	Mathe	matics			(A00) Arcl	nitecture, Undergraduate Academic Studies		
2.	E135B	Mathe	matical Ana	Ilysis 2		( GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
3.	GI107	Mathe	matical Ana	Ilysis 1		( GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
4.	IAM001	Mathe	matical Sha	pe Modeling for Compute	r Animation	(F10) Eng Studies	ineering Animation, Undergraduate Academic		
5.	IAM004	Geometry of Discrete Space				(F10) Eng Studies	) Engineering Animation, Undergraduate Academic es		
6.	IGA008	Mathematics for Engineering Graphics				(F10) Eng Studies	ineering Animation, Undergraduate Academic		
7.	BMI91	Mathematics 1				( BM0) Bio Studies	medical Engineering, Undergraduate Academic		
8.	BMI92	Mathematics 2				( BM0) Bio Studies	medical Engineering, Undergraduate Academic		
9.	E101A	Discre	te Mathema	atics		( E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
						(112) Industrial Engineering, Specialised Academic			
10.	DZ01MS	Selected Chapters in Mathematics				(I22) Engi Studies	neering Management, Specialised Academic		
						( Z00) Environmental Engineering, Specialised Academic Studies			
11.	Z506	20BAd	Ivanced Co	urse in Mathematics 1		(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
						(Z20) Envi	ronmental Engineering, Master Academic Studies		
12.	IA018	Compu	uter Geome	try		( F20) Eng	ineering Animation, Master Academic Studies		
13.	D0M28	Digital	Geometry			( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
14.	D0M29	Image	Processing	1		( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
15.	D0M30	Image	Processing	2		( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
16.	D0M31	Applie	d Algorithm	S		(OM1)Ma Studies	thematics in Engineering, Doctoral Academic		
17.	D0M32	Combi	natorial and	d Geometric Algorithms		( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
18.	D0M33	Positio	onal Games			( OM1) Mathematics in Engineering, Doctoral Academic Studies			

HASTAS STUDIORU			UNIVERSITY OF NOVI SAD							
		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6					
23		Study Program	me Accredit	ation - PhE	D Studies	Con the				
`O,	LANTER	DOCTORAL ACADEMIC STUDIE	S	En	vironmental Engineering	HOU HOU				
List o	of courses b	eing held by the teacher in the accred	dited study programme	s						
	ID	Course name		Study programr	ne name, study type					
19.	DZ01M	Selected Chapters in Mathematics		<ul> <li>(E10) Power, Electronic and Teleconfinduication Engineering, Doctoral Academic Studies</li> <li>(E20) Computing and Control Engineering, Doctoral Academic Studies</li> <li>(F00) Graphic Engineering and Design, Doctoral Academic Studies</li> <li>(F20) Engineering Animation, Doctoral Academic Studies</li> <li>(G00) Civil Engineering, Doctoral Academic Studies</li> <li>(G10) Geodesy and Geomatics, Doctoral Academic Studies</li> <li>(H00) Mechatronics, Doctoral Academic Studies</li> <li>(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies</li> <li>(M00) Mechanical Engineering, Doctoral Academic Studies</li> <li>(M40) Technical Mechanics, Doctoral Academic Studies</li> <li>(OM1) Mathematics in Engineering, Doctoral Academic Studies</li> <li>(S00) Traffic Engineering, Doctoral Academic Studies</li> <li>(Z00) Environmental Engineering, Doctoral Academic Studies</li> </ul>						
20.	AID07	Digital geometry		(F20) Engineerir	ng Animation, Doctoral Aca	idemic Studies				
Re	presentative	e refferences (minimum 5, not more th	ian 10)		<u> </u>					
1.	Sladoje N Computir	N., Lindblad J., Nystrom I.: Defuzzifica ng, 2011, Vol. 29, No 2-3, pp. 127-141	ation of spatial fuzzy se	ets by feature dist	ance minimization., Image	and Vision				
2.	Lukić T., 2011, Vo	Lindblad J., Sladoje N.: Regularized I. 27, No 8, pp. 8501-1, ISSN 0266-56	Image Denoising Base	ed on Spectral Gra	adient Optimization, Inverse	e Problems,				
3.	Sladoje N Pattern A	I., Lindblad J.: High precision bound nalysis and Machine Intelligence, 200	dary length estimation 09, Vol. 31, No 2, pp. 3	by utilizing grey-le 57-363, ISSN 016	evel information ,IEEE Tr 52-8828	ansactions on				
4.	N. Sladoj No. 5, pp	e and J. Lindblad, "Representation a . 517-534, 2007.<\eng>	nd Reconstruction of F	uzzy Disks by Mo	oments", Fuzzy Sets and S	ystems, Vol. 158,				
5.	N. Sladoj Computir	e, I. Nyström, and P.K. Saha, "Measu ng, vol. 23, pp 123-132, 2005.<\eng>	rements of digitized ol	bjects with fuzzy b	orders in 2D and 3D", Imag	ge and Vision				
6.	J. Zunic a and Mac	and N. Sladoje, "Efficiency of Charact hine Intelligence, vol.22, No.4, pp 40	terizing Ellipses and E 7-414, 2000.<\eng>	Ilipsoids by Discre	ete Moments", IEEE Trans	Pattern Analysis				
7.	J. Chanu Pattern F	ssot, I. Nyström and N. Sladoje, "Sha Recognition Letters, vol. 26(6), pp. 735	pe signatures of fuzzy 5-746, 2005.<\eng>	star-shaped sets	based on distance from the	e centroid",				
8.	Ćurić,V. Acceptec	, Lindblad, J., Sladoje, N., Sarve, H., I for Pattern Analysis and Applications	Borgefors, B. A new s, 2012.	set distance and it	ts application to shape regi	stration.				
9.	Lindblad Thicknes	L., Sladoje N. Coverage Segmentatio s. Pattern Recognition Letters, Vol. 3	n based on Linear Un 3, No.6, pp. 728-738,	mixing and Minimi 2012.	zation of Perimeter and Bo	undary				
10.	Malmber Compute	g F., Lindblad J., Sladoje N., Nystrom r Science, 2011, Vol. 412, No 15, pp.	I.: A graph-based fram 1338-1349	mework for sub-pi	xel image segmentation, T	heoretical				
Sur	mmary data	for teacher's scientific or art and profe	essional activity:							
Quotation total : 71										
Tota	l of SCI(SS	CI) list papers :	21							
Curre	ent projects	:	Domestic :	2	International :	3				



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:					Sokolović M. Slobodan				
Acad	lemic title:	ame.				Full Professo	r			
Nam	e of the inst	itution v	vhoro tho to	acher works full tin	ha and	Faculty of Te	chnical Scie	nces	Novi Sad	
starti	ng date:					30.09.2011				
Scier	ntific or art f	ield:				Gas and Petroleum Technics				
Acad	lemic caries	er	Year	Institution		•		Field	1	
Acad	lemic title e	ection:	1997	Faculty of Techno	ology -	Novi Sad		Gas	and Petroleum Technics	
PhD	thesis		1986	Faculty of Techno	ology -	Novi Sad		Tecl	nological Engineering	
Magister thesis 1980 Faculty of Technology			ology -	Novi Sad		Tecl	nological Engineering			
Bachelor's thesis 1970 Faculty of Technology			ology a	nd Metallurgy -	Beograd	Tecl	nological Engineering			
List o	of courses b	eing he	ld by the te	acher in the accred	ited stu	udy programme	s			
	ID Course name Study programme name, study type									
		E consta				10			d Deserve Freeinserien, He	
1.	M3315	Indust	mentais in i ry	Ecological Oli Analy	ysis an	d Gas	(M30) Ene	ergy a Studie	na Process Engineering, Un es	dergraduate
2.	Z414	Z414 Contemporary Methods of Soil Remediatio					(Z20) Envii Studies	ronme	ental Engineering, Undergrad	duate Academic
3.	SZSP09 Remediation of contaminated locations						( Z00) Envi Studies	)) Environmental Engineering, Specialised Academic ies		
4.	4. ZSP09 Remediation of Contaminated Sites						( Z00) Envi Studies	ironm	ental Engineering, Doctoral	Academic
Rep	Representative refferences (minimum 5, not more than 10)									
1.	Govedari Flow thro 10 1021/i	ca D., Š ugh Fib e30269	ećerov Sok er Beds, In 67 )	olović R., Sokolovi dustrial & Enginee	ć D., S ring Ch	okolović S.: Ev nemistry Resea	aluation of t rch, (rad prij	he Se jvaćer	paration of Liquid-Liquid Dis 1 za štampu 17.11.2012,DOI	persions by :
2.	Šećerov Separatio	Sokolov	ić R., Soko Purification	lović S., Govedarica Technology, 2009.	a D.: F Vol. 68	Performance of 3. No 2. pp. 267	expanded p -272. ISSN	olysty 1383	vrene particles in deep bed fi 5866	iltration,
3.	Šećerov Hazardou	Sokolov us Mater	ić R., Soko rials. 2009.	lović S., Šević S.: C Vol. 162. No. 1. pp	Dily wat . 410-4	ter treatment us	sing a new s	steady	-state fiber-bed coalescer, J	ournal of
4.	Radmila water em	M. Šeće ulsion S	erov Sokolo Separation a	vić, Tatjana J. Vulić and Purification Teo	, Slobo	odan M. Sokolo gy, 2007,Volum	vić, Effect o e 56, Issue	of bed 1, Pa	length on steady-state coale ges 79-84	escence of oil-in-
5.	Šećerov Industrial	Sokolov and En	ić R, Vulić <sup>-</sup> gineering C	T., Sokolović S., El Chemistry Research	ffect of 1, 2006	Fluid Flow Orie , vol 45. No.11	entation on t pp.3891-38	the Co 95	palescence of Oil Droplets in	Steady-State,
6.	Šećerov in-Water	Sokolov Emulsio	ić R., Soko on Industrial	lović S., Effect of th and Engineering C	e Natu Chemis	ure of Different l try Research, 2	Polymeric Fi 2004, vol. 43	ibers 3,br. 2	on Steady-State Bed Coales 0, str. 6490-6495.	cence of an Oil-
7.	Šećerov Coalesce	Sokolov nce Ind	ić R., Soko ustrial and	lović S., T., Vulić, R Engineering Chemi	R. Marin stry Re	nković Nedučin esearch, 2003,	, Effect of Fi vol.42 No.1	ibrous 13 309	Bed Permeability on Steady 8-3102.	y-State
8.	Sokolovio Science -	S., Zav Interna	/argo Z., So tional Scier	okolović D.: Sustain ntific Journal, 2012,	nable [ Vol. 1	Development, C 6, No 1, ISSN (	lean Techn )354-9836	ology	And Knowledge From Indus	try , Thermal
9.	Sokolovid	S., Teł	nnologija pr	oizvodnje i primene	e tečnih	n maziva, 1998				
10.	Šećerov	Sokolov	ić R., Soko	lović S., Inženjerstv	o u za	štiti okoline,Teł	nnološki faku	ultet, 2	2002.	
Sur	nmary data	for teac	her's scien	tific or art and profe	essiona	al activity:				
Quot	ation total :				42					
Tota	of SCI(SS	CI) list p	apers :		19					
Curre	ent projects	:		Current projects : Domestic : 1 International : 1						



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:				Spasić T. Dragan			
Acad	lemic title:				Full Professo	r		
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad	
starti	ng date:				01.09.1985			
Scier	ntific or art f	ield:			Mechanics			
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	lection:	2005	Faculty of Technical Sci	ences - Novi S	ad	Mechanics	
PhD	thesis		1993	Faculty of Technical Sci	ences - Novi S	ad	Mechanics	
Magi	ster thesis		1991	Faculty of Mathematics	- Beograd			
Bach	elor's these	S	1884	Faculty of Technical Sci	ences - Novi S	ad	Information-Communication Systems	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	es I		
	ID	Course	e name			Study pro	gramme name, study type	
						(A00) Arcl	nitecture, Undergraduate Academic Studies	
1.	A207	Mecha	inics			(F10) Eng Studies	ineering Animation, Undergraduate Academic	
						( H00) Mea	chatronics, Undergraduate Academic Studies	
2.	H112	Mecha	nics 1 – Fu	ndamentals		( S00) Trat Academic	fic and Transport Engineering, Undergraduate Studies	
3.	H201	Mecha	nics 2 - Ge	neral		( H00) Med	chatronics, Undergraduate Academic Studies	
4.	H303	Mecha	tronics 3 –	Further Chapters		( H00) Med	chatronics, Undergraduate Academic Studies	
						(F10) Eng Studies	ineering Animation, Undergraduate Academic	
5.	1600	Indust	rial Robotic	S		( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
6.	M4302	Biomechanics and mechanics of sport				(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
7.	ASO	Introdu	uction to en	gineering		(AS0) Sce Undergrad	enic Architecture, Technique and Design, uate Academic Studies	
8.	BMI127	Biome	chanics			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
9.	BMI128	Contin	uum Biome	chanics		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
10.	BMI96	Mecha	inics			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
11.	II1004	Mecha	nics and In	dustrial Engineering		(110) Indus Studies	strial Engineering, Undergraduate Academic	
12.	M44041	Dynam	nics of non-	smooth mechanical system	ms	(M40) Teo Undergrad	nical Mechanics and Technical Design, uate Academic Studies	
13.	M44061	Optimi	zation of m	echanical systems		(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
14.	BMIM4A	Transp	oort phenon	nena and Living systems		(BM0) Bio	medical Engineering, Master Academic Studies	
15.	M45991	Biome	chanics of o	cardiovascular system		(M40) Teo Academic	chnical Mechanics and Technical Design, Master Studies	
16.	SZD051	Applica enviror	ations of op	timal control theory in livir	ng	( Z00) Env Studies	ironmental Engineering, Specialised Academic	
						( H00) Med	chatronics, Doctoral Academic Studies	
						( M00) Me	chanical Engineering, Doctoral Academic Studies	
17.	DM406	Nonsm	nooth Mech	anics and Optimization		( M40) Tec	hnical Mechanics, Doctoral Academic Studies	
						( OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
18.	DZ003	Select	ed Chapter	s in Mechanics		( M00) Me	chanical Engineering, Doctoral Academic Studies	

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



Study Programme Accreditation - PhD Studies



DOCTORAL ACADEMIC STUDIES

Environmental Engineering

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

LIOU			nea etaay programme						
	ID	Course name		Study programr	me name, study type				
19.	ZD051	Applications of optimal control theory environment protection	y in living	( Z00) Environme Studies	ental Engineering, Doctoral /	Academic			
20.	DM801	Biomedical mechanics		(M40) Technical	I Mechanics, Doctoral Acade	mic Studies			
21.	DTM02	Theory of impact		(H00) Mechatron (M00) Mechanic (M40) Technical (S00) Traffic En	nics, Doctoral Academic Stu cal Engineering, Doctoral Aca I Mechanics, Doctoral Acade gineering, Doctoral Academi	dies ademic Studies emic Studies ic Studies			
22.	DTM03	Biomechanical models and analysis	of impact	(M40) Technical	Mechanics, Doctoral Acade	mic Studies			
23.	ZRD16A	Selected chapters in mechanics and	elasticity theory	(Z01) Safety at V	Work, Doctoral Academic St	udies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.	1. Spasić D., Glavardanov V.: Does generalized elastica lead to bimodal optimal solutions?, International Journal of Solids and Structures, 2009, Vol. 46, No 14-15, pp. 2939-2949, ISSN 0020-7683								
2.	2. Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, INT J BIFURCAT CHAOS, 2012, No Prihvaćen za štampu, ISSN 0218-1274								
3.	3. D. T. Spasic and T. M. Atanackovic (2004), "Bimodal optimization of a compressed rotating rod", Acta Mechanica, 173, N 1-4, 77- 87								
4.	Spasić D.: Optimizing the elctrodynamical stabilization method for a man-made Earth satellite, AUTOMAT REM CONTR , 2011, Vol. 72, No 9, pp. 112-121, ISSN 0005-1179								
5.	Petrović I 125-128,	Lj., Spasić D., Atanacković T.: On a r ISSN 0109-5641	mathematical model of	f a human root de	ntin , Dental Materials, 200	5, Vol. 21, pp.			
6.	Mitić G., disease,	Spasić D.: Clinical Characteristic and GYNECOL OBSTET INVES, 2011, Vo	type of thrombophilia ol. 72, No 2, pp. 103-1	in women with pro 08, ISSN 0378-73	egnancy-related venous thro 346	mboembolic			
7.	T. M. Ata Applied N	nackovic and D. T. Spasic, (2004): "O /lechanics, 71, 134-138	n viscoelastic complia	nt contact-impact	models", Transactions of AS	SME Journal of			
8.	Radovic opportuni Sad, (mo	R., Spasic D.T., Karadzic B., Novakov ities for the city of Novi Sad"", Coordin nograph 157 pages in English and Se	ic B., Atanackovic J., . nated by T. Atanackovi rbian)	Jelicic Z and Tep ic, The Danube Co	pavcevic B., (2002), ""New cl ommision of EU and The Un	hallenges and iversity of Novi			
9.	Spasić D knjiga, 20	.: Boudary elements, theory and appl 011	ications (English to se	rbian traslation do	one by D.T. Spasić), Beograd	d, Gradjevinska			
10.	BD Vujar 1997.	ović, DT Spasić: Metodi optimizacije:	primenjeni varijacioni	račun, analitička r	mehanika, optimalno upravlj	anje, UNS,			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		16						
Total	of SCI(SS	CI) list papers :	8						
Curre	Current projects : Domestic : 1 International : 0								



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:				Stojaković M. Mila				
Acad	lemic title:				Full Professo	r			
Nam	e of the inst	titution w	where the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad		
starti	ng date:	iald.			01.12.1975				
Scier	Intific or art f	ieia:	Voor	Institution	Mathematics		Field		
Acad	lemic canee		1002	Faculty of Tachnical Sai	onoon Novi S	Nevi Cad Mathematica			
		ection.	1995	Faculty of Sciences - No	wi Sad	au	Mathematical Sciences		
Magi	ster thesis		1900	Faculty of Mathematics	- Reograd	Beograd Mathematical Sciences			
Bach	elor's thesi	\$	1975	Faculty of Sciences - No	vi Sad	i Sad Mathematical Sciences			
List	of courses b	eina he	ld by the te	acher in the accredited stu	idv programme	s			
	ID	Course	e name		<u> </u>	Study pro	gramme name, study type		
1.	E121	Mathe	matical Ana	Ilysis 2		(E10) Pow Engineerin	er, Electronic and Telecommunication g. Undergraduate Academic Studies		
	= 105					( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
2.	E135	Probat	oility, Statis	tics and Stochastic Proces	SSES	(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
	E004A	Mother	motion! Area			( E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
э.	EZZTA	Mathe	malical Ana	iiysis z		( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
		Probability and Stochastic Processes				(E20) Computing and Control Engineering, Undergraduate Academic Studies			
4.	E224A					( ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
		11000	sinty and ot			( SE0) Soft Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						( SEL) Soft Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
5.	ZC006	Probat	oility, Statis	tics and Random Process	es	(ZC0) Clea	20) Clean Energy Technologies, Undergraduate ademic Studies		
6.	0M504	Operat	tional Rese	arch		(OM1) Ma Studies	thematics in Engineering, Master Academic		
7.	0M505	Stocha	astic Proces	ses		(OM1) Ma Studies	thematics in Engineering, Master Academic		
8.	0ML504	Operat	tional Rese	arch		(OM1) Ma Studies	thematics in Engineering, Master Academic		
9.	0ML505	Stocha	astic Proces	sses		( OM1) Ma Studies	thematics in Engineering, Master Academic		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
10.	DZ01MS	Select	ed Chapters	s in Mathematics		( I12) Indus ( I22) Engi	strial Engineering, Specialised Academic Studies neering Management, Specialised Academic		
						Studies (Z00) Env	ironmental Engineering, Specialised Academic		
						Studies			
11.	IAM005	Mathe	matical Gar	ne Theory		(F20) Eng (OM1) Ma Studies	ineering Animation, Master Academic Studies thematics in Engineering, Master Academic		
12.	SD0M03	Operat	tional Rese	arch		( GI0) Geo Studies	desy and Geomatics, Specialised Academic		
13.	SD0M15	Statisti	ics			( GI0) Geo Studies	desy and Geomatics, Specialised Academic		
14.	ZR503	Statisti	ical Advanc	ed Models		(Z01) Safe	ety at Work, Master Academic Studies		
15.	D0M03	Operat	tional Rese	arch		( OM1) Ma Studies	OM1) Mathematics in Engineering, Doctoral Academic Studies		

### SITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental	Engineering
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LIST	or courses t	being held by the teacher in the accred	nied study programme	5			
	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 Academ Studies	nic		
				(F20) Engineering Animation, Doctoral Academic Studies	s		
				(G00) Civil Engineering, Doctoral Academic Studies			
				(GI0) Geodesy and Geomatics, Doctoral Academic Studi	ies		
				(H00) Mechatronics, Doctoral Academic Studies			
21.	DZ01M	Selected Chapters in Mathematics		(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies			
				(M00) Mechanical Engineering, Doctoral Academic Studi	ies		
				(M40) Technical Mechanics, Doctoral Academic Studies			
				(OM1) Mathematics in Engineering, Doctoral Academic Studies			
				( S00) Traffic Engineering, Doctoral Academic Studie			
				(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 Stoia	aković Decomposition and representa	tion of fuzzy valued m	easure Euzzy Sets and Systems 112(2000) 251-256			
2	Mila Stoi	aković Euzzy conditional expectation	Euzzy Sets and Syste	ame 52(1992) 49-54			
2.	Mila Stoj	aković, Fuzzy conditional expediation,	tation martingalos I	Anth Angl Angl 184(1994) 594 696			
J.	Mila Stoje	aković, i uzzy random vanable, expec	Analysis and Analisat	iono 14(1006) 255 269			
4. 5	Mila Stol	aković, i uzzy marunyales, slochaslic	Thaiyers and Applicat	condings of Doval Society London A 452(1006) 421 429			
5. 6	Mile Stoje	aković, Zoran Stojaković, Support func		Event $A$ and	·		
0. -7	Mile Stel	aković, Zuran Siujakuvić, Auuliion and		u22y Jets diff Jysterns, 03(1990) 341-340.			
1.			Coto and Customs 25	(1004) 05 404			
8.	Mila Stoja	akovic, Fuzzy valued measure, Fuzzy	Sets and Systems,65	(1994) 95-104 . d analashillatia ang ang Dull, Australian Math. Osa, 20(1007)	170		
9.	ivilla Stoja 88.	akovic, Common fixed point theorems	in complete metric an	u probabilistic spaces, Bull. Australian Math. Soc., 36(1987)	)/3-		
10.	Mila Stoja	aković, Zoran Ovcin, Fixed point theore	ems and variational pri	nciple, Fuzzy Sets and Systems, 66(1994)353-356.			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		71				
Tota	of SCI(SS	UI) list papers :	16 Democratic				
Curre	ent projects	:	Domestic :				



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name	Name and last name:					Španik J. Ivan				
Acad	emic title:					Guest Profess	sor			
Name starti	e of the inst ng date:	itution v	where the te	acher works full tin	ne and	-				
Scier	ntific or art f	ield:				Environment	Protection E	Ingineering		
Acad	emic cariee	er	Year	Institution				Field		
Acad	emic title el	ection:	2012	Slovak University Bratislava	of Tec	hnology in Brat	tislava -	Environment Protection Enginee	ering	
PhD	thesis		2000	Slovak University Bratislava	of Tec	hnology in Brat	tislava -	Chemical, Physical and Biologic Environment Protection Engine	al principles in ering	
Magi	ster thesis		1994	Slovak University Bratislava	of Tec	hnology in Brat	tislava -	Chemical, Physical and Biologic Environment Protection Engineer	al principles in ering	
List o	f courses b	eing hel	ld by the tea	acher in the accred	ited stu	udy programme	S			
	ID	Course	e name				Study pro	gramme name, study type		
1.	Z503	Practic	al Course i	n Environment Pro	tection		(Z20) Envir	ronmental Engineering, Master Ad	cademic Studies	
2.	Z507	Physic	al and Che	mical Principles			(Z20) Envir	ronmental Engineering, Master Ad	cademic Studies	
3.	ZD050	Transp multico	oort and dis	tribution of pollutan ystems	ts in he	eterogeneous	( Z00) Envi Studies	ironmental Engineering, Doctoral	Academic	
							( OM1) Ma Studies	thematics in Engineering, Doctora	al Academic	
4.	I. ZDO03 Applied Analysis of Physical and Chemical					Parameters	( Z00) Environmental Engineering, Doctoral Academic Studies			
							(Z01) Safe	ety at Work, Doctoral Academic S	tudies	
5.	ZSP09	ZSP09 Remediation of Contaminated Sites					( Z00) Envi Studies	ironmental Engineering, Doctoral	Academic	
Representative refferences (minimum 5, not more than 10)										
1.	M. V. Mile substance (2012)	oradov, es of mu	I. Špánik, J unicipal and	. Radonic, M. T. Se waste water from	ekulic, [ Novi S	D. Milovanovic, ad area discha	M. Djogo, C rged into the	D. Vyviurska: The monitoring on e e Danube river, Chem. Listy 106,	merging s244-s245	
2.	M. Zapad dimensio	llo, J. Kr nal gas	upčík, T. Ko chromatogr	ovalczuk, P. Májek aphic resolution of ography A 1218 (5)	, I. Špá polych	nik, D.W. Arms lorinated biphe	strong, P. Sa nyls on a no	andra: "Enhanced comprehensive on-polar polysiloxane and an ionic	e two- c liquid column	
3.	K. Csatay (2010)	/ova, I. S	Špánik, V. Ľ	Durišová, P. Szolcs	anyi: "S	Synthesis of (-)	-pinidinone"	, Tetrahedron - Letters, 51 (50), 6	611-6614	
4.	P. Kubizr 10-guttata	na, I. Špa a and Ca	ánik, J. Kož alvia 14-gut	íšek, P. Szolcsány tata". Tetrahedron.	i P: "Sy . 66 (13	/nthesis of 2,6- 3). 2351-2355 ()	disubstituteo 2010)	d piperidine alkaloids from ladybir	d beetles Calvia	
5.	P. Kooš, Tetrahed	I. Špáni ron - as	k, Gracza T symetrv, 20	.: "Asymmetric intra (23), 2720-2723 (2	amolec 2009)	cular Pd(II)-cata	ilysed amido	ocarbonylation of unsaturated am	ino alcohols",	
6.	A. Janáčo Sniffing te	ová, J. S echnique	Sádecká, Z. e, GC-MS a	Kohajdová, I. Špán Ind sensorv evalua	iik: "The tion.", (	e identification Chroamtogarph	of aroma ac iia, 67, S113	tive compounds in Slovak brandy 3-S121 (2008)	using GC-	
7.	P. Szolcs	ányi, T.	Gracza, I. s.", Tetrahe	Špánik: "PdCl2/Cu0 dron Letters, 49. 13	Cl2-cat 357-13	alysed chlorocy 60 (2008)	clisation of	sugar/derived aminoalkenitols in	the synthesis of	
8.	P. Szolcs	ányi, T.	Gracza, I. s.", Tetrahe	Špánik: "PdCl2/Cu dron Letters. 49. 1:	Cl2-cat 357-13	alysed chlorocy 60 (2008)	clisation of	sugar/derived aminoalkenitols in	the synthesis of	
9.	A. Janáčo Sniffina te	ová, J. S echnique	Sádecká, Z. e, GC-MS a	Kohajdová, I. Špán Ind sensorv evalua	iik: "The tion.", (	e identification Chroamtogarph	of aroma ac iia, 67, S113	tive compounds in Slovak brandy 3-S121 (2008)	using GC-	
10.	P. Kooš, Tetrahed	I. Špáni ron - as	k, Gracza T symetry, 20	.: "Asymmetric intra (23), 2720-2723 (2	amolec 2009)P	cular Pd(II)-cata	lysed amido	ocarbonylation of unsaturated am	ino alcohols",	
Sun	nmary data	for teac	her's scient	tific or art and profe	essiona	I activity:				
Quot	ation total :				197					
Total	of SCI(SS	CI) list p	apers :		30					
Current projects : Dome						estic :	0	International :	3	



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



Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:				Štrbac D. Dra	igana			
Acad	lemic title:				Assistant Pro	fessor			
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad		
starti	ng date:				01.04.2002				
Scier	ntific or art f	ield:			Environment	Protection E	ngineering		
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	ection:	2011	Faculty of Technical Sci	ences - Novi S	nces - Novi Sad Environment Protection Eng			
PhD	thesis		2011	Faculty of Sciences - No	ovi Sad		Physics		
Magi	ster thesis		2006	Faculty of Sciences - No	ovi Sad		Physics		
Bach	elor's thesis	S	2001	Faculty of Sciences - No	ovi Sad		Physics		
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.	Z101	Introdu	uction and F	Principles of Environmenta	al Protection	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
2.	Z105	Energy	and Enviro	onment		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
3.	Z105A	Energy	/ and the er	nvironment		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
4.	ZR101	Introdu	uction and F	Principles of Occupational	Safety	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
5.	ZR440	Influen	ice of radiat	ion on health and occupa	tional safety	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
6.	Z105	Energi	ja i okružer	je(uneti naziv na englesko	om)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
7.	ZC047	Waste to energy tehnologies				(ZC0) Clea	Zean Energy Technologies, Undergraduate nic Studies		
8.	Z477	Sustainable Agriculture Engineering				(Z20) Envi	ronmental Engineering, Master Academic Studies		
9.	Z508	Specific Design Conditions in Environment Prote			Protection	(Z20) Envi	ronmental Engineering, Master Academic Studies		
10.	Z510	Accidental Risk Management and the Envir			onment	( OM1) Ma Studies ( Z01) Safe	thematics in Engineering, Master Academic ety at Work, Master Academic Studies		
						(Z20) Envi	ronmental Engineering, Master Academic Studies		
11.	ZR501	Hazaro	dous Materi	als and Hazardous Waste	<u> </u>	(Z01) Safe	ety at Work, Master Academic Studies		
12.	Z510	naziv r	janje akcide na englesko	entainim rizicima i zivotna em)	sredina(uneti	(220) Environmental Engineering, Master Academic Studies			
13.	SZD017	Solid N	Aaterials in	the Environment		( 200) Environmental Engineering, Specialised Academic Studies			
14.	ZCM03	Novel	materials in	energetics		( ZC0) Clean Energy Technologies, Master Academic Studies			
15.	ZCM06	Securi	ty of strateg	ic energy facilities		(ZC0) Clea Studies	an Energy Technologies, Master Academic		
16.	ZD017	Solid N	Aaterials in	the Environment		( Z00) Env Studies	ironmental Engineering, Doctoral Academic		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.	S. R. Luk Zeitschrif	ić, D. M t fur Kris	. Petrović, ( stallographi	G. R. Štrbac, D. D. Štrbac e, 23 (2006)	, Chalcogenide	films on gla	ass substrate as attenuattors of X-ray radiatio,		
2.	D.D. Strb uniform, .	ac, S.R. Journal	Lukic, D.N of Non-Crys	l. Petrovic, J.M. Gonzalez stalline Solids, 353 (2007)	-Leal, A. Sriniv	asan, Single	e oscillator energy and dispersion energy of		
3.	A.F. Kozr Crystallin	nidis-Pe e Solids	etrovic, G.R 353 (2007	. Strbac, D.D. Strbac, Kind	etics of non-iso	thermal crys	stallization of chalcogenide, Journal of Non-		
4.	D. D. Štrt of determ (2010)	oac, S. L iination	ukić, D. Pe of refractive	trović , J. M. Gonzalez-Le index and thickness of u	eal, A. Srinivas niform thin cha	an , G. Štrb Icogenide C	ac, Influence of substrate absorption on accuracy u1[As2(S0.5Se0.5)3]99 film, Thin Solid Films, 518		
5.	G., Štrba and thern	c, S. Lul nal stabi	kić-Petrović ility of the (\$	, D. Štrbac, D. Petrović, E Sb, As)-S-I system, Journ	Effect of arsenic al of Non Cryst	atom substalline Solids	titute with antimony on crystallization processes s, 358 (2012)		
6.	Bašić Đo korišćenja	rđe; Pe a energe	trović Jova etskog pote	n; Marić M.; Dragutinović ncijala geotermalnih voda	: Gordan; Gvo u Vojvodini, IS	zdenac Uroš SBN 978-86-	šević Branka; Štrbac Dragana; Mogućnosti 815-0341-5,Prometej; 2009		
7.	A.F.Petro applicatio	ović, S.R on to sor	t. Lukić, D.E ne chalcog	D.Štrbac, Critical rate of co enide glasses, Journal of	ooling glassy m Optoelectronic	elts under c s and Advar	conditions of continuous nucleation. The need Materials, 44 (2004)		

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKNX H		
IVE.	NOIL CON	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6			
0.2		Study Program	me Accredita	Con Participation				
.0	DOCTORAL ACADEMIC STUDI		S	Environmental Engineering				
Representative refferences (minimum 5, not more than 10)								
8.	<ul> <li>S. R. Lukić, D. M. Petrović, D. D: Štrbac, V. B. Petrović, F. Skuban, Dependence of thermal stability and thermomechanical</li> <li>characteristics of non-crystaline chalcogenides in the Cu-As-Se system on copper content, Journal of Thermal Analysis and Calorymetry, 82 (2005)</li> </ul>							
9.	A. Djordjev benzenes i	ic, M. Vojinovic-Miloradov, A. Kapor n the formation of intercalate drivati	r, D. Lazar, D. Petrovic ves of C60; Materials \$	, V. Djordjevic Mi Science Forum, 4	lic, Crucial role of alkyl –sup 53-454 (2004)	ostituted		
10.	S. Lukić, D. system, Ma	. Petrović, V. Petrović, D. D. Petrovi Iterial Science Forum, 453-454 (200	ić, Dispersion of refrac 04)	tive index of the r	non-crystalline chalcogenide	s in Cu-As-Se		
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:					
Quotation total : 13								
Tota	of SCI(SSCI	) list papers :	11					
Curr	ent projects :		Domestic :	3	International :	0		



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:				Teofanov Đ. I	jiljana		
Acad	lemic title:				Assistant Pro	fessor		
Nam	e of the inst	titution w	vhere the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad	
starti	ng date:				18.12.1995			
Scier	ntific or art f	ield:			Mathematics			
Acad	lemic carlee	er	Year	Institution			Field	
Acad	lemic title e	lection:	2009	Faculty of Technical Scie	ences - Novi S	ad	Mathematics	
PhD thesis 2008 Faculty of Sciences - N					ovi Sad		Mathematical Sciences	
Magister thesis 2000 Faculty of Sciences - N					ovi Sad		Mathematical Sciences	
Bachelor's thesis 1994 Faculty of Sciences - No					ovi Sad		Mathematical Sciences	
List o	of courses b	eing hei	ld by the tea	acher in the accredited stu	idy programme	s		
ID Course name						Study pro	gramme name, study type	
1.	A101	Mathe	matics			(A00) Arch	nitecture, Undergraduate Academic Studies	
2.	EE204	Select	ed Chapters	s in Mathematics		( MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
			•			(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
3.	GG00	Mathe	matical Met	hods 1		( G00) Civi	I Engineering, Undergraduate Academic Studies	
4.	GI101	Algebra				( GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
5.	IAM001	Mathematical Shape Modeling for Computer Ar			r Animation	(F10) Eng Studies	ineering Animation, Undergraduate Academic	
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
6	M400	Matha	matica d			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
0.	W1102	Mathe				( M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
						( M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies	
-	M400	Matha	matian 0			(M30) Energy and Process Engineering, Undergradua Academic Studies		
7.	IVI I UO	Mathematics 2				(M40) Technical Mechanics and Technical Desi Undergraduate Academic Studies		
						(P00) Production Engineering, Undergraduate Academic Studies		
8.	E101A	Discre	te Mathema	atics		( E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
9.	IM1523	Discre	te Mathema	atics		(I20) Engin Studies	neering Management, Undergraduate Academic	
10.	P216	Numer	rical Analys	s		( P00) Proo Studies	duction Engineering, Undergraduate Academic	
4.4	050000		to Math	tion		( SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
11.	SE0009	Discre	te Mathema	aucs		( SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
						( 112) Indus	strial Engineering, Specialised Academic Studies	
12.	DZ01MS	Select	ed Chapters	s in Mathematics		( I22) Engi Studies	neering Management, Specialised Academic	
						( Z00) Env Studies	ironmental Engineering, Specialised Academic	

### HAS STUDIORUM S

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation - PhD Studies
DOCTORAL ACADEMIC STUDIES Environmental Engineering

ist of courses being held by the teacher in the accredited study programm

2131 0									
	ID	Course name		Study programme name, study type					
13.	IA022	Numerical Optimization		(F20) Engineering Animation, Master Academic Studies					
14.	D0M48	Numerical Methods for Solving Diffe	rential Equations	( 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					
15	D701M	Selected Chapters in Mathematics		(H00) Mechatronics, Doctoral Academic Studies					
15.	DZ01M	Selected Chapters in Mathematics		( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies					
				(M00) Mechanical Engineering, Doctoral Academic Studies					
				<ul> <li>(M00) Mechanical Engineering, Doctoral Academic Studies</li> <li>(M40) Technical Mechanics, Doctoral Academic Studies</li> <li>(OM1) Mathematics in Engineering, Doctoral Academic Studies</li> <li>(S00) Traffic Engineering, Doctoral Academic Studies</li> <li>(Z00) Environmental Engineering, Doctoral Academic Studies</li> </ul>					
				( OM1) Mathematics in Engineering, Doctoral Academic Studies ( S00) Traffic Engineering, Doctoral Academic Studies					
				(S00) Traffic Engineering, Doctoral Academic Studies					
				( Z00) Environmental Engineering, Doctoral Academic Studies					
				(Z01) Safety at Work, Doctoral Academic Studies					
Rep	Representative refferences (minimum 5, not more than 10)								
1.	Surla, K., Applied N	, Teofanov, Lj., Uzelac, A Robust Lay Mathematics and Computation,(2009),	er-Resolving Spline C 208(1): 76-89	ollocation Method for a Convection-Diffusion Problem,					
2.	Teofanov Comput.	, Lj., Roos, HG, An elliptic singularl Appl. Math. Vol. 212, 2008, 374-389	/ perturbed problem w	ith two parameters II: robust finite element solution, J.					
3.	Teofanov Appl. Ma	/, Lj., Roos, HG, An elliptic singularly th. Vol. 206, 2007, 1082-1097	/ perturbed problem w	ith two parameters I: solution decomposition, J. Comput.					
4.	Surla, K., problem,	, Uzelac, Z., Teofanov, Lj., The discret Math. Comput. Simul. 2009, Vol. 79,	e minimum principle f No 8, pp.2490-2505	or quadratic spline discretization of a singularly perturbed					
5.	Teofanov No. 4. 20	, Lj., Zarin, H., Superconvergence for 09, 743-765	two-parameter singul	arly perturbed problem, BIT Numerical Mathematics, Vol. 49,					
6.	Vulanovi Numer, A	ć, R., Teofanov, Lj., A uniform numerio Algor. 54, 2010, 431-444	cal method for semiline	ear reaction-difusion problems with a boundary turning point,					
7.	Teofanov Math. Vo	/, Lj., Uzelac, Z., Family of Quadratic bl. 84. No. 1. 2007. 33-50	Spline Difference Sch	emes for a Convection-Diffusion Problem, Int. J. Comput.					
8.	Surla, K., Sad J. M	, Uzelac, Z., Teofanov, Lj., On colloca ath, Vol. 31, No. 1, 2001, 125-132	ion methods for singu	lar perturbation problems of convection-diffusion type, Novi					
9.	Surla, K. 2000, 17	, Uzelac, Z., Pavlović, Lj., On collocat 3-183	ion methods for singu	ar perturbation problems, Novi Sad J. Math., Vol. 30, No. 3,					
10.	Čomić, I.	, Pavlović, Lj., Funkcije više promenlij	vih, Fakultet tehničkih	nauka, Novi Sad, 2000, 95 str.					
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		12						
Tota	of SCI(SS	CI) list papers :	7						
Curre	ent projects	:	Domestic :	1 International : 0					



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:			Turk-Sekulić	Turk-Sekulić M. Maja				
Acad	emic title:				Assistant Pro	fessor			
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad		
starti	ng date:				28.12.2004				
Scier	ntific or art f	ield:			Environment	Protection E	ngineering		
Acad	emic caries	er	Year	Institution			Field		
Acad	emic title el	ection:	2009	Faculty of Technical Science	nces - Novi Sad Environment Protection Engineeri		Environment Protection Engineering		
PhD	thesis		2009	Faculty of Technical Science	ences - Novi Sa	ad	Chemical, Physical and Biological principles in Environment Protection Engineering		
Magi	ster thesis		2006	University of Novi Sad -	Novi Sad		Chemical, Physical and Biological principles in Environment Protection Engineering		
Bach	elor's thesis	5	2003	Faculty of Technology -	Novi Sad		Technological Engineering		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	URZP61	Funda	mentals of	the Burning Processes Th	eory	( ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
2.	Z102	Techn	ical Chemis	try		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
3.	Z109	Chemi	cal Principle	es in Environmental Engir	eering	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
4.	Z305	Data Analysis of Environmental Condition				(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
5.	Z305A	Environmental data analysis				(ZC0) Clea Academic	2C0) Clean Energy Technologies, Undergraduate cademic Studies		
6.	Z102	Tehnička hemija(uneti naziv na engleskom				(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic		
7.	Z109	Hemijski principi u inženjerstvu zaštite život sredine(uneti naziv na engleskom)			ne	(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic		
						( M20) Mea Undergrad	chanization and Construction Engineering, uate Academic Studies		
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
8.	Z151	Chemistry in Mechanical Engineering				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
						( P00) Production Engineering, Undergraduate Academic Studies			
						(ZC0) Clea	an Energy Technologies, Undergraduate Studies		
9.	Z153	Chemi	stry in Engi	neering		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
10.	Z155	Chemi	cal Principle	es in Engineering		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
11.	Z600	Chemi	cal Phenon	nena in Engineering		( ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
12.	Z503	Practic	al Course i	n Environment Protection		(Z20) Envi	ronmental Engineering, Master Academic Studies		
13.	Z507	Physic	al and Che	mical Principles		(Z20) Envii	ronmental Engineering, Master Academic Studies		
14.	ZR504	Protec	tion agains	Chemical Harms, Fire an	d Explosion	( OM1) Ma Studies	thematics in Engineering, Master Academic		
15.	Z507	Fizičko	o hemijski p	rincipi(uneti naziv na engl	eskom)	(Z20) Envii	ronmental Engineering, Master Academic Studies		
16.	MPK005	Analys	is of enviro	nmental protection system	าร	( MPK) Inž naziv na er	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
17.	SZD050	Transp multico	port and dis	tribution of pollutants in he ystems	eterogeneous	( Z00) Envi Studies	ironmental Engineering, Specialised Academic		
18.	SZSP09	Reme	diation of co	ontaminated locations		( Z00) Envi Studies	ironmental Engineering, Specialised Academic		
19.	SZSP17	Savrer supsta	mene instru Inci u životn	mentalne metode analize oj sredini	zagađujućih	( Z00) Envi Studies	ironmental Engineering, Specialised Academic		
20.	ZR504A	Chemi	cal risk ass	essment of fire and explos	sion	(Z01) Safe	ety at Work, Master Academic Studies		

S	TAS STUD		UNIVERSITY OF NO	VI SAD		ичких на				
AN A	A REAL	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6					
23		Study Program	me Accredita	ation - Ph[	D Studies					
6	LANTEN	DOCTORAL ACADEMIC STUDIES	5	En	vironmental Engineering	AN HOB				
List o	of courses b	eing held by the teacher in the accred	lited study programme	S						
	ID	Course name		Study program	me name, study type					
21.	ZD050	Transport and distribution of pollutar multicomponent systems	nts in heterogeneous	(Z00) Environm Studies	ental Engineering, Doctoral	Academic				
				( OM1) Mathema Studies	atics in Engineering, Doctora	al Academic				
22.	ZDO03	Applied Analysis of Physical and Ch	emical Parameters	( Z00) Environm Studies	ental Engineering, Doctoral	Academic				
	(Z01) Safety at Work, Doctoral Academic Studies									
Rep	Representative refferences (minimum 5, not more than 10)									
1.	1. Turk, M., Jakšić, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from Serbia determined by active and passive sampling methods, Environmental Chemistry Letters (ECL) Journal, 2007, Vol. 5, str. 109- 113.									
2.	Turk Sekulić M., Radonić (Jakšić) J., Đogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidisciplinary Approaches, Singapur, World Scientific, 2008, str. 284-295, ISBN 978-981-283-439-3									
3.	Radonić, J., Turk, M., Vojinović Miloradov, M., Klánová, J.: Gas/particle partitioning of persistent organic pollutants generated during the war accident in Serbia, Environmental Science and Pollution Research, 2009, Vol. 16, No. 1, pp. 65-72.									
4.	Turk Sekulić Maja, Rasprostiranje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentnom sistemu, doktorska disertacija.									
5.	Radonić ( coefficien industrial 10.2298/J	Jakšić) J., Vojinović-Miloradov M., Tu t, KOA, as a predictor of gas-particle and urban sites, Journal of Serbian C ISC100616037R	rk Sekulić M., Kiurski partitioning of polycyc hemical Society, 2011	J., Đogo M., Milov lic aromatic hydro I, Vol. 76, No 3, p	vanović D.: The octanol-air p carbons and polychlorinated p. 447-458, ISSN 0352-513	partition d biphenyls at 9, UDK: doi:				
6.	Turk Sekı Polychlor No 4, pp.	ulić M., Radonić (Jakšić) J., Vojinović nated Biphenyls and Polycyclic Arom 371-380, ISSN 0367-598X, UDK: 504	Miloradov M., Šenk N atic Hydrocarbons Us 4.5(497.11):547.621	., Okuka M.: Asse ing Polyparamete	essment of Atmospheric Dist r Model, Hemijska industrija	tribution of a, 2011, Vol. 65,				
7.	Radonić ( based on 10.2298/1	Jakšić) J., Ćulibrk D., Vojinović-Milora M5' model trees, Thermal Science, 2 SCI100809005R	adov M., Kukić B., Tur 011, Vol. 15, No 1, pp	k Sekulić M.: Pred . 115-124, ISSN (	diction of gas-particle partitic 0354-9836, UDK: doi:	oning of PAHs				
8.	Grujić Let emerging 7103	ić N., Milić N., Turk Sekulić M., Rado organic contaminants in the Danube	nić (Jakšić) J., Milanov River samples by HPI	/ić M., Mihajlović ₋C, Chemicke List	I., Vojinović-Miloradov M.: Q ty, 2012, Vol. 106, pp. 264-2	Quantification of 266, ISSN 1213-				
9.	Milić N., M antibiotics HEAL R,	/lilanović M., Grujić Letić N., Turk Sek s as emerging contaminant substance 2012, pp. 1-15, ISSN 0960-3123	ulić M., Radonić (Jakš s in aquatic environmo	šić) J., Mihajlović   ent DOI: 10.1080/	I., Vojinović-Miloradov M.: C /09603123.2012.733934, IN	Occurrence of T J ENVIRON				
10.	Jovčić N., bound po 10.2298/H	Radonić (Jakšić) J., Turk Sekulić M. lycyclic aromatic hydrocarbons in the IEMIND120113062J, Hemijska indus	, Vojinović-Miloradov M vicinity of the industria trija, 2012, pp. 1-36, I	M., Popov S.: Ider al zone of the city SSN 0367-598X	ntification of emission source of Novi Sad DOI:	es of particle-				
Sur	mmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		0							
Tota	of SCI(SSC	CI) list papers :	8							
Curre	Current projects : Domestic : 2 International : 3									



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:				Ubavin M. Dejan				
Acad	lemic title:	ame.			Assistant Pro	fessor			
Nam	e of the inst	titution v	where the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad		
starti	ng date:				01.08.2005				
Scier	ntific or art f	ield:			Environment	Protection E	Engineering		
Academic carieer Year Institution			Institution	Field					
Acad	lemic title el	lection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering		
PhD	thesis		2012	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering		
Magi	ster thesis		2008	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering		
Bach	elor's thesis	S	2004	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	ogramme name, study type		
						(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
1.	Z205	Sustai	nable Use o nmental Pro	of Natural Resources and		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
		LINIO		Steelion Oystem		(Z20) Envi	ronmental Engineering, Undergraduate Academic		
						(Z01) Safe	etv at Work. Undergraduate Academic Studies		
2.	Z309A	Solid V	Naste Mana	agement		(Z20) Envi	ronmental Engineering, Undergraduate Academic		
						Studies			
3.	Z401A	Desigr	ו and Plann	ing in Environmental Prote	ection	(Z20) Envi Studies	20) Environmental Engineering, Undergraduate Academic Jdies		
4.	Z401B	Design and Planning in Environmental Eng			ineering	( ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
5.	Z409A	Hazardous Waste Management and Recyc Technologies			ling	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
6.	Z414	Contemporary Methods of Soil Remediation			ı	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
7.	OAS214	Integra	alni katastar	· zagađivača(uneti naziv n	a engleskom)	(Z20) Envi Studies	Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	Z309A	Upravl	ijanje čvrstir	n otpadom(uneti naziv na	engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies			
9.	M3202	Identif	ication and	reduction of pollution from	n industry	(M30) Energy and Process Engineering, Undergraduate Academic Studies			
10.	ZC047	Waste	to energy t	ehnologies		(ZC0) Clean Energy Technologies, Undergraduate			
11.	Z452	Desigr enviro	n and maint	enance of quality control i gineering	n	(M40) Teo Academic	chnical Mechanics and Technical Design, Master Studies		
12.	Z508	Specif	ic Design C	onditions in Environment	Protection	(Z20) Envi	ronmental Engineering, Master Academic Studies		
13.	Z511	Institut	tional Frame	ework for Accidental Risk	Management	(Z20) Envi	ronmental Engineering, Master Academic Studies		
14.	ZR501	Hazar	dous Materi	als and Hazardous Waste	9	(Z01) Safe	ety at Work, Master Academic Studies		
15.	ZR502	Occup	ational Risk	Assessment		(Z01) Safe	ety at Work, Master Academic Studies		
16.	Z508	Specif sredin	ični uslovi p e(uneti nazi	rojektovanja u zaštiti živo v na engleskom)	tne	(Z20) Envi	ronmental Engineering, Master Academic Studies		
17.	Z511	Institue rizicim	cionalni okv a(uneti naz	iri upravljanja akcidentnim iv na engleskom)	1	(Z20) Envi	ronmental Engineering, Master Academic Studies		
18.	GH508	Landfi	Il desing an	d municipal waste treatma	ant systems	(G00) Civil	Engineering, Master Academic Studies		
19.	MPK027	Manag	jement of e	nvironmental facilities		( MPK) lnž naziv na e	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
20.	SZSP21	Desigr Hazar	າ and Plann dous Materi	ing Processes to Minimize als	e Waste and	( Z00) Env Studies	ironmental Engineering, Specialised Academic		
21.	ZD052	Efficie Develo	nt Use of Na	atural Resources and Low	/-Carbon	(Z00) Env Studies	ironmental Engineering, Doctoral Academic		
22.	ZDI23	Materi	al Flow Ana	Ilysis in Urban Systems		(Z00) Env Studies	vironmental Engineering, Doctoral Academic		

SPS1	TAS STUDIO	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6								
NO.7		Study Program	me Accredit	ation - Phl	D Studies	ELF B					
FOL	LANTEN	DOCTORAL ACADEMIC STUDIE	s	Er	vironmental Engineering	HOBY HOBY					
List c	of courses b	eing held by the teacher in the accred	lited study programme	es							
	ID	Course name		Study program	me name, study type						
23	75021	Design and Planning Processes to N	/inimize Waste and	( OM1) Mathematics in Engineering, Doctoral Academic Studies							
23.	23721	Hazardous Materials		Studies	Work Doctoral Academic S	tudies					
24	ZRD213	Current state and development tend	encies of quality	(Z01) Safety at	Work, Doctoral Academic S	itudies					
25.	ZRD231	Economic implication of occupationa projects implementation	Work, Doctoral Academic S	tudies							
Rep	Representative refferences (minimum 5, not more than 10)										
1.	1. Stanisavljević N., Ubavin D., Batinić B., Fellner J., Vujić G.: Methane emissions from landfills in Serbia and potential mitigation strategies: a case study, WASTE MANAGE RES, 2012, ISSN 0734-242X										
2.	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										
3.	Vujić G., Jovičić N., Maja Đ., Ubavin D., Nakomčić Smaragdakis B., Gordana J., Dušan G.: INFLUENCE OF AMBIENCE TEMPERATURE AND OPERATIONAL - CONSTRUCTIVE PARAMETERS ON LANDFILL GAS GENERATION - CASE STUDY NOVI SAD, Thermal Science - International Scientific Journal, 2010, Vol. 14, No 2, pp. 555-564, ISSN 0354-9836, UDK: 547 211:631 41										
4.	Vujić B., I čađi) u Zr	Milovanović D., Ubavin D.: Analiza ko enjaninu, Hemijska industrija, 2010, N	oncentracionih nivoa č /ol. 64, No 5, pp. 453-	estičnih materija 458, ISSN 0367-{	(PM10, ukupnih suspendova 598X	anih čestica i					
5.	Landfill ga 16th Inter	as modelling and risk assessment in t national Congress of Chemical and P	he purpose of the goo Process Engineering, F	d managing in m Prague, Czech Re	unicipal landfill of Novi Sad public, August 2004	- CHISA 2004,					
6.	Analysis o Central a	of location for building objects; - Sixth nd Eastern Europe and the Common	International Sympos wealth of Independent	ium and Exhibitio States (Prague 2	n on Environmental Contam 2003), Czech Republic, Sept	nination in Tember 2003					
7.	Vujić, G. waste ma	Batinić, B. Ubavin, D. Stanisavljević. I nagement policy in Vojvodina, Serbia	N., Analysis of municip ı, ISWA/WMRAS Worl	oal waste content d Congress, Sing	& waste amount as the bas apore: ISWA, 03 06. Nov	is for the new embar, 2008.					
8.	Ubavin D Serbia, 1. 907694-2	., Vujić G., Stanisavljević N., Batinić E The ISWA 2012 World Solid Waste ( -9	8., Mirosavljević Z.: Na Congress, Florence: IS	ational Methane E SWA, 17-19 Septe	Emissions from Waste Disp embar, 2012, pp. 1279-1287	osal Sites in 7, ISBN 978-88-					
9.	Stanisavlj East Euro Septemba	ević N., Jokanović S., Batinić B., Uba ppe, Exemplified for The City of Novi \$ ar, 2012, pp. 1266-1272, ISBN 978-84	ivin D., Vujić G.: Eval Sad, 1. The ISWA 201 3-907694-2-9	uation of Different 2 World Solid Wa	t Waste Management Optic Iste Congress, Florence: IS	ons for South WA, 17-19					
10.	Batinić B. using AN 907694-2	, Ubavin D., Stanisavljević N., Vujić G N models, 1. The ISWA 2012 World S -9	6., Tot B.: Analysis of Solid Waste Congress,	relation between Florence: ISWA,	socioeconomic factors and 17-19 Septembar, 2012, IS	MSW practice BN 978-88-					
Sur	mmary data	for teacher's scientific or art and profe	essional activity:								
Quot	ation total :	N. H. /	3								
Total	of SCI(SSC	J) list papers :	4	2	International						
Curre	urrent projects : Domestic : 3 International : 0										

1

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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:			Uzelac S. Zorica					
Acad	lemic title:				Full Professor				
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	ences - Novi Sad		
starti	ng date:				01.10.1975				
Scier	Scientific or art field:				Mathematics				
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	ection:	2000	Faculty of Technical Scie	ences - Novi S	ad	Mathematics		
PhD	thesis		1989	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Magi	ster thesis		1980	Faculty of Mathematics -	- Beograd		Mathematical Sciences		
Bach	elor's thesis	S	1974	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	ogramme name, study type		
1.	GG00	Mathe	matical Met	hods 1		( G00) Civi	il Engineering, Undergraduate Academic Studies		
2.	GG05	Mathe	matical Met	hods 2		( G00) Civi	il Engineering, Undergraduate Academic Studies		
3.	ll1052	Mathe	matics 2			( I10) Indu: Studies	strial Engineering, Undergraduate Academic		
4.	IM1002	Mathematics 1				( I10) Indu: Studies ( I20) Engi Studies	strial Engineering, Undergraduate Academic neering Management, Undergraduate Academic		
5.	IM1006	Mathematics 2				( I20) Engi Studies	neering Management, Undergraduate Academic		
6.	IM1120	Knowledge management				(I20) Engir Studies	neering Management, Undergraduate Academic		
7.	0M518	Numer	ical Solutio	ns of Differential Equation	S	( OM1) Mathematics in Engineering, Master Academic Studies			
8.	0ML518	Numer	ical Solutio	n of Differential Equations		( OM1) Mathematics in Engineering, Master Academic Studies			
						(E11) Pow Engineerin	ver, Electronic and Telecommunication ng, Specialised Academic Studies		
		Selected Chapters in Mathematics				( I12) Indu	strial Engineering, Specialised Academic Studies		
9.	DZ01MS					(I22) Engi Studies	neering Management, Specialised Academic		
						( Z00) Environmental Engineering, Specialised Academic Studies			
10		Knowl	adaa Faana			( I20) Engi Studies	neering Management, Specialised Professional		
10.		KIIOWI		niny		(IB0) Engi Profession	ineering Management - MBA, Specialised al Studies		
11.	MBA309	Humar	n Resource	Management in Knowledg	ge Economy	(IB0) Engi Profession	ineering Management - MBA, Specialised al Studies		
12.	OIR010	Mathe	matics for E	Business and Finance		(I20) Engi Studies	neering Management, Specialised Professional		
13.	IA022	Numer	ical Optimiz	zation		( F20) Eng	ineering Animation, Master Academic Studies		
14.	D0M16	Differe	ntial Equati	ons		( OM1) Mathematics in Engineering, Doctoral Academic Studies			
15.	D0M18	Numer	ical Analys	is		( OM1) Ma Studies	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
16.	DM322	Numer	ric Methods	in Power Machines and F	Plants	( M00) Me	chanical Engineering, Doctoral Academic Studies		

RSI	TAS STUD									
NIN(		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVICA 6					
1.26	Drace.	Study Program	me Accredit	ation - Ph[	D Studies	Call Party				
9	LANTER	DOCTORAL ACADEMIC STUDIE	S	En	vironmental Engineering	HO				
List o	of courses b	eing held by the teacher in the accred	lited study programme	S						
	ID	Course name		Study program	me name, study type					
				<ul> <li>(E10) Power, Electronic and Telecommunication</li> <li>Engineering, Doctoral Academic Studies</li> <li>(E20) Computing and Control Engineering, Doctoral</li> </ul>						
				Academic Studie (F00) Graphic E	es Engineering and Design, Do	ctoral Academic				
		(F20) Engineering Animation, Doctoral Academic S				demic Studies				
				(G00) Civil Engi	ineering, Doctoral Academi	c Studies				
				(GI0) Geodesy	and Geomatics, Doctoral A	cademic Studies				
	DZ01M			(H00) Mechatronics, Doctoral Academic Studies						
17.		Selected Chapters in Mathematics		(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies						
				(M00) Mechanic	cal Engineering, Doctoral A	cademic Studies				
				(M40) Technica	I Mechanics, Doctoral Acad	lemic Studies				
				( OM1) Mathema Studies	atics in Engineering, Doctor	al Academic				
				(S00) Traffic En	gineering, Doctoral Acaden	nic Studies				
				( Z00) Environm Studies	ental Engineering, Doctoral	Academic				
				(Z01) Safety at	Work, Doctoral Academic S	tudies				
Rep	presentative	e refferences (minimum 5, not more th	an 10)							
1.	Surla K., Mathema	Teofanov Lj., Uzelac Z.: A robust lay tics and Computation, 2009, Vol. 208	er-resolving spline coll , No 1, pp. 76-89, ISS	ocation method fo N 0096-3003	or a convection-diffusion pro	oblem, Applied				
2.	Surla K., problem,	Uzelac Z., Teofanov Lj.: The discrete Math. Comput. Simul, 2009, Vol. 79,	e minimum principle for No 8, pp. 2490-2505,	r quadratic spline SSN 0378-4754	discretization of a singularly	y perturbed				
3.	Surla, K., IMA J. N	Uzelac, Z., Some uniformly converge umer. Anal.10(1990) 209-222	ent spline difference so	hemes for singula	arly perturbed boundary val	ue problems,				
4.	Sekulić, I temperat	D., Edeskuty, F.J.,Uzelac, Z., Heat Tra ures, Int.J. Heat Mass Transfer, Vol. 4	ansfer Through a High 0,No 16, 1997, 3917-3	Temperature Sup 3926,	perconducting Current Lead	I at Criogenic				
5.	Uzelac, Z Applicatio	., Surla, K., Discretization of the Sem ons, Vol.30, No.8, (1997), 4741-4747	ilinear Singularly Pertu	Irbed Problem, No	onlinear Analysis: Theory, N	Aethods and				
6.	Sekulic, [ 32(1992)	D., Uzelac, Z., Edeskuty, F., J., Entrop 1154-1161	by generation in a high	temperaturesupe	erconducting current lead, C	ryogenics, Vol				
7.	Cvetićani (1999), 8	n, L., Uzelac, Z., Longitudinal Vibratic 27-849	on of Rod with Non-Lin	ear Constitutive E	Equation, Journal of Vibratic	on and Control,5,				
8.	Teofanov Journal o	, Lj., Uzelac, Z., Family of Quadratic S f Computer Mathematics, Vol. 84, No	Spline Difference Sche . 1, 2007, 33-50	emes for a Conve	ction-Diffusion Problem, Inte	ernational				
9.	Z. Uzelac Leadedrs	, L. Nešić, D. Hristić, A Contribution t hip, Proceedings of IC-Congress, Ha	o Research the Caract arlem, The Netherland	teristics of Womer s, 3-4. May 2007	n Managers and a New Sty	le of				
10.	Dj. Ćelić, 09. septe	Z. Uzelac, Vrednosne mreže, Zbornil mbar, 2005, 921-931	ki radova XIII Medjuna	rodna konferncija	industrijski sistemi-IS05, H	erceg Novi, 07-				
Sur	mmary data	for teacher's scientific or art and profe	essional activity:							
Quot	tation total :		52							
Tota	l of SCI(SS	CI) list papers :	26							
Curr	ent projects	:	Domestic :	1	International :	0				



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Nam	Name and last name:				Veselinov V. Branislav				
Acad	emic title:				Associate Pro	ofessor			
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad		
starti	ng date:				01.08.1974				
Scier	ntific or art f	ield:			Biosystems E	ingineering	-		
Acad	Academic carieer Year Institution						Field		
Academic title election: 2009 Faculty of Technical So					nces - Novi Sad Biosystems Engineering				
PhD	thesis		2003	Faculty of Technical Science	ences - Novi Sa	ad	Biosystems Engineering		
Magi	ster thesis		1989	Faculty of Technical Science	ences - Novi Sa	ad	Biosystems Engineering		
Bach	elor's thesis	S	1973	Faculty of Mechanical E	ngineering - No	ovi Sad	Internal Combustion Engines		
List c	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	M2407	Biosys	tem Machir	nes 2		( M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies		
						( H00) Med	chatronics, Undergraduate Academic Studies		
2.	M304	Biosys	tem Machir	nes 1		(M20)Mee Undergrad	chanization and Construction Engineering, uate Academic Studies		
						(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies		
3.	URZP54	Device	s in the Pro	ocess Industry		( ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
4.	Z475A	Environmental engineering in biosystems				(Z20) Envir Studies	ivironmental Engineering, Undergraduate Academic		
						(ZC0) Clea	an Energy Technologies, Undergraduate		
5.	Z476	Enera	/ and renew	able energy sources in ru	iral areas	Academic	Studies		
	-	Lifergy and renewable energy sources in t				(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
6.	ZRI421	Occupational Safety in Agriculture and Fore			estry	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
7.	Z475	Inženje naziv r	erstvo zaštil na englesko	te životne sredine u biosis m)	tema(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
8.	Z476	Energi oblasti	ja i obnovlji ma(uneti na	vi izvori energije u ruralnir aziv na engleskom)	n	(Z20) Envi Studies	(Z20) Environmental Engineering, Undergraduate Academic Studies		
						( H00) Med	chatronics, Master Academic Studies		
9.	H2405	IT in B	iosystems			(M22) Mechanization and Construction Engineering, Mast Academic Studies			
10.	M2651	Tracto	rs			(M22) Mechanization and Construction Engineering, Master Academic Studies			
11.	M2652	Agricu	ltural machi	nery for renewable energ	y sources	(M22)Meo Academic	chanization and Construction Engineering, Master Studies		
12.	Z477	Sustai	nable Agric	ulture Engineering		(Z20) Envi	ronmental Engineering, Master Academic Studies		
13.	Z478A	Inform	ation techno	ology support sustainable	biosystems	(Z20) Envi	ronmental Engineering, Master Academic Studies		
14.	Z477	Inženje engles	erstvo održi kom)	ve poljoprivrede(uneti naz	riv na	(Z20) Envi	ronmental Engineering, Master Academic Studies		
15.	Z478	Inform biosist	aciono-tehr ema(uneti r	ološka podrška održivom naziv na engleskom)	razvoju	(Z20) Envi	ronmental Engineering, Master Academic Studies		
16.	SZSP14	Conter	mporary ap	proach to the biosystems	engineering	(Z00) Env Studies	ironmental Engineering, Specialised Academic		
17.	SZSP16	Engine	ering of rer	newable enery sources in	agriculture	( Z00) Env Studies	ironmental Engineering, Specialised Academic		
18.	DOM24	Proced	dure and Ma	achines for Sustainable Ag	griculture	( M00) Me	chanical Engineering, Doctoral Academic Studies		
19.	ZSP14	Conter Biosys	mporary Ap tems	proaches to Sustainable E	Engineering	( Z00) Env Studies	ironmental Engineering, Doctoral Academic		
20	ZSP16	Engine	erina of Re	newable Energy in Agricu	llture	( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
	_0.10					( Z00) Env Studies	ironmental Engineering, Doctoral Academic		
Rep	oresentative	reffere	nces (minim	num 5, not more than 10)					

5	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKHX H			
ALVER OF	NOR C	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSI <sup>-</sup>	TEJA OBRADOVIĆA 6				
D. ZEC		Study Program	me Accredit	ation - Phl	D Studies	The second			
5	ANTER	DOCTORAL ACADEMIC STUDIE	S	Er	nvironmental Engineering	Ho			
Rep	presentative re	efferences (minimum 5, not more th	an 10)						
1.	Veselinov, zapreminor	B.: Prilog razvoju sistema za presov n komore za presovanje, Fakultet te	vanje vlaknastih bioma ehničkih nauka, Novi s	terijala kod presa ad, Magistarski ra	a za valjkaste bale sa prome ad, 1989, 98 strana	enljivom			
2.	Veselinov, B.: Uticaj raznih postupaka mehaničkog usitnjavanja suve pitome nane na kvalitet dobijene biljne sirovine, Fakultet tehničkih nauka, Novi Sad, Doktorska disertacija, 2003, 110 strana								
3.	Martinov, M., Veselinov, B., Bojić, S. 2007. Maize Cobs Processor – Preparations for its use as a Fuel. 11-th International Research/Expert Conference »Trends in the Development of Machinery and Associated Technology« TMT 2007, Hammamet, Tunisia, 05-09 Septembar, 1167-1170								
4.	Martinov, M., Adamović, D., Veselinov, B., Mujić, I., Bojić, S. 2008. Fazno sušenje lekovitog bilja u šaržnoj sušari. Savremena poljoprivredna tehnika, 34(1-2), 1-12. (ISSN 0350-2953)								
5.	Martinov, M., Veselinov, B., Bojić, S. 2008. Drobljenje oklasaka kukuruza – priprema za korišćenje kao gorivo. Savremena poljoprivredna tehnika, 34(1-2), 26-31								
6.	Veselinov, sirak i lekov	B., Adamović, D., Martinov, M. 2008 vito bilje, Institut za ratarstvo i povrta	3. Istraživanje mogućn arstvo Novi Sad, 40(81	osti mehanizovar I), 22-33	nog branja cvasti nevena, B	iilten za hmelj,			
7.	Martinov, M 2008. Savr	1, Veselinov, B. 2009. Stanje u obla emena poljoprivredna tehnika, 35(3	sti poljoprivrednog inž ), 157-168. (ISSN 035	enjerstva – Akcer 0-2953)	nti Konferencije VDI-MEG L	AND-TECHNIK			
8.	Martinov, M and pepper Engineering	<ol> <li>Adamović, D., Veselinov, B., Mat mint drying in batch dryer. 36. Inter g, Opatija, 11-15 February 2008, Bc</li> </ol>	avuly, M., Bojic, S. an national Symposium A ook of Proc, 479-490. I	d I. Mujic. 2008.F gricultural Engine SSN1533-2651	Practice oriented investigation eering: Actual Tasks on Age	on of chamomile ricultural			
9.	Martinov M drying in ba of Mai 2012	, Bojic S, Golub M, Veselinov B. 20 atch dryers. 7th Conference of Medi 2, CD of Proc. 241-247. ISBN: 978-8	12. Practice oriented in cinal and Aromatic Pla 36-83-141-16-6	nvestigation of hu ints of Southeast	III-less oil pumpkin seeds, C ern European Countries. Si	Cucurbita pepo L., ubotica 27th-31st			
10.	Martinov M, Golub M, Djordje Dj, Bojic S, Veselinov B. 2012. Total and available yield of soybean residues. 4th International Scientific and Expert Conference TEAM 2012 Technique, Education, Agriculture & Management. Slavonski Brod, 17th to 19th October 2012, CD of proc. 307-310. ISSN 1847-9065								
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 :	1						
Curre	ent projects :		Domestic :	5	International :	0			



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Vilotić Ž. Drad	niša			
Academic title: F					Full Professor				
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				01.01.1975				
Scier	ntific or art f	ield:			Plastic Deformation Technology, Rapid Prototyping, Virtual				
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	lection:	1998	Faculty of Technical Science	ences - Novi Sad		Plastic Deformation Technology, Rapid Prototyping, Virtual		
PhD	thesis		1986	Faculty of Technical Science	ences - Novi Sa	ad	Plastic Deformation Technology, Rapid Prototyping, Virtual		
Magi	ster thesis		1981	Faculty of Technical Sci	ences - Novi Sa	ad	Plastic Deformation Technology, Rapid Prototyping, Virtual		
Bachelor's thesis			1974	Faculty of Technical Sci	ences - Novi Sa	ad	Plastic Deformation Technology, Rapid Prototyping, Virtual		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu					
	ID	Course	e name			Study programme name, study type			
1.	P207	Metal	forming			( P00) Proo Studies	200) Production Engineering, Undergraduate Academic tudies		
2.	P2401	Advan	ced Methoc	ls in Metal Forming		(P00) Production Engineering, Undergraduate Academic Studies			
3.	P2413	Compu Formir	uter Aided E	Design of Tools and Dies f	or Metal	(P00) Production Engineering, Undergraduate Academic Studies			
4.	P303	Machir	nes for Proc	essing by Deforming		(P00) Production Engineering, Undergraduate Academic Studies			
5.	P3403	Techn materi	ology of Pla al	stic Forming - Shaping of	plastic	( P00) Production Engineering, Undergraduate Academic Studies			
6.	P3503	Machir	nes and De	vices for Plastic Processir	ıg	( P00) Proo Studies	duction Engineering, Undergraduate Academic		
7. M2062		Mecha	inical engin	eering technologies 2		(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies			
					( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies				
8.	M3203	Techn	ology of ma	chinery		(M30) Energy and Process Engineering, Undergraduate Academic Studies			
9.	P3402	Physic	al and Pha	se States of Polymers		(P00)Proo Studies	duction Engineering, Undergraduate Academic		
10.	ZR408A	Safety	at work on	the machines for process	ing	(Z01) Safety at Work, Undergraduate Academic Studies			
11.	P2407	Rapid	Prototyping	and Rapid Tooling		(PM0) Production Engineering, Master Academic Studies			
12.	P3501	Tool D	esigning fo	r Plastic		(PM0) Production Engineering, Master Academic Studies			
13.	P3503A	Conter	mporary Pro	ocess Systems for Plastic	Treatment	(PM0) Production Engineering, Master Academic Studies			
14.	BMIM4B	Techn	ologies of s	haping biomedical materia	als	(BM0) Biomedical Engineering, Master Academic Studies (PM0) Production Engineering, Master Academic Studies			
15.	PMISP1	Model	ing and Sin	nulation of Metal Forming	Processes	(PM0) Pro	PM0) Production Engineering, Master Academic Studies		
16.	PTS01	Techn	ology of sin	tering		(PM0) Pro	) Production Engineering, Master Academic Studies		
17.	DP001	Desigr Engine	and Resea	arch Methods in Productio	n	(M00) Mechanical Engineering, Doctoral Academic Studies			
18.	DP005	State a Quality	and Tenden / and Equip	cies in Development of M ment	etrology,	(M00) Mechanical Engineering, Doctoral Academic Studies			
19.	DP008	Conter	mporary Me	thods and TPD Systems		(M00) Mechanical Engineering, Doctoral Academic Studies			
20.	DP012	Physic	ysical Modelling and TPD Simulation by Computers (M00) Mechanical Engineering, Doctoral Academic Studies						
21.	DP015	Nonco	nventional l	Procedures of Forming in	TPD	( M00) Me	chanical Engineering, Doctoral Academic Studies		

HE STAS STUDIO		UNIVERSITY OF NOVI SAD									
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6									
		Study Programme Accreditation - PhD Studies									
		DOCTORAL ACADEMIC STUDIE	HOS HOS								
List o	of courses b	eing held by the teacher in the accred	lited study programme	S							
	ID	Course name	Study programme name, study type								
	SID04			<ul> <li>(E10) Power, Electronic and Telecommunication</li> <li>Engineering, Doctoral Academic Studies</li> <li>(E20) Computing and Control Engineering, Doctoral</li> <li>Academic Studies</li> </ul>							
				( F00) Graphic Engineering and Design, Doctoral Academic Studies							
				(F20) Engineerii	)) Engineering Animation, Doctoral Academic Studies						
				(G00) Civil Engi	00) Civil Engineering, Doctoral Academic Studies						
22		Current State in the Field		GI0) Geodesy and Geomatics, Doctoral Academic Studies							
22.		Current State in the Field		(H00) Mechatronics, Doctoral Academic Studies							
				( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies							
				(M00) Mechanic	anical Engineering, Doctoral Academic Studies						
				( OM1) Mathematics in Engineering, Doctoral Academic Studies							
				(S00) Traffic Engineering, Doctoral Academic Studies							
				Academic							
23.	DP026	Modern methods for polymers inves	tigation	(M00) Mechanic	al Engineering, Doctoral Ac	cademic Studies					
24.	DP028	Theoretical basis for forming polyme	er technology	(M00) Mechanic	al Engineering, Doctoral Ac	cademic Studies					
	SID04			(A00) Architecture, Doctoral Academic Studies							
25.		Present State in the Field		(AS0) Scenic Design, Doctoral Academic S							
				(Z01) Safety at V	Work, Doctoral Academic S	tudies					
Rep	presentative	e refferences (minimum 5, not more th	an 10)								
1.	Essa K., Technolo	Kačmarčik I., Hartley P., Plančak M., gy, 2012, Vol. 212, No 4, pp. 817-824	Vilotić D.: Upsetting o I, ISSN 0924-0136	f bi-metallic ring b	illets, Journal of Materials F	Processing					
2.	Alexandr Experime	lexandrov S., Vilotić D., Konjovoć Z., Vilotić M.: An Improved Experimental Method for Detrmining the Workability Diagram, xperimental Mechanics, 2012, Vol. 52, No 11340, ISSN 0014-4851									
3.	Alexandr 2009, Vo	ov S., Vilotić D.: A study on an effect I. 76, No 14, pp. 2309-2315, ISSN 00	of geometric singularit 13-7944	ies on ductile frac	cture , Engineering Fracture	e Mechanics,					
4.	Vilotić D. Experime	, Plančak M., Čupković Đ., Aleksandrov S., Aleksandrov N.: Free Surface Fracture in Three Upsetting Tests, ental Mechanics, 2006, Vol. 46, pp. 115-120, ISSN 0014-4851									
5.	Plančak I Steel Res	I., Hartley P., Esssa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, earch International, 2012, pp. 1247-1250, ISSN 1611-3683									
6.	Vilotić D. Flat Dies	Alexandrov S., Plančak M., Vilotić M., Ivanišević A., Kačmarčik I.: Material Formability at Upsetting by Cylindrical and Steel Research International, 2012, pp. 1175-1178, ISSN 1611-3683									
7.	Vilotić D. Steel Res	Alexandrov S., Plančak M., Movrin D., Ivanišević A., Vilotić M.: Material Formability of Upsetting by V-Shape Dies , earch International, 2011, pp. 923-928, ISSN 1611-3683									
8.	Lyamina Research	, Alexandrov S., Vilotić D., Movrin D.: Effect of Shape of Samples on Ductile Fracture Initiation in Upsetting, Steel nternational, 2010, Vol. 9, No 81, pp. 306-3090, ISSN 1611-3683									
9.	D. Vilotić Fakultetu slajdova,	D. Milikić, M. Plančak, M. Milutinović: Obrazovanje inženjera proizvodnog mašinstva iz oblasti oblikovanja plastike na ehničkih nauka u Novom Sadu, 4. kongres inženjera plastičara i gumara K – IPG 2006., zbornik na CDu, ppt 100 /ršac, 13-16. juni 2006.									
10.	Obradovi MMA 200	ović R., Vilotić D.: Prikaz tehnologije i opreme za za ultrazvučno zavarivanje termoplastičnih komponenata, Zbornik radova 2006, strana 27-28, FTN, Novi Sad, juni 2006.									
Sur	mmary data	for teacher's scientific or art and profe	essional activity:								
Quot	tation total :	CI) list papars :	17								
Curr	ent projecto	· · · · · · · · · · · · · · · · · · ·	Domestic :	1	International ·	1					
Jun	on projecio	•	Domestic.	4	mematonal.	<u> </u>					


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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Vojinović-Miloradov B. Mirjana				
Academic title:					Emeritus Professor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad				
starting date:					01.01.2000	01.01.2000			
Scier	ntific or art f	ield:		Î.	Environment	Protection E	ngineering		
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic title e	lection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering		
PhD	thesis		1976	Faculty of Technology -	Novi Sad		Technological Engineering		
Magi	ster thesis		1971	Faculty of Technology -	Novi Sad		Technological Engineering		
Bach	elor's thesis	S	1963	Faculty of Technology -	Novi Sad		Technological 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	gramme name, study type		
1.	Z503	Practio	cal Course i	n Environment Protection		(Z20) Envi	ronmental Engineering, Master Academic Studies		
2.	Z507	Physic	al and Che	mical Principles		(Z20) Envi	ronmental Engineering, Master Academic Studies		
						( OM1) Ma	thematics in Engineering, Master Academic		
3.	Z510	Accide	ental Risk M	lanagement and the Envir	ronment	Studies	tu at Marile Maatan Acadamia Chudiaa		
				0		(201) Sate	ety at work, Master Academic Studies		
						(ZZU) EIIVI	thematics in Engineering, Master Academic Studies		
4.	ZR504	Protec	tion agains	t Chemical Harms, Fire ar	nd Explosion	Studies			
5.	Z507	Fizičko	o hemijski p	rincipi(uneti naziv na engl	leskom)	(Z20) Envi	ronmental Engineering, Master Academic Studies		
6.	IM2819	Indust	rial eco-mai	rketing		(I20) Engir	neering Management, Master Academic Studies		
7.	IMDS82	Indust	rial eco-ma	rketing management		(I22) Engi Studies	22) Engineering Management, Specialised Academic udies		
8.	MPK005	5 Analysis of environmental protection syster			ns	( MPK) Inž naziv na ei	MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies		
9.	SZD050	Transp multice	port and dis	tribution of pollutants in he ystems	eterogeneous	( Z00) Env Studies	ironmental Engineering, Specialised Academic		
10.	SZDO03	Applie	d Analysis o	of Physical and Chemical	Parameters	( Z00) Env Studies	ironmental Engineering, Specialised Academic		
11.	SZSP09	Reme	diation of co	ontaminated locations		(Z00) Environmental Engineering, Specialised Academic Studies			
12.	ZR504A	Chemi	cal risk ass	essment of fire and explo	sion	(Z01) Safety at Work, Master Academic Studies			
13.	ZD050	Transp multice	port and dis	tribution of pollutants in he	eterogeneous	( Z00) Env Studies	ironmental Engineering, Doctoral Academic		
						( OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
14.	ZDO03	Applie	d Analysis o	of Physical and Chemical	Parameters	( Z00) Env Studies	ironmental Engineering, Doctoral Academic		
						(Z01) Safe	ety at Work, Doctoral Academic Studies		
15.	ZSP09	Reme	diation of C	ontaminated Sites		( Z00) Env Studies	ironmental Engineering, Doctoral Academic		
16.	IMDR82	Indust	rial eco-ma	rketing management		( I20) Indus Doctoral A	strial Engineering / Engineering Management, cademic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.	Sonja Ka Kovačevi Environm	išarević ć, Deteo nental C	, Nebojša A ction of Diox ontaminatio	ndrić, Stanka Bobić, Jele kin-like Contaminants in S n and Toxicology (2007),	na Tričković, lv oil from the Are online, 10.100	ana Teodor ea of Oil Ref 7/s00128-00	ović, Mirjana Vojinović-Miloradov, Radmila Z. ineries in Vojvodina Region of Serbia, Bulletin of )7-9241-4		
2.	S. Pavko AQUATIO	v, M. Vo C ECOS	ojinović, D. I SYSTEMS C	Buzarov, RESIDUES OF I DF VOJVODINA, Wat. Sci	PERSISTENT ( . Tech., 22(5),	ORGANOCI 107-111 (19	HLORINE COMPOUNDS IN SELECTED 90)		
3.	M. Vojino POLYCH OF THE	vić-Milo LORINA POLLU	oradov, P. M ATED BIPH FION OF AG	larjanović, D. Buzarov, S. ENYLS AND ORGANOCI QUATIC RESOURCES IN	Pavkov, L. Din HLORINE PES I VOJVODINA,	nitrijević, M. TICIDES IN YUGOSLA	Miloradov, BIOACCUMULATION OF SELECTED FISH SPECIES AS AN INDICATOR VIA, Wat. Sci. Tech., 26(9-11), 2361-2364 (1992)		
4.	Turk M, J determine	lakšić J, ed by ac	Vojinović N tive and pa	Ailoradov M, Klanova J, P Issive sampling methods,	ost-war levels of Environ Chem	of persistent Lett (2007),	organic pollutants (POPs) in air from Serbia 5:109-113		

ANTERS STUDIO			UNIVERSITY OF NO	VI SAD		WAKNX AL					
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6									
		Study Program	Study Programme Accreditation - PhD Studies								
		DOCTORAL ACADEMIC STUDIE	S	En	vironmental Engineering	HO					
Re	presentative re	efferences (minimum 5, not more th	an 10)								
5.	5. B.Škrbić, M.Vojinović-Miloradov, A CONTIBUTION TO THE QUALITATIVE GC ANALYSIS OF SOME NON-CHLORINATI XENOBIOTIC CHEMICALS IN WASTE WATERS, Wat.Sci.Tech., 30 (3) 91-93, 1994										
6.	Kovačević R., Vojnović-Miloradov M., Teodorović I. and Andrić S. EFFECT OF PCBs ON ANDROGEN PRODUCTION BY SUSPENSION OF ADULT RAT LEYDIG CELLS in vitro. J Steroid Bioch Mol Biol .52(6): 595-597 (1995)										
7.	Miloradov N zakonodavs 45 - B-48	Λ., Jakšić J., Turk M., Popov S., Voj stvom, rad po pozivu, 33. nacionaln	jinović-Miloradov M.: Ii a konferencija o kvalit	ntegralni katastar etu, zbornik radov	- harmonizacija zakonske r ra, ISBN 86-80581-86-0, ma	egulative sa EU aj 2006., str. B-					
8.	Vojinović M of integrate 2006., str. 6	liloradov M., Chriastel R.,Miloradov d water pollution control, 1. međuna 36-67.	M., Jakšić J., Turk M., arodni kongres ,,Ekolo	: Joint project Sei gija, zdravlje, rad,	rbia and Slovakia on the ins sport"", Zbornik apstrakata	stitutional support a, Banja Luka, jun					
9.	Mlić N., Mila antibiotics a HEAL. R., 2	anović M., Grujić Letić N.,Turk Seku as emerging contaminant substance 2012, pp. 1-15, ISSN 0960-3123	ulić M., Radonić (Jakši es in aquatic environm	ć) J., Mhajlović I., ent DOI: 10.1080/	Vojinović-Miloradov M.: Oc /09603123.2012.733934, IN	ccurrence of NT J ENVIRON.					
10.	Grujić Letić N., Mlić N., Turk Sekulić M., Radonić (Jakšić) J., Milanović M., Mhajlović I., Vojinović-Miloradov M.: Quantification of emerging organic contaminants in the Danube River samples by HPLC, Chemicke Listy, 2012, Vol. 106, pp. 264-266, ISSN 1213-7103										
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:								
Quot	tation total :		120								
Tota	I of SCI(SSCI)	list papers :	25								
Curr	ent projects :		Domestic :	3	International :	3					



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:					Vučinić-Vasić T. Milica			
Acad	lemic title:				Assistant Professor			
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad			
starting date:					15.04.2000			
Scier	ntific or art f	ield:			Physics			
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title e	lection:	2007	Faculty of Technical Sci	ences - Novi S	ad	Physics	
PhD	thesis		2007	Faculty of Sciences - No	ovi Sad		Physics	
Magi	ster thesis		2000	Faculty of Sciences - No	ovi Sad		Physics	
Bach	elor's thesis	S	1996	Faculty of Sciences - No	ovi Sad		Physics	
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es I		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	F102	Physic	S			( F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2.	GG06	Civil E	ngineering	Physics		( G00) Civi	il Engineering, Undergraduate Academic Studies	
з	S014	Physic	•e			( S00) Traf Academic	ffic and Transport Engineering, Undergraduate Studies	
0.		T Hysic				(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						(E11) Pow Engineerin	ver, Electronic and Telecommunication Ig, Specialised Academic Studies	
					( I12) Indus		strial Engineering, Specialised Academic Studies	
4.	DZ01FS	Selected Chapters in Physics				( I22) Engineering Management, Specialised Academic Studies		
						( Z00) Environmental Engineering, Specialised Academic Studies		
						( E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies	
						<ul> <li>(E20) Computing and Control Engineering, Doctoral Academic Studies</li> <li>(F00) Graphic Engineering and Design, Doctoral Academic Studies</li> </ul>		
						(G00) Civi	il Engineering, Doctoral Academic Studies	
						( GI0) Geo	desy and Geomatics, Doctoral Academic Studies	
						( H00) Med	chatronics, Doctoral Academic Studies	
5.	DZ01F	Select	Selected Chapters in Physics			( 120) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
						(M00) Mechanical Engineering, Doctoral Academic Studies		
						( M40) Tec	chnical Mechanics, Doctoral Academic Studies	
						(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
						(S00) Traf	ffic Engineering, Doctoral Academic Studies	
						(Z00) Environmental Engineering, Doctoral Academic Studies		
						(Z01) Safe	ety at Work, Doctoral Academic Studies	
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)				
1.	Milica Vu	činić-Va	isić, Divko (	Ćirić, Tatjana Škrbić, Mirol	jub Đurić, Zbirl	ka zadataka	iz fizike, FTN Izdavaštvo, Novi Sad 2005.	
2.	Ljuba Bu automatil	dinski-P ku, S PF	etković, Mil RINT, Novi S	ica Vučinić, Dušan Ilić, Pr Sad, 2003	aktikum ekspei	rimentalnih	vežbi iz fizike – odsek za računarstvo i	
3.	Ljuba Bu za grafiči	dinski-P ko inžen	etković, Mil jerstvo – od	ica Vučinić-Vasić, Dušan Isek za mehatroniku, Delt	Ilić, Praktikum a press, Novi S	eksperimen ad, 2003.	talnih vežbi iz fizike – odsek za mašinstvo – odsek	
4.	<ul> <li>4. Vučinić-Vasić M.: Exchange-Bias and Grain-Surface Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447</li> </ul>							

SITAS STUD			UNIVERSITY OF NO	VI SAD		WUKNX HA				
IVE.	NOR COR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6								
2 DE SCA		Study Programme Accreditation - PhD Studies								
Rep	presentative r	efferences (minimum 5, not more th	an 10)							
<ul> <li>Vučinić-Vasić M., Mihailović A., Kozmidis-Luburić U., Nemeš T., Ninkov J., Zeremski T., Antić B.: Metal contamination of sho</li> <li>term snow cover near urban crossroads: Correlation analysis of metal content and fine particles didtribution, Chemosphere, 2</li> <li>Vol. 6, No 86, pp. 585-592</li> </ul>										
6.	<ul> <li>Kremenović A., Jančar B., Ristić M., Vučinić-Vasić M., Rogan J., Pacevski A., Antić B.: Exchange-Bias and Grain-Surface</li> <li>Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447</li> </ul>									
7.	Antić B., Kr Compositio Materials cl	emenović A., Vučinić-Vasić M., Doh n related properties of (Yb,Y)(2)O-3 nemistry and physics, 2010, Vol. 12	ncević-Mitrović Z., Niko 3 nanoparticles synthe 2, No 2-3, pp. 386-39	bloć A., Gruden-P sized by controlle 1, ISSN 0254-058	avlović M., Jančar B., Mede d thermal degradation of A 4	en A.: A complexes,				
8.	Antić B., Ro photolumin NANOTEC	ogan J., Kremenović A., Nikoloć A., escence of Y2O3:Eu and Gd2O3:Eı HNOLOGY, 2010, Vol. 21, No 24, p	Vučinić-Vasić M., Bož u phosphors synthesiz p. 2457-2457, ISSN 0	anić D., Goya G., ed by thermolysis 957-4484	Colomban P.: Optimization of 2,4-pentanedione comp	n of Ilexes,				
9.	Jović N., Vu nanocrysta and physics	učinić-Vasić M., Kremenović A., Ant Iline LiZn0.5Ti1.5O4 spinel and ther s, 2009, No 2-3, pp. 542-549, ISSN	ić B., Jovalekić Č., Vu mally induced order-d 0254-0584	lić P., Kahlenberg isorder phase tra	y V., Kaindl R.: HEBM synth nsition (P4332-Fd3m), Mate	esis of erials chemistry				
10.	<ul> <li>Vučinić-Vasić M., Antić B., Blanuša J., Rakić S., Kremenović A., Nikolić A., Kapor A.: Formation of nanosize Li-ferrites from</li> <li>acetylacetonato complexes and their crystal structure, microstructure and order-disorder phase transition , Applied Physics A, 2006 Vol 82 No 1 pp. 49-54 JSSN 0947-8396</li> </ul>									
Sur	mmary data fo	r teacher's scientific or art and profe	essional activity:							
Quot	tation total :		53							
Tota	I of SCI(SSCI)	list papers :	17 Demostia :		International	4				
Curre	eni projects :		Domestic :	2	international :	I				



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:			Vujić V. Goran						
Academic title:			Associate Professor						
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad				
starting date:					20.02.1999				
Scier	ntific or art f	ield:			Environment Protection Engineering				
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	ection:	2012				Environment Protection Engineering		
PhD	thesis		2007	Faculty of Technical Science	ences - Novi Sa	ad	Environment Protection Engineering		
Magi	ster thesis		2003	Faculty of Technical Science	ences - Novi Sa	ad	Environment Protection Engineering		
Bach	elor's thesis	6	1998	Faculty of Technical Science	ences - Novi Sa	ad	Mechanical Engineering		
List c	of courses b	eing hel	d by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	gramme name, study type		
1.	E0S42	Renew	able source	es and environmental prot	tection	( E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
2.	Z204A	Monito	ring of the I	iving Environment		(Z01) Safe (ZC0) Clea Academic (Z20) Envir Studies	ety at Work, Undergraduate Academic Studies an Energy Technologies, Undergraduate Studies ronmental Engineering, Undergraduate Academic		
3.	Z309A	Solid V	Vaste Mana	igement		( Z01) Safe (Z20) Envi Studies	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic		
4.	Z401A	Desigr	and Plann	ing in Environmental Prot	ection	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
5.	Z401B	Desigr	and Plann	ing in Environmental Engi	neering	( ZC0) Clea Academic	ZC0) Clean Energy Technologies, Undergraduate cademic Studies		
6.	Z409A	Hazaro Techno	dous Waste ologies	Management and Recycl	ling	(Z20) Envi Studies	(Z20) Environmental Engineering, Undergraduate Academic Studies		
7.	OAS214	Integra	ılni katastar	zagađivača(uneti naziv n	a engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies			
8.	Z101	Uvod i engles	principi zaš kom)	tite okruženja(uneti naziv	na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
9.	Z205	Održiv životne	o korišćenje e sredine(ur	e prirodnih resursa i sister neti naziv na engleskom)	n zaštite	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
10.	Z309A	Upravl	janje čvrstir	n otpadom(uneti naziv na	engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
11.	Z401A	Projek naziv r	tovanje i pla na englesko	aniranje u zaštiti životne si m)	redine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
12.	Z409A	Upravl	janje opasn	im otpadom(uneti naziv n	a engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
13.	M3202	Identifi	cation and	reduction of pollution from	n industry	(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
14.	ZC047	Waste	to energy t	ehnologies		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
15.	Z452	Desigr enviror	n and mainte nmental eng	enance of quality control i gineering	n	(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies		
16.	Z508	Specific Design Conditions in Environment		Protection	(Z20) Envi	ronmental Engineering, Master Academic Studies			
17.	Z511	Institutional Framework for Accidental Risk		Management	(Z20) Envi	ronmental Engineering, Master Academic Studies			
18.	ZR501	Hazaro	dous Materi	als and Hazardous Waste	)	(Z01) Safe	ety at Work, Master Academic Studies		
19.	Z508	Specifi	čni uslovi p	rojektovanja u zaštiti život	tne	(Z20) Envi	ronmental Engineering, Master Academic Studies		
20	GH508	Landfil	l desing an	d municipal waste treatma	ant systems	(G00) Civil	Engineering, Master Academic Studies		
21.	MPK012	Solid v	vaste mana	gement		( MPK) Inž naziv na el	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
22.	MPK014	Monito	ring and sy	stem control		( MPK) Inž naziv na ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
23.	PIP16	Plastics and environmental protection				(PM0) Pro	duction Engineering, Master Academic Studies		

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



# Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES Environmental Engineering

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

LISU		leing heid by the teacher in the accred	inted study programme	.5					
	ID	Course name		Study program					
24.	SZD042	Models of economic evaluation of er	vironmental projects	(Z00) Environm Studies	ental Engineering, Specialise	ed Academic			
25.	SZD051	Applications of optimal control theory environment protection	y in living	(Z00) Environmental Engineering, Specialised Academic Studies					
26.	SZDI23	Material Flow Analysis in Urban Sys	tems	(Z00) Environm Studies	ental Engineering, Specialis	ed Academic			
27.	SZSP21	Design and Planning Processes to M Hazardous Materials	linimize Waste and	(Z00) Environm Studies	ental Engineering, Specialis	ed Academic			
28.	ZCM06	Security of strategic energy facilities		( ZC0) Clean En Studies	ergy Technologies, Master A	Academic			
29.	ZD051	Applications of optimal control theory environment protection	y in living	(Z00) Environm Studies	ental Engineering, Doctoral	Academic			
30.	ZDI23	Material Flow Analysis in Urban Sys	tems	( Z00) Environm Studies	ental Engineering, Doctoral	Academic			
	70.040	Models of Economic Evaluation of P	roiects for	( OM1) Mathema Studies	atics in Engineering, Doctora	Il Academic			
31.	ZDO42	Environment Protection	.,	( Z00) Environm Studies	ental Engineering, Doctoral	Academic			
32.	ZSP20	Systemic Regulation of Environment		(G00) Civil Engi	neering, Doctoral Academic	Studies			
				( OM1) Mathema Studies	atics in Engineering, Doctora	I Academic			
33.	ZSP21	Hazardous Materials	linimize waste and	(Z00) Environmental Engineering, Doctoral Academic Studies					
				(Z01) Safety at	Work, Doctoral Academic St	udies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.	Vujić, G., Contamir	Pešenjanski, I.: Combustion chamber nation in central and Eastern Europe. I	r for stawn bals, Fifth I Prague 2000.	nternational Sym	posium and Exhibition on E	nvironmental			
2.	Vujić, G., Internatic	Marinić, I., Bašić, Đ.: Waste Separational Symposium and Exhibition on Environment	on and Recicling Meth	nods, Which Are T ation in central an	he Most Suitable For City of deastern Europe, Prague 2	Novi Sad, Sixth 003.			
3.	Vujić, B., Serbia&N Europe, F	Vujić, G.: Environmental due diligence Aontenegro, Sixth International Sympo Prague 2003.	e and its appliance in osium and Exhibition o	specific national on Environmental of	environmental condition in Contamination in central and	l Eastern			
4.	Jezdimiro and Exhil	ovic.I.A., Vujic,G., Mudric, J.: Special ( bition on Environmental Contamination	Conditions of Raw and n in central and Easter	Drinking Water n rn Europe, Prague	nanagement, Sixth Internatio	onal Symposium			
5.	Vujić, G., YAI, Thai	Bašić, Đ. Mihajlov, A.: Process of priv iland, 16-18 december. 2003.	vatisation and environ	iment in Serbia ar	nd Montenegro, PSU-UNS c	onference, HAT-			
6.	Vujić, G., the purpo	Vojinović-Miloradov M., Bašić, Đ., Vu ose of the good managing in municipal	jić,B., Čabradi, G., Tol I landfill of Novi Sad, C	mašević, B.: Lanc CHISA 2004, 22-2	Ifill gas modelling and risk as 6,08.2004.Prague, Czech R	ssessment in epublic.			
7.	Ubavin, I And Envi	D., Vujić, G., Bašić, Đ.:Landfill gas extr ronment - ICEE-2005, Novi Sad 19-21	raction and collection s I May, 2005.	systems; PSU-UN	IS International Conference	On Engineering			
8.	Ubavin, E Faculty o 2005. Bu	D., Vujić, G., Mihajlov, A., Bašić, D.: C f Technical Sciences, Novi Sad, Serbi enos Aires, Argentina Ref No 194, Pro	Gas to energy opportur a and Montenegro, W poceedings p.82	nity on landfill in c orld Congress an	ity of Novi Sad – Serbia and d Exhibition "ISWA 2005", N	Montenegro D. lovember 610.			
9.	Marjanov Landfill L 2007. Pro	rić, D., Vujić, G , Mihajlović, V., Ubavir ocation Selection, PSU-UNS Internatio oceedings CD ICCEE2007149	n, D.: Selection of Tech onal Conference on Ei	nnology and Publi ngineering and Er	c Opinion as Key Factors in nvironment - ICEE-2007, Ph	Regional uket May10-11,			
10.	Vujić, G , on Engin	Mihajlović, V., Ubavin, D.: Possibilitie eering and Environment - ICEE-2007,	s for Landfill Gas Usa Phuket May10-11, 20	ge at Novi Sad La	andfill, PSU-UNS Internation CD ICEE2007150	al Conference			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		0						
Tota	of SCI(SS	CI) list papers :	0						
Curre	Current projects : Domestic : 1 International : 1								



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:						Vujić V. Zoran				
Academic title:			Assistant Professor							
Name of the institution where the teacher works full time and			-							
starti	ng date:									
Scier	ntific or art f	ield:				Biosystems E	ingineering			
Acad	emic caries	er	Year	Institution				Field		
Acad	emic title e	lection:	2010	Faculty of Techni	cal Sci	ences - Novi Sa	ad	Biosystems Engineering		
PhD	thesis		2008	Essex university	- Nepo	znato		Thermal Energetics and Thermo	technics	
Bach	elor's thesis	S	2003	Faculty of Techni	cal Sci	ences - Novi Sa	ad	Applied Fluid Mechanics - Hydro Technics	Pneumatic	
Magi	ster thesis		1900					Thermal Energetics and Thermo	technics	
List c	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	s			
	ID	Course	e name				Study pro	ogramme name, study type		
1.	URZP35	Modeli	ing and Sim	ulation in Risk Ma	nageme	ent	( ZP0) Disa Undergrad	aster Risk Management and Fire S luate Academic Studies	Safety,	
2.	URZP47	Fire Ri	isk Manage	ment in Industry			( ZP0) Disa Undergrad	aster Risk Management and Fire S luate Academic Studies	Safety,	
3.	ZC028	Geosp	atial techno	ologies and system	s		( ZC0) Cle Academic	ZC0) Clean Energy Technologies, Undergraduate cademic Studies		
4.	URZP63	Safety	of Strategie	c Energy Facilities			( ZP1) Disa Academic	ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies		
5.	Z477	Sustai	nable Agric	ulture Engineering			(Z20) Envi	ronmental Engineering, Master Ac	ademic Studies	
6.	Z477	Inženje engles	erstvo održi kom)	ve poljoprivrede(ur	neti naz	ziv na	(Z20) Environmental Engineering, Master Academic Studies			
7.	SGD023	Energe	etska efikas	nost građevinskih	objekat	ta	(Z00) Environmental Engineering, Specialised Academic Studies			
8.	ZSP09	Reme	diation of C	ontaminated Sites			( Z00) Env Studies	ironmental Engineering, Doctoral	Academic	
Rep	oresentative	e reffere	nces (minin	num 5, not more th	an 10)					
1.	Schröder Strong St "New Ene	, M., Vu team Ex ergy for	jic, Z., Pohl plosions in New Europ	ner, G., Buck, M., I 3D Geometry Con e 2009", Bled, Slov	Bürger, sidering venia.	M., Lohnert, G g Real Acciden	., Septembe t Scenarios	er 2009. Investigation of Main Limi . In: Proceedings of International C	ting Effects to Conference	
2.	Vujic, Z., to Steam	May 20 Explosi	08. Improve on Strength	ements and Verification. In: Proceedings	ation of of KTG	the Models for Meeting, Ham	Simulation ourg, Germa	of Steam Explosions in LWR – Ma	ain Limitations	
3.	Vujic, Z., to Steam	May 20 Explosi	08. Improve on Strength	ements and Verification. In: Proceedings	ation of of KTG	the Models for Meeting, Hamb	Simulation ourg, Germa	of Steam Explosions in LWR – Ma any.	ain Limitations	
4.	Vujic, Z., to Steam	May 20 Explosi	08. Improve on Strength	ements and Verification. In: Proceedings	ation of of KTG	the Models for Meeting, Ham	Simulation ourg, Germa	of Steam Explosions in LWR – Ma	ain Limitations	
5.	Vujic, Z., to Steam	May 20 Explosi	08. Improve on Strength	ements and Verification. In: Proceedings	ation of of KTG	the Models for Meeting, Ham	Simulation ourg, Germa	of Steam Explosions in LWR – Ma any.	ain Limitations	
6. Vujic, Z., March 2005. Improvement and Verification of Erstes HGF Doktorandenseminar .Nukleare Sicherhei				f Steam Explos itsforschung", K	sion and Pa Carlsruhe, G	rticulate Debris Formation Models ermany.	and Codes,			
Sun	nmary data	for teac	her's scient	tific or art and profe	essiona	I activity:				
Quot	ation total :									
Total	of SCI(SS	CI) list p	apers :							
Current projects : Dome				estic :		International :				



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Name and last name:			Vukelić B. Đorđe						
Acad	emic title:				Assistant Professor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad				
starting date:					23.10.2000		and Factorized Factorized Accord		
Scier	ntific or art f		Veer	Institution	wetrology, Q	Jality, Fixtur	Eigld		
Acad	emic carlee	er	rear	Institution			Field		
Acad	emic title el	lection:	2010	Faculty of Technical Sci	ences - Novi S	ad	Engineering Aspects		
PhD	thesis		2010	Faculty of Technical Science	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
Magi	ster thesis		2005	Faculty of Technical Science	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
Bach	elor's thesis	S	2000	Faculty of Technical Scie	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	es			
	ID	Course	e name			Study pro	gramme name, study type		
1.	P1401	Fixture	e Design an	d Measuring Machines		( P00) Proo Studies	duction Engineering, Undergraduate Academic		
						(P00)Proo Studies	duction Engineering, Undergraduate Academic		
2.	P1508	Revers	se Engineer	ing and CAQ		( SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						( SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
						( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
3.	P209	Measu	irements an	d Quality		duction Engineering, Undergraduate Academic			
4.	P306	Fixture	es			( P00) Production Engineering, Undergraduate Academic Studies			
5.	Z207	Mecha	inical Engin	eering in Environmental E	ingineering	(Z20) Environmental Engineering, Undergraduate Academic Studies			
6.	Z207A	Mecha	nical Engin	eering in Environmental E	ingineering	(Z01) Safety at Work, Undergraduate Academic Studies			
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
7.	Z301	Polluti	on Measure	ment and Control		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
8.	ZRI441	Materi protec	al handling tion	systems for environmenta	I and labor	(Z01) Safety at Work, Undergraduate Academic Studies			
9.	II1037	Disass	embly and	recycling technologies		(110) Indus Studies	strial Engineering, Undergraduate Academic		
10.	P322	Introdu	uction to Pre	ecision Engineering		( P00) Proo Studies	duction Engineering, Undergraduate Academic		
11.	ZC036	Measu	irement and	l control of pollution		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
12.	P1409	Materi	al Control S	ystems and CAI		(PM0)Pro	duction Engineering, Master Academic Studies		
13.	P1501	Ecolog	gical Techno	blogies and Systems		( M40) Tec Academic	nnical Mechanics and Technical Design, Master Studies		
					(PM0) Pro	duction Engineering, Master Academic Studies			
14.	Z416A	Enviro	nment Prote	ection System Manageme	nt	(PM0) Pro	duction Engineering, Master Academic Studies		
15.	1907	Autom	ated Assen	nbly Systems for High Acc	uracy	( H00) Mea ( PM0) Pro	chatronics, Master Academic Studies Iduction Engineering, Master Academic Studies		
16.	P321	Revers	se Engineer	ing and Rapid Prototyping	<b>j</b>	( 110) Indu	strial Engineering, Master Academic Studies		
17.	PIP16	Plastic	s and envir	onmental protection		(PM0) Pro	duction Engineering, Master Academic Studies		
18.	PLIS1	Logisti	cs and Sim	ulation in Technologies of	Plastics	(PM0)Pro	duction Engineering, Master Academic Studies		
19.	PP103	Measu	irement and	I tools in precision engine	ering	(PM0) Pro	duction Engineering, Master Academic Studies		
20.	SM3	Softwa	are support	for reverse engineering ar	nd CAQ	(PM0) Pro	0) Production Engineering, Master Academic Studies		

ASTAS STUDIORUM			UNIVERSITY OF NOVI SAD								
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6									
		Study Program	Study Programme Accreditation - PhD Studies								
, Ot	LANTEN	DOCTORAL ACADEMIC STUDIES	DOCTORAL ACADEMIC STUDIES Environmental Engineering								
List c	of courses b	eing held by the teacher in the accred	lited study programme	es							
	ID	Course name		Study programme name, study type							
21.	SMI003	Software support for cutting tools an	d fixtures modeling	(PM0) Production	on Engineering, Master Aca	ademic Studies					
22.	SZDH1	Modern Methods of Eco-design		( Z00) Environm Studies	ental Engineering, Speciali	sed Academic					
23.	DM411	Contemporary Approach to Integrati Engineering of Rapid Prototyping, To Virtual Manufacturing	on of Reverse ools, Products and	( M00) Mechanio	cal Engineering, Doctoral A	cademic Studies					
24.	DP001	Design and Research Methods in Pr	oduction	( M00) Mechanio	cal Engineering, Doctoral A	cademic Studies					
25.	DP006	State and development trends of me fixtures	trology, quality and	(M00) Mechanio	cal Engineering, Doctoral A	cademic Studies					
26.	DP013	Ecological Engineering Aspects		(M00) Mechanio	cal Engineering, Doctoral A	cademic Studies					
27.	DP019	Selected topics in technical diagnosi	s	(M00) Mechanio	cal Engineering, Doctoral A	cademic Studies					
28.	ZDH1	Modern Methods of Eco-design		( Z00) Environm Studies	ental Engineering, Doctora	l Academic					
Rep	oresentative	e refferences (minimum 5, not more th	an 10)								
1.	Budak I., Sensors,	Vukelić Đ., Bračun D., Hodolič J., Sol Sensors, 2012, Vol. 12, No 1, pp. 110	ković M.: Pre-Process 00-1126, ISSN 1424-8	sing of Point-Data 220.	from Contact and Optical	3D Digitization					
2.	Tadić B., shaped e 2234-759	Jeremić B., Todorović P., Vukelić Đ., lements, International Journal of Prec 03.	Proso U., Mandić V., ision Engineering and	Budak I.: Efficien Manufacturing, 2	t workpiece clamping by in 2012, Vol. 13, No 10, pp. 17	denting cone- 25-1735, ISSN					
3.	Tadić B., Engineer	Todorović P., Vukelić Đ., Jeremić B.: ing Failure Analysis, 2011, Vol. 18, No	Failure analysis and 5, pp. 1308-1321, IS	effects of redesig SN 1350-6307.	n of a polypropylene yarn t	wisting machine,					
4.	Matin I., I Products	Hadžistević M., Hodolič J., Vukelić Đ., , International Journal of Advanced M	Lukić D.: A CAD/CAI anufacturing Technolo	E Integrated Injec ogy, 2012, Vol. 63	tion Mold Design System fo , No. 5-8, pp. 595-607, ISS	or Plastic N 0268-3768.					
5.	Tadić B., burnishin Manufact	Todorović P., Lužanin O., Miljanić D., g tool to achieve high-quality surface uring Technology, 2012, ISSN 0268-3	Jeremić B., Bogdano finish, DOI: 10.1007/s 3768.	vić B., Vukelić Đ.: 00170-012-4508-	: Using specially designed 2, International Journal of A	high-stiffness Advanced					
6.	Mrkajić V urban en	., Stamenković M., Maleš M., Vukelić vironment, Carpathian Journal of Eart	Đ., Hodolič J.: Propo h and Environmental \$	sal for reducing p Sciences, 2010, V	roblems of the air pollution /ol. 5, No 1, pp. 49-56, ISSI	and noise in the N 1842-4090.					
7.	Vukelić Đ Advanceo	0., Zuperl U., Hodolič J.: Complex sys d Manufacturing Technology, 2009, V	tem for fixture selection ol. 45, No 7-8, pp. 731	on, modification, a -748, ISSN 0268	and design, International Jo -3768.	urnal of					
8.	Vukelić Đ in RFID e	0., Ostojić G., Stankovski S., Lazarević environment, Assembly Automation, 2	ć M., Tadić B., Hodolič 011, Vol. 31, No 1, pp	5 J., Simeunović N . 62-68, ISSN 014	<ul> <li>Machining fixture assen 14-5154.</li> </ul>	nbly/disassembly					
9.	Trifković in Accura	B., Budak I., Todorović A., Hodolič J., icy Measurement of Ceramic Crowns,	Puškar T., Jevremovi Measurement Scienc	ć D., Vukelić Đ.: e Review, 2012, V	Application of Replica Tech Vol. 12, No 3, pp. 90-97, IS	nique and SEM SN 1335-8871.					
10.	Tadić B., Vukelić Đ., Hodolič J., Mitrović S., Erić M.: Conservative-Force-Controlled Feed Drive System for Down Milling, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 5, pp. 425-439, ISSN 0039-2480.										
Sur	nmary data	for teacher's scientific or art and profe	essional activity:								
Quot	ation total :		34								
Total	of SCI(SS	CI) list papers :	21	i	i	-i					
Curre	ent projects	:	Domestic :	3	International :	3					



FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Standard 10. Organizational and Material Resources

To perform the study programme, the adequate human, spatial, technical and technological, library and other resources suitable to the study programme features and predicted students` number are provided. Classes on the study programme Computing and Control Engineering are held in 2 shifts, so the minimum of 2 m2 of space is provided per student.

To perform the study programme, the adequate space for lecturing is provided, as well as the adequate laboratory space necessary for the experimental work and the equipment based on contemporary information and communication technologies. Lectures are held in amphitheatres, classrooms and specialized laboratories.

Faculty provides the usage of the library fund from its own or other sources (books, monographs, scientific magazines, other periodicals) in the amount necessary for the Doctoral study programme. Doctoral study students have the access to databases necessary for Doctoral dissertation elaboration and scientific and research work.

The library possesses more than 100 library units relevant for the performance of the study programme. All courses from the study programme have adequate textbooks, devices and supplementary equipment available on time and in a satisfactory number for the normal teaching process. There is also adequate information support.

Faculty has the library and the study room and provides a seat for each student in amphitheatres, classrooms and laboratories.

Faculty has a short-term and a long-term plan and the budget for the realization of scientific and research work.

Means for the realization of Doctoral studies, besides the ones provided by the resource ministries, are also provided in cooperation with other higher education institutions, accredited scientific institutions and international organizations.

Faculty provides students to utilize equipment or have access to necessary and adequate equipment in the possession of the Faculty, for scientific and research work.

Faculty provides students to utilize equipment or have access to the equipment necessary for scientific and research work on the basis of contracts on cooperation with other appropriate institutions.



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



Study Programme Accreditation - PhD Studies DOCTORAL ACADEMIC STUDIES

Environmental Engineering

Standard 11. Quality Control

Estimation of the study programme quality is elaborated regularly and systematically via self-evaluation and external quality control. One should place an emphasis on the multi-decade practice of students` surveys.

Study programme quality control is elaborated in the following manners:

- Surveying students at final lecture from the given course.

- Surveying students on the quality of the study programme and logistic support to the studies in the event

of awarding the Diploma. Also, the studying comfort (classroom cleanness and tidiness) is evaluated there. - Surveying students during the confirmation on completing a year of studies. Then students evaluate the logistic support to the studies.

- Surveying students on enrolling each year of studies. Then students evaluate the study programme at the year they completed in the prior academic year.

- Surveying the teaching and non-teaching staff on the quality of the study programme and the logistic support to the studies. This survey evaluates the work of the Dean's office, Registrar's office, library, and other services at the Faculty. Furthermore, the studying comfort (classroom cleanness and tidiness) is also evaluated.

To monitor the quality of the study programme, there is also a committee with all heads of all Departments participating in the realization of the study programme, together with a student from each study group. Additional quality is obtained by the obligatory scientific production of candidates. Prior to beginning the defence of the Doctoral dissertation, each candidate is obliged to publish at least 2 (two) papers in the R54 rank (following the categorization provided by the Ministry of Science) and at least one paper in the magazine from the SCI list.