

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

Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering



STUDY PROGRAMME ACCREDITATION MATERIAL:

CIVIL ENGINEERING

MASTER ACADEMIC STUDIES

Novi Sad 2012.

Prevod sa srpskog jezika:

- Jelisaveta Šafranj
- Ivana Mirović
- Marina Katić
- Vesna Bodganović
- Dragana Gak
- Ličen Branislava





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Programme name	Civil 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	Civil Engineering
Type of studies	Master Academic Studies
Study scope, expressed in ECTS	62-69
Academic degree, abbreviation	Master in Civil Engineering, M.Civ.Eng.
Study length	1
Programme implementation starting year	2009
Future course implementation starting year (for new programme)	
Number of students attending this programme	18
Planned number of students to be enrolled in this programme	128
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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Standard 00. Introduction

MASTER ACADEMIC STUDIES

The study programme for the Graduate Academic Studies – Master in Civil Engineering presents a continuation of the study programme for Undergraduate Academic Studies in Civil Engineering at the Faculty of Technical Sciences, University of Novi Sad.

Precisely, this programme should enable students, within the selected study group, to additionally realize their knowledge based on understanding the basic principles in diverse fields in civil engineering; to learn supplementary professional knowledge for realizing contemporary solutions in civil engineering; to acquire abilities for knowledge integration which should be applied in every individual case; and to be introduced to the research work during the realization of this study programme.



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Standard 01. Programme Structure

MASTER ACADEMIC STUDIES

The name of the study programme of this graduate academic studies is Civil Engineering. The academic title awarded is Master in Civil Engineering (MSc. (Civ.Eng.)). The outcome of the study process is the knowledge that enables students to use professional literature, to apply that knowledge in solving problems occurring in profession, and, in the case of students' wishes, enable them to continue the studies at specialization or doctoral studies.

The prerequisites for enrolling the study programme are the completed undergraduate studies with at least 240 ECTS and passed qualification examination.

At the graduate academic studies in Civil Engineering that last for one year, there are four study groups: Structures, Hydrotechnics, Roads, and Construction Management. Student selects one of four study groups in accordance with their previous education. Lectures at a study group are organized if there are a sufficient number of students who would like to enrol. If there are not enough candidates, lectures are not held, or the Faculty management passes a special decision on the manner of lecture organization at that study group (tutorials with students).

Within the study group "Structures", the emphasis is placed on designing and building special concrete, steel and wood structures in building construction and civil engineering construction, as well as structure repair and maintenance. Within the study group "Hydrotechnics", students are enabled to design complex hydrotechnical systems in the fields of water supply, sewerage, melioration, etc. Within the study group "Roads" students acquire knowledge in planning, designing and managing road networks and bridges. Within the study group "Construction Management" students obtain knowledge in the field of project and building management, construction management and modelling systems and processes. Within the selected study group, students have obligatory and optional courses. Optional courses are selected from the groups of proposed courses.

Teaching is performed in lecturing and practice. At lectures, with the usage of adequate didactic means, the course material is presented with necessary explanations contributing to better understanding of course content. At practice that follow the lectures, concrete tasks are solved and examples are presented for additional explanations of the course content. Practice classes also serve to obtain supplementary explanations for the material presented at lectures. Practice can be auditory, laboratory, computer and computing. Students have to have obligatory professional practice, done individually in construction organizations.

Number of students in a group is determined in dependence on the character practice classes. Students' obligations at practice can also include the elaboration of seminar papers and homework, project tasks, semester and graphic papers, where each activity by students during the teaching process is monitored and graded according to the regulations adopted at the Faculty level. The number of obtained points is presented in accordance with the unique methodology and represents students' performances.

Each course has a certain number of ECTS credits, and the entire studies are considered to be completed when the student fulfils their obligations described in the study programme and in the process obtains at least 60 ECTS credits.



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Standard 02. Programme Objectives

MASTER ACADEMIC STUDIES

The aim of the study programme is the education of students for the profession of a graduate engineer, a master, in accordance to the needs of the society.

The study programme in Civil Engineering is designed is such a manner as to provide the acquisition of competencies that are socially justifiable and useful. The Faculty of Technical Sciences has defined graduate tasks and aims in educating highly competent professionals in the field of civil engineering. The aim of the study programme in Civil Engineering is completely in accordance with the graduate tasks and aims of the Faculty of Technical Sciences.

The realization of a designed study programme provides education for masters in civil engineering who have competence in European and worldwide frameworks.



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Standard 03. Programme Goals

MASTER ACADEMIC STUDIES

The objective of the study programme is to achieve competencies and academic skills in the field of civil engineering. Among other items, it also includes the development of creative abilities in problem observations and the ability of critical thinking, the development of abilities for teamwork and possessing specific practical skills necessary in the profession.

The objective of the study programme is to educate experts who have enough complex knowledge in designing, repairs and building structures in building construction, civil engineering construction, hydrotechnics, road networks, as well as building management and construction management. One of the special objectives, in accordance with the objectives in educating experts at the Faculty of Technical Sciences, is the development of consciousness with students for the need of permanent education, development of the society in general and environmental protection. The objective of the study programme is also the education of experts in the field of teamwork, as well as the development of competencies for presenting their results to the professional and wider public.



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Standard 04. Graduates` Competencies

Graduate students of the Master studies in Civil Engineering are competent to solve real and complex problems in construction practise, as well as to continue their education if wanted. The competencies include, first and foremost, the development of the ability of critical thinking, ability to analyse problems, synthesise problems, predict the behaviour of the selected solution with the clear presentation of advantages and drawbacks of the selected solution.

The qualifications determining the completion of the Master studies are obtained by students who:

?present knowledge and understanding in the field of civil engineering, which supplements the knowledge acquired at the undergraduate academic studies and presents the basis for developing critical thinking and knowledge application;

?are capable to apply knowledge in solving problems in new or unknown surroundings in wider or multidisciplinary areas within the educational and scientific field of studies;

?have the ability to integrate knowledge, solve complex problems and make conclusions based on available information containing thinking on social and ethic responsibilities linked to the application of their knowledge and opinions;

?are capable to transfer knowledge and thinking process in a clear and unambiguous manner to the professional and wider public;

?possess the ability to continue their studies in the manner selected individually.

When considering the specific abilities of students, by acquiring the Master programme, students obtain thorough knowledge and understanding of all disciplines of the selected study group, as well as the ability to solve concrete problems with the usage of scientific methods and procedures. Master in Civil Engineering is capable to write and present the results of their work in a proper manner. During studies, the emphasis is placed on an intensive usage of contemporary information and other technologies.

Graduate students at this level of studies possess competencies for monitoring and applying novelties in their practice.

Students are able to design, organize and manage production. During education, a student obtains the ability to individually plan experiments and static result processing, as well as to formulate and make appropriate conclusions.

Masters in Civil Engineering acquire knowledge as to how to economically utilize natural resources of the Republic of Serbia in accordance with the principles of sustainable development.

Special attention is attributed to the ability for teamwork and the development of professional ethics.



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Standard 05. Curriculum

MASTER ACADEMIC STUDIES

The curriculum of the Master studies in Civil Engineering is formed in a manner to satisfy all set objectives. The structure of the study programme provides that the optional courses are presented with at least 30% ECTS credits.

At graduate academic studies – Master, students concretise problems in civil engineering based on the specific features of problems dealt with by each study group. Selecting optional courses, students satisfy their affinities having emerged during the undergraduate academic studies.

All courses are one-semester long and have an adequate number of ECTS credits, where one credit equals approximately 30 hours of students` activities.

Curriculum defines the description of each course with name, type, year and semester of studies, number of ECTS credits, teacher's name, course outcome with expected results, knowledge and competencies, prerequisites for course attendance, course content, recommended literature, lecturing methods, knowledge evaluation and other data.

Study programme is in accordance with European standards regarding enrolment conditions, study duration, transfer to another year, diploma acquisition and manner of studies.

A part of the curriculum at Civil Engineering is a professional practice lasting for 45 hours, realized in an adequate construction organizations and public institutions.

Students complete studies by elaborating a Master thesis comprising of a theoretical and methodological preparation necessary for deepened understanding of the field in which a Master thesis is elaborated, and the elaboration itself.

Before the defence of the thesis, the candidate passes theoretical and methodological fundamentals usually in front of a committee determined for the defence. The final grade of the Master thesis is based on the grade for the passed theoretical and methodological preparation and the grade for elaborating and defending the thesis. Final thesis is defended in front of the committee comprised of at least three teachers where at least one has to be from another department or faculty.



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MASTER ACADEMIC STUDIES

Course id: GG501 Concrete Construction for Engineering Structure Number of ECTS: 7 Teacher: Brujić S. Zoran Course status: Elective Number of active teaching classes (weekly) Elective Lectures: Practical classes: Other teaching types: Study research work: O 3 2 0 0 O Precondition courses None None I Educational goal: Enabling students for working on a project, for designing and maintaining concrete construction for engineering structure purposes. 2. Educational outcomes (acquired knowledge): Knowledge of structural systems and their properties with the aim of optimal application in designing concrete construction for engineering structure construction in designing concrete constru	res									
Number of ECTS: 7 Teacher: Brujić S. Zoran Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: 3 2 O 0 Precondition courses None 1. Educational goal: Enabling students for working on a project, for designing and maintaining concrete construction for engineering structure purposes. 2. Educational outcomes (acquired knowledge): Knowledge of structural systems and their properties with the aim of optimal application in designing concrete construct	Concrete Construction for Engineering Structures									
Teacher: Brujić S. Zoran Course status: Elective Number of active teaching classes (weekly) Other teaching types: Study research work: O Lectures: Practical classes: Other teaching types: Study research work: O 3 2 0 0 0 Precondition courses None Image: Course teaching types: Study research work: O 1. Educational goal: Enabling students for working on a project, for designing and maintaining concrete construction for engineering structure purposes. 2. Educational outcomes (acquired knowledge): Knowledge of structural systems and their properties with the aim of optimal application in designing concrete construction Course teaching concrete construction										
Course status: Elective Number of active teaching classes (weekly) Image: Course status: <										
Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: O 3 2 0 0 0 Precondition courses None Image: Construction for engineering structure 1. Educational goal: Enabling students for working on a project, for designing and maintaining concrete construction for engineering structure 2. Educational outcomes (acquired knowledge): Knowledge of structural systems and their properties with the aim of optimal application in designing concrete construction	Course status: Elective									
Lectures: Practical classes: Other teaching types: Study research work: O 3 2 0 0 0 Precondition courses None Image: Course of the second										
3 2 0 0 Precondition courses None 1. Educational goal: Image: Construction for working on a project, for designing and maintaining concrete construction for engineering structure purposes. 2. Educational outcomes (acquired knowledge): Knowledge of structural systems and their properties with the aim of optimal application in designing concrete construction)ther classes:									
Precondition courses None 1. Educational goal: Enabling students for working on a project, for designing and maintaining concrete construction for engineering structure purposes. 2. Educational outcomes (acquired knowledge): Knowledge of structural systems and their properties with the aim of optimal application in designing concrete construct	0									
 Educational goal: Enabling students for working on a project, for designing and maintaining concrete construction for engineering structur purposes. Educational outcomes (acquired knowledge): Knowledge of structural systems and their properties with the aim of optimal application in designing concrete construct 	Precondition courses None									
Enabling students for working on a project, for designing and maintaining concrete construction for engineering structure purposes. 2. Educational outcomes (acquired knowledge):	1. Educational goal:									
2. Educational outcomes (acquired knowledge): Knowledge of structural systems and their properties with the aim of optimal application in designing concrete construct	Enabling students for working on a project, for designing and maintaining concrete construction for engineering structures with diverse purposes.									
Knowledge of structural systems and their properties with the aim of optimal application in designing concrete construction										
engineering structures.	tions for diverse									
3. Course content/structure:										
Specificities in designing and constructing engineering structures. Classifications of engineering structures. Rectangular and circular reservoirs and water towers (purpose, classification, technological aspects, foundation, calculation, construction and detail modelling, workmanship). Pipes (purpose, classification, demands for functionality and durability, application in regional water supply and sewerage collectors, calculations, details and workmanship). Silos and bunkers (purpose, technological aspects, actions from warehouse materials, foundation, calculation, construction and detail modelling, workmanship). Air-conditioning towers (purpose, technological aspects, calculation, construction and detail modelling, foundation and workmanship). Power-line posts (classification, analysis, construction and foundation). Chimneys (purpose, types, analysis on wind and seismic actions, detail modelling, foundation and workmanship). Antenna and TV towers (purpose, functional demands, loads and actions, calculation, details, foundation and workmanship). Supporting walls and diaphragms (purpose, types, loads and actions, calculation, details, foundation and workmanship). Supporting walls and diaphragms (purpose, types, loads)										
4. Teaching methods:										
Rilowiedge evaluation (maximum too points)	adatan (Dainta									
Exercise attendance										
Lecture attendance Ves 0.00 Oral part of the exam	Yes 35.00									
Project Yes 30.00	103 00.00									
Literature	Project Yes 30.00									
Ord. Author Title Publisher										
1, Grupa autora Beton i armirani beton prema BAB 87 - 1 Priručnik Građevinska knjiga, Beog	Year									
2, Grupa autora Beton i armirani beton prema BAB 87 - 2 Prilozi Građevinska knjiga	Year 17ad 2002									
3, Tomičić Ivan Betonske konstrukcije Školska knjiga, Zagreb	Year grad 2002 2002									
4, Sahnovski K.V. Armiranobetonske konstrukcije Građevinska knjiga	Year grad 2002 2002 1996									
5, Franc G. Teorija betonskih konstrukcija Građevinska knjiga	Year grad 2002 2002 1996 1962									
6, Grupa autora EN 1990:2002 Evrokod 0 Osnove proračuna Građevinski fakultet	Year grad 2002 2002 1996 1962 1979									
7, Grupa autora EVROKOD 1 Osnove proračuna i dejstva na konstrukcije Grupa autora Građevinski fakultet	Year grad 2002 2002 1996 1962 1979 2006									
8, Grupa autora EVROKOD 2 Proračun betonskih konstrukcija Građevinski fakultet Univerziteta u Beogradu	Year grad 2002 2002 1996 1962 1979 2006 1997									
9, Grupa autora EVROKOD 8 Projektovanje seizmički otpornih Građevinski fakultet konstrukcija Univerziteta u Beogradu	Year grad 2002 2002 1996 1962 1979 2006 1997 1997 1997									



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Course:										
Course	id:	GM503		Man	ageme	ent in a Constru	ction Compa	ny		
Number	of ECTS:	5								
Teache	rs:		Malešević E	3. Erika, Perovi	ić I. Vesel	in				
Course	status:		Elective							
Number	of active teac	hing classe	es (weekly)							
L	ectures:	Practical	classes:	classes: Other teaching types: Study research work: Other classes:					isses:	
	2	2	2	0 0 0						
Precond	lition courses	•		None						
1. Educ	ational goal:									
Obtainir	ng knowledge	on contem	porary mann	ers for managi	ng constru	uction companies.				
2. Educ	ational outcom	nes (acquire	ed knowledg	e):						
Enablin	g students for	managing	performance	alterations in a	a construc	tion company.				
3. Cours	3. Course content/structure:									
Compa enterpr	ny as a dynai ise. Managing	mic syster g resource	n. Mission a s, finances,	nd vision of a market and p	an enterp processes	rise. Basic organization 6. Conflict management.	models. Growth an Change managem	d developm ent.	ent in an	
4. Teac	hing methods:									
Audio a	nd visual									
				Knowledge e	valuation	(maximum 100 points)				
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points	
Exercise	e attendance			Yes	5.00	Oral part of the exam		Yes	50.00	
Lecture	attendance			Yes	5.00					
Term pa	aper			Yes	40.00					
					Liter	ature				
Ord.	A	uthor			Title	•	Publishe	er	Year	
1,	Novaković V.		Ekor	iomika i organi	zacija gra	đevinarstva	Ekonomika, Beogra	d	1994	
2,	Adišes I.		Upra	vljanje promer	iama		Prometej,Novi Sad	20	1979	
3,	Wren A. D., i	Woih Jr.D	Mena	adžment – prod	ces,strukti	ura i ponašanje	Grmeč, Beograd	-0	1994	
4,	Drucker P. ar	nd others	Orga	nization of the	Future		Drucker Foundation	,New York	1997	



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MASTER ACADEMIC STUDIES

Course:									
Course	id:	GG504		Durability and Assessment of Concrete Structures					
Number	of ECTS:	7							
Teacher	'S:		Malešev I	M. Mirjana, Rado	njanin S.	Vlastimir			j
Course	status:		Elective						
Number	Number of active teaching classes (weekly)								
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	3	1	1 1 0 0						
Precondition courses None									
1. Educa	ational goal:								
Obtainir conditio	ng knowledge n of concrete	on basic a and prestr	spects of essed stru	the durability of actures.	concrete	structures, and methodo	logies and methods	for assessing) the real
2. Educa	ational outcom	es (acquire	ed knowled	dge):					
Acquire destruct occurre	Acquired knowledge is to be used in professional courses and engineering practice. Student is competent to utilize diverse non- destructive and destructive methods for investigating, registering and classifying defects and damages, determining causes of their occurrence and for assessing real condition of concrete and prestressed structures.								
3. Cours	se content/stru	cture:							
Durability of concrete structures: causes, failure mechanisms and forms of damages of concrete and reinforcement (physical and chemical corrosion), properties to obtain satisfactory durability, strategy for designing building structures from the aspect of demanded durability. Destructive and non-destructive investigation methods (equipment, procedures, application possibilities). Defects of reinforced concrete and prestressed concrete structures. Classification and damage appearances of reinforced concrete and prestressed concrete structures. Classification and damage appearances of reinforced concrete and prestressed concrete structure overload, non-uniform settlement and accidental actions (fire, earthquake, explosion, etc.). Methodologies for monitoring and assessing structure conditions. Technical regulative referring to control monitoring and providing durability of concrete structures. Examples of monitoring and assessment of characteristic structures.									
4. Teach	ning methods:								
Within lectures, students are delivered presentations with photographs, tables, diagrams, formulas and emphasised texts – definitions to provide explanations for the content determined by the syllabus. There are also short thematic films. At laboratory practice students can observe and individually perform diverse non-destructive material investigations. At auditory practice students are presented with diverse structures where assessment has been performed in order to be better acquainted with methodologies, data processing and conclusion manners. Students have an obligation to work in a group of 5 and find a structure, make an Elaborate – a project in assessment, and defend it. All students have an obligatory professional excursion (a factory for repair materials and interesting structures under repair). The examination has an oral part. During the semester, the oral examination can be taken as two partial examinations.									
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obligat	tions	Mandatory	Points	Final ex	am	Mandatory	Points
Comple	x exercises			Yes	10.00	Coloquium exam		No	20.00
Exercise	e attendance			Yes	5.00	Oral part of the exam		Yes	50.00
Project	attendance			Yes	5.00 30.00				
Појсог				fes	Liter	ature			
Ord	Δ	uthor			Title		Publish	er	Year
1.	G.S.T. Armei		Mc	onitoring and Ass	essment of	of Structures	SPON Press. Lond	on & NY	2001
2,	John H. Bung	gey, G. Mill	ard, Te	sting of Concrete	in Struct	ures	SPON Press, Lond	on	2006
3,	Mirjana Male Radonjanin	šev, Vlastir	nir Pra	aćenje, procena s jekata, Materijal s	stanja i od sa predav	Iržavanje građevinskih anja	predmetni nastavni	ci	2005



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MASTER ACADEMIC STUDIES

Table 5.2 Course specification

Course:									
Course	id:	GH503			Hydr	o Mechanical M	lachinery		
Number	of ECTS:	6							
Teache	r:		Uzelac N	I. Dušan					
Course	status:		Elective						
Number	of active tead	hing classe	es (weekly	()					
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:
	3	2	2	0		0		0	
Precond	lition courses	-		None		•			
1. Educ	ational goal:								
Selectio	n, work and m	naintenance	e of the ma	achinery utilized i	n hydroteo	chnics.			
2. Educational outcomes (acquired knowledge):									
Acquirir	ig knowledge i	for selecting	g, utilizing	and maintaining	hydro meo	chanical machinery.			
3. Course content/structure:									
Elements of hydro mechanical machinery. Pipes, tubes, pipe reinforcement, supports, support carriers, pipe compensators, vessels under pressure. Scheme for a pipe station, basic elements and devices and their distribution. Water pumps, suction pipeline, pressure pipeline. Overview of pipe stations. Technical characteristics. Calculations for water consumption, balancing consumption and production. Selection of pumps, pressure and flow regulation. Regulative related to pump stations. Pump stations for pressure increase									
4. Teac	hing methods:								
Lecture	s – auditory pr	actice – lat	oratory p	ractice – tutorials.					
				Knowledge e	valuation	(maximum 100 points)			
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Homew	ork			Yes	20.00	Written part of the exam	 tasks and theory 	Yes	35.00
Lecture	attendance			Yes	10.00	Oral part of the exam		Yes	35.00
					Liter	ature			
Ord.	A	wthor			Title		Publishe	er	Year
1,	B. Ristić		Hi	idromašinska opre	ema		Naučna knjiga		2001

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Course: Selected Chapters in Planning and Designing City Traffic Ro						Routes			
Course	id:	GP503	0010010				olgining olly	in anno i	.00.00
Number	of ECTS:	5							
Teacher	:		Radović M	. Nebojša					
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:
	2	2	2	0		0		0	
Precond	lition courses		-	None					
1. Educa	ational goal:			-					
Enabling	g students to a	icquire prof	fessional kn	owledge and ap	oplication	in practice.			
2. Educa	ational outcom	es (acquire	ed knowledg	je):					
Student	is competent	to utilize ac	quired know	vledge in the fie	eld of plan	ning and designing city tra	affic routes.		
3. Course content/structure:									
Introduc traffic ne principle Signaliz	tion – city and twork. Selecti as and techniq ation. Method	d traffic. Ci ion and din jues. Elem ology of pl	ty traffic sys nensioning o ents of seco anning and	stems. Program of cross sectior ondary network designing traff	med and profiles. traffic ro ic routes i	designed conditions. Des Design elements of situa utes: slowing traffic, park n cities.	signed elements of tr tion and levelling plac ing places. Equipme	affic routes i n. Crossroad nt in city trafi	n primary s. Design fic routes.
4. Teacl	ning methods:								
Lectures	s, practice, tuto	orials.							
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points
Exercise	e attendance			Yes	5.00	Coloquium exam		Yes	20.00
Graphic	paper			Yes	20.00	Coloquium exam		Yes	20.00
Lecture	attendance			Yes	5.00	Oral part of the exam		Yes	30.00
					Liter	ature			
Ord.	A	uthor			Title	9	Publishe	er	Year
1,	Maletin M.		Plar	niranje i projekto	ovanje sad	obraćajnica u gradovima	Orion art, Beograd		2006



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

Study Programme Accreditation



Civil Engineering

Table 5.2 Course specification

MASTER ACADEMIC STUDIES

Course:									
Course	id:	GH504				Water Qualit	ty .		
Number	of ECTS:	5							
Teache	r:		Dalmacija D). Božo					
Course	status:		Elective						
Number	of active teac	hing classe	s (weekly)						
L	ectures:	Practical	classes:	asses: Other teaching types: Study research work: Other classes:					asses:
	2	0	1 0 0						
Precond	dition courses	-		None		•			
1. Educ	ational goal:								
Enablin	g students fror	m fundamer	ntal fields for	obtaining prof	fessional k	knowledge and application	n in practice.		
2. Educ	ational outcom	nes (acquire	d knowledge	e):					
Acquire	d knowledge is	s utilized as	a basis for t	further improve	ement in p	professional courses.			
3. Cours	se content/stru	icture:							
Acquire	d knowledge i	s utilized as	a basis for t	further improve	ement in p	professional courses.			
4. Teac	hing methods:								
Teachir	ig is performe	d interactive	ely in the for	m of lectures,	auditory,	laboratory and computer	practice. At lectures	, theoretical	content is
present	ed with charac	cteristic exa	mples for ea	sier understar	nding of co	ourse content. In auditory	practice, characteris	tic tasks are	done and
laborato	bry equipment	. Apart from	lectures ar	nd practice, tut	orials are	also regular. A part of co	ourse content that co	onstitutes a lo	ogical unit
can be	taken as a p	artial exan	nination dur	ing the teach	ing proce	ess. Partial examination	s are taken in writte	en form and	as tests.
examina	ations and write	tten part of	the examina	ation (combine	d exercise	es and theory).	bolatory and compt	iter), success	s in partial
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points
Exercise	e attendance			Yes	5.00	Oral part of the exam		Yes	30.00
Graphic	paper			Yes	20.00	Practical part of the exan	n - tasks	Yes	40.00
Lecture	attendance			Yes	5.00				
					Liter	ature			
Ord.	A	Nuthor			Title	9	Publishe	er	Year
1,	Dalmacija B.		Kont	rola kvaliteta v	oda u okv	riru upravljanju kvalitetom	PMF- Institut za hei	miju, Novi	2000



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Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:												
Course	id:	GM502			Man	agement in Cor	struction					
Number	of ECTS:	5										
Teache	rs:		Malešević B.	Erika, Miloše	ević P. Mije	odrag, Perović I. Veselin						
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:			
	2	2	2	0		0		0				
Precond	lition courses			None								
1. Educ	ational goal:											
Obtainir	ng knowledge	on contem	porary method	ts of manage	ment in co	onstruction and construction	on companies.					
2. Educ	ational outcom	nes (acquire	ed knowledge):								
Enabling	Enabling students for managing a construction company.											
3. Course content/structure:												
Charact function compan works a	Characteristics of a contemporary construction firm. Organization and management of a contemporary construction firm. Management functions. Building process management. Resource management. Investment management. Price analysis and cost control. Construction company marketing management. Quality management – TQM. Reengineering in construction. Benchmarking application. Construction works abroad. Contract strategies and techniques											
4. Teac	hing methods:											
Audio a	nd visual.											
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Exercise	e attendance			Yes	5.00	Oral part of the exam		Yes	50.00			
Lecture	attendance			Yes	5.00							
Term pa	aper			Yes	40.00							
					Liter	ature						
Ord.	A	uthor			Title)	Publishe	er	Year			
1,	Novaković,V		Mena	džment savre	mene gra	đevinske firme	Centar za organiza menžmenta,Beogra	ciju i razvoj ad	1999			
2,	Novaković,V		Mena	džment u sav	remenom	građevinarstvu	«Izgradnja»,Beogra	ad	2003			
3,	lvković,B., Po	pović.Ž.	Uprav	ljanje projekti	ma u grad	fevinarstvu	Nauka,Beograd		1994			



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

Study Programme Accreditation



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 MASTER ACADEMIC STUDIES

 Table 5.2 Course specification

Course:					• •					
Course id:		GG502		Seismic Analysis of Structures						
Number of EC	TS:	7								
Teacher: Lađinović Ž. Đorđe										
Course status: Elective										
Number of acti	ive teac	hing classe	es (weekly)							
Lectures	s:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other classes:		
3		2	2	0		0		0	0	
Precondition c	ourses			None						
1. Educational	goal:									
Obtaining know	wledge r	necessary	for aseismi	c design of cons	truction st	ructures.				
2. Educational	outcom	es (acquire	ed knowled	ge):						
Enabling stude construction p	Enabling students to calculate the influences in a structure due to earthquake action and to design seismically resistant structures in construction practice.									
3. Course content/structure:										
General on ea earthquake reg damped mode resistant struc Designing acc engineering fa	arthqual gistratio el vibrat ctures: b cording f acilities.	kes: reasc n, intensity ions due t asic objec to contemp	ons of origi of seismic o dynamic tives and c porary regu	n and types of c action and seis foundation mov demands for sei ulative: design re	earthqual mic scale vement, r smic prot equireme	xes, seismic waves, cha s. Analysis of structure b esponse spectre method ection, design methodolo nts and criteria for building and criteria for building	racteristics of eartho ehaviour in earthqua ds, modal analysis. I ogy, measures for de ngs, bridges, suppor	quake soil m ke action: co Designing se creasing sei t structures a	ovement, nstrained sismically smic risk. and other	
4. Teaching m	ethods:									
Lectures, num course conten examination o	nerical a nt. Prere or a defe	nd graphic equisite for ended sem	c practice, t taking the ninar paper	tutorials. Practic e examination ai	e is perfo re positive	rmed in groups using the ely graded individual pap	e programme that co pers and the demand	mpletely follo led success	owing the at partial	
				Knowledge e	valuation	(maximum 100 points)				
Pre-e	examina	tion obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points	
Graphic paper				Yes	30.00	Written part of the exam	- tasks and theory	Yes	40.00	
Term paper				Yes	30.00					
					Liter	ature				
Ord.	A	uthor			Title		Publishe	er	Year	
1, Brčić	V.	for D Det	Din	amika konstruko	ija		Građevinska knjiga,	Beograd	1981	
2, B., Sa T <u>oma</u>	avitz-No a <u>ževi</u>	san A.,	Zer	mljotresno inženj	erstvo – v	risokogradnja	Građevinska knjiga,	Beograd	1990	
3, Petro	vić B.		Od	abrana poglavlja	iz zemljo	tresnog građevinarstva	Građevinska knjiga,	Beograd	1989	



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Study Programme Accreditation





MASTER ACADEMIC STUDIES

Course:											
Course	id:	GH505			Frame	work Directives	E3 (WDF)				
Number	of ECTS:	4									
Teache	rs:		Kolakovid	ć R. Srđan, Milutii	n N. Darko)					
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:		
	2	C)	0		0		0			
Precond	lition courses			None		•	•				
1. Educ	ational goal:			*							
Enablin	g students fror	n fundame	ntal fields	to obtain professi	onal knov	ledge and application in	practice.				
2. Educ	2. Educational outcomes (acquired knowledge):										
Acquire	d knowledge is	s directly a	oplicable i	n engineering pra	ctice.						
3. Cours	se content/stru	cture:									
Introdu directiv	ction to the W es to which th	/ater Fram ne Water F	ework Dii Framewor	rective which is k Directive is ref	a key doo ferring in	cument for environmenta the field of water protect	al protection. Introdu tion (14 directives).	uction to the	group of		
4. Teac	hing methods:										
Teachir teachin	ig is performe g process in p	d interactiv artial exan	vely in the nination.	e form of lectures	. A part c	f the course content mal	king a logical unit ca	n be taken o	luring the		
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Exercise	e attendance		Yes 5.00 Theoretical part of the exam Yes 70.00								
Lecture	attendance	ance Yes 5.00									
Term pa	aper			Yes	20.00						
					Liter	ature					
Ord.	A	uthor			Title		Publishe	er	Year		
1,	Biljana Ljujić,	Ljiljana Su	unać Di	rektive EU o voda	ama		Udruženje za tehno sanitarno inženjerst	logiju vode i vo	2005		



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Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:													
Course	id:	GP501			Irat	fic Network Man	agement						
Number	of ECTS:	6											
Teache	-		Radović M	l. Nebojša									
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:				
	2	2	2	0		0		0					
Precond	lition courses												
1. Educ	ational goal:												
Enablin	g students to c	btain profe	essional kno	wledge and app	olication ir	n practice.							
2. Educ	ational outcom	ies (acquire	ed knowled	ge):									
Student	s are compete	nt to utilize	the obtaine	ed knowledge in	professio	nal work.							
3. Cours	3. Course content/structure:												
Introduc course ' Data us a mana conditio Mainter	ction, tasks ar 'Structure Mar ed: traffic netv gement syster n with a spec ance and effe	d objective nagement v vork, vehic m – databa ial emphas ects, altern	es of the sy with the App les, road wo ase on road sis on dama ative mainte	vstem for road r plication of Infor ork, traffic load, ls, bridges and ages and their o enance strategi	managem mation Sy ambient o traffic, me levelopme es. World	ent, basic hypotheses. S ystems" (7th semester). S conditions, economic inde ethods and devices for da ent. Forecast models for Bank model HDM-4 for	hort recapitulation o System structure, fun exes, etc. Information ata acquisition. Defin predicting pavemen developing and man	f the content ctions, analy systems as ing the traffic t alteration c aging traffic	from the sis levels. a basis of c network onditions. networks.				
4. Teac	ning methods:												
Lecture	s, auditory and	l computer	practice.										
				Knowledge e	valuation	(maximum 100 points)							
	Pre-examina	ition obliga	tions	Mandatory	Points	Final e>	kam	Mandatory	Points				
Comput	er excersise d	efence		Yes	20.00	Coloquium exam		Yes	20.00				
Comput	er exercise att	endance		Yes	5.00	Coloquium exam		Yes	20.00				
Lecture	attendance			Yes	5.00	Oral part of the exam		Yes	30.00				
					Liter	ature							
Ord.	A	uthor			Title)	Publishe	er	Year				
1,	World Bank/F	PIARC	HDM 4, - Manual World Bank/PIARC 200						2002				
2,	Uzelac Đ.		Baz okvi mre	e podataka o po iru integrisanog ži"	utevima, r informaci	nostovima i saobraćaju u onog sistema o putnoj	Savez građevinskih tehničara Jugoslavi	inženjera i je, Beogra	1998				
3,	Radojković Z	•	Sist	emi upravljanja	kolovozin	าล	Građevinska kniga		1998				
4,	Uzelac Đ.		Mat forn	erijali sa predav natu	vanja i vež	bi, pretežno u PDF			2007				



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Study Programme Accreditation

Civil Engineering

Course	:											
Course	id:	GP502				Bridge Manage	ment					
Number	of ECTS:	4										
Teache	rs:		Malešev M.	Mirjana, Rado	onjanin S.	Vlastimir, Uzelac D. Đorđ	e					
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:			
	2	,	1	0		C)	0				
Precon	dition courses											
1. Educ	ational goal:											
Enablin	g students to c	btain profe	essional know	ledge and app	plication ir	practice.						
2. Educ	ational outcom	nes (acquire	ed knowledge):								
Acquire project	d knowledge o management)	on bridge r	nanagement	and bridge m	aintenanc	e (monitoring, planning,	programme elaborati	on, project d	efinitions,			
3. Cours	3. Course content/structure:											
Introduo Analysis bridges forecas	ction, topic an s on the bridge , methods and t models for pr	d objective e manager devices fo redicting th	es of the brid nent process or data acquis e condition ch	ge managem and data use ition. Defining nanges. Main	ient syste d. Informa g the bridg tenance w	m, basic hypotheses. Sy ation systems as a basis je conditions with the em vorks and their effects, al	ystem structure, func for a management sy phasis on damages a ternative maintenanc	ctions, analys ystem – data and their dev e strategies.	sis levels. bases on elopment;			
4. Teac	hing methods:											
Lecture	s, practice, tute	orials.										
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	tion obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points			
Exercis	e attendance			Yes	5.00	Coloquium exam		No	20.00			
Lecture	attendance			Yes	5.00	Oral part of the exam		Yes	70.00			
Term pa	aper			Yes	20.00							
					Liter	ature						
Ord.	A	uthor	Title Publisher Y					Year				
1,	Đ.Uzelac, V. M.Malešev	Radonjani	^{n,} Mater	ijal sa predav	vanja				2007			
2,	Uzelac Đ.		Baze okviru mreži	podataka o p integrisanog	utevima, r informaci	nostovima i saobraćaju u onog sistema o putnoj	Savez građevinskih tehničara Jugoslavi	inženjera i je, Beogra	1998			
3,	Milan Gojkov	ić	Stari I sanad	kameni mosto ija, konzerva	ovi, anaton cija	nija, patologija, zaštita,	Naučna knjiga, Beo	grad	1989			



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

Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:									
Course	id:	GH508	L	andfill des	ing ar	nd municipal was	ste treatmant	system	S
Number	of ECTS:	5							
Teache	rs:		Kosec L. E	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	isses:
	2	2	2	0		0		0	
Precond	dition courses	-		None		•			
1. Educ	ational goal:								
Training	students in fu	Indamental	areas for t	he acquisition of	f professio	onal knowledge and practi	cal application.		
2. Educ	ational outcom	nes (acquire	ed knowled	ge):					
The kno	The knowledge acquired is used as the basis for further development in specialized subjects.								
3. Course content/structure:									
Specific the lanc the lanc treatme digestic	s of waste ma Ifill, the mathen Ifill closure land Int of landfill g on, combustion	anagement matical mo ndfill. Colle as, constru n of waste.	in develop dels of eva ection and uction of g MFA as a	ing countries ar luation factors for treatment otpac as combustion tool for determ	nd the situ or the sele dih water. deonijsko nining the	ation of waste managem ection of a landfill site. De Biochemical processes g. Advanced systems fo flow of raw materials fro	ent in the world. The sign of the bottom ce of formation of land r waste treatment, co m waste.	e choice of lo ell landfill ope fill gas colle omposting, a	cation for rations at ction and inaerobic
4. Teac	hing methods:								
Classes material tasks ar Part of account success	s are performe l accompanied nd detailed stu- the material, v t and through s of tests and	d in the for by charact dy of study which make written tes written exa	rm of intera teristic exal material. li es a logica st. Exam se am (combi	active lectures, a mples for easy u n addition to lect I unit, can be ta core is based o ned tasks and t	auditory a inderstand cures and aken durin n: the pre theory).	nd computer exercises. I ding of the study material. exercises consultations a lig the teaching process f esence of the lectures ar	Lectures present the Auditory exercises c re regularly performe through tests. Each t nd exercises (auditor	theoretical p onsist of char d. test can be t ry and comp	art of the racteristic aken into uter), the
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Exercise	e attendance			Yes	5.00	Written part of the exam	 tasks and theory 	Yes	70.00
Lecture	attendance			Yes	5.00				
Test				Yes	10.00				
rest				Yes	10.00				
<u> </u>	-				Liter	ature	.		
Ord.		uthor	vin		Title	;	Publishe	er	Year
1,	Nemanja Sta Bojan Batinić	nisavljević,	Up	ravljanje otpador	m u zemlja	ama u razvoju	Fakultet tehničkih n	auka	2012



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Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:													
Course	id:	GM501		Sy	vstem	Theory and Sy	stem Analysis	i					
Number	of ECTS:	5											
Teache	rs:		Dražić J. Ja	ismina, Trivuni	ć R. Milan	I							
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	asses:				
	2	2	2	0			0	0					
Precond	dition courses			None									
1. Educ	ational goal:												
Enabling in the o	g students for peration resea	a system a irch method	approach and ds and struct	d application o ture building p	f the syster rocess mo	em theory on the proces odelling methods.	s of structure building	. Obtaining ki	nowledge				
2. Educ	2. Educational outcomes (acquired knowledge):												
Enablin and buil	g students for Iding organiza	systematic tion and the	analysis an e realization	d defining the of the same. I	building p Enabling s	process structure within students for analysis an	the elaboration of the dasic modelling of c	projects in te onstruction p	chnology rocesses.				
3. Cours	se content/stru	icture:											
Historic acknow behavio linear p	al developmen ledgement me ur. System en rogramming. N	nt of the sy ethod. Sys tropy. Prot /lulti-criteria	vstem theory tem classific olems, mean a optimizatio	v and its esser cation. System s and methods n. Fundamenta	nce. The r a analysis s of opera als in deci	ole of system theory in and synthesis. Systen tion researches. Proces sion making theory (de	science and practice organization and dis is modelling in constru- cision making element	System the organization iction. Linear s and criteria	ory as an . System and non-).				
4. Teachir problem encircle examina practice	ning methods: ng is performe as related to co es the entire c ation can be to e attendance,	d in lecture ertain meth ourse cont aken as tw practice we	es in the form od units are tent from the ro partial exa ork, partial e	m of presentat solved. At pra e semester, an aminations dur examinations a	tions of in actice stuc nd it is ta ring the te and the ex	dividual method units a lents solve problems wi ken in the written form eaching process. Final kamination.	and auditory practice v th the help of an assis (exercises and theor grade is formed on th	where certair tant. The exa y). Written p e basis of lea	n types of amination art of the cture and				
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examina	tion obligation	tions	Mandatory	Points	Final	exam	Mandatory	Points				
Exercise	e attendance			Yes	5.00	Written part of the exan	n - tasks and theory	Yes	70.00				
Graphic	attendance			Yes	20.00	Coloquium exam		No	35.00				
Lecture	allendance			res	J.00	ature			35.00				
Ord	Α	uthor			Title		Publishe	-r	Year				
1,	Petrović B.		SIST	EMSKI PRILA	Z I SISTE	MSKI POSTUPCI U	Fakultet tehničkih n Institut za industrijs	auka, ke sisteme.	1995				
2,	Zelenović D.		OSN	OSNOVE TEORIJE INDUSTRIJSKIH SISTEMA Fakultet tehničkih nauka, Institut za industrijske sisteme 1989									
3,	Flašar A., Vu P.	ković S., B	rana Prou	čavanje tehnol	oških pro	cesa u građevinarstvu	FTN IIG, Posebno i	zdanje 8	1985				
4,	Novaković V.		Kvar	titativni metod	i u građev	inskom menadžmentu	Izgradnja, Beograd		2002				
5,	Praščević Ž.		Oper deter	aciona istraživ rminističke met	anja u gra ode	adevinarstvu –	GF Beograd		1992				
6,	Opricović S.		Višel	kriterijumska o	ptimizacija	3	Naučna knjiga, Bec	grad	1986				
7,	Trivunić M.		Mate	Materijali sa predavanja 2007									



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Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:											
Course	id:	GM510		Ma	anager	nent of Internat	ional Projects	5			
Number	of ECTS:	5									
Teachei	-		Cekić D. Z	Zoran							
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)	1							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:		
	2	2	2	0		0		0			
Precond	lition courses			None							
1. Educa	ational goal:										
To unde manage	erstand in the ement procedu	context o ures impor	f projects tant for su	and project-driv uccessful biddin	en enterp g and ma	rises in construction: p nagement of internatior	rocurement, project nal construction proj	financing an jects	d project		
2. Educ	ational outcom	es (acquire	ed knowled	lge):							
After tal tradition importal corpora internat	king this modu al contract forr nt for successf te strategy in ional markets	le the stud ms applied ful bidding internation	lent should at internat strategy. nal constru	d be able to und ional projects. M Project manager uction: project p	erstand: F larket strue ment proc portfolio, c	Procurement routes, tend cture and sources of com esses and procedures ap rganizational structures	ering procedures, an petitive advantages oplied at internationa and diversification	nd traditional at internationa I projects. Ele strategies at	and non- al tenders ements of different		
3. Course content/structure:											
Internat Compet Financir project.	International construction companies and its business environment. International market of construction products and services. Competitive advantages at international market. International bidding strategy. International tendering and procurement procedures. Financing of international projects. Public-private partnerships and concessions. FIDIC standard contract forms. Strategy of international project. International project organisational structure. Virtual project team. International project management procedures. Human										
4. Teacl	ning methods:		minunica			ting and value. Negotia		iai arbitrage.			
Hibrid m project a simulation have to construct and pra Submitt reviews	nodel of teachin and problem b ons of internat critically appra- tion project. T ctices for ma ed and review of case studio	ng: lectures ased learn ional project ise the pro hey have the naging an ved case st es, and res	s and lectu ing. Other ct, as well ocurement/ to suggest d optimisi tudy pape sults of fin	re-demonstration teching and lear as role play with (contract type, or appropriate stra ng projects in p rs are a requirer al written te	ns, with ex rning meth different s granisatio ategies, to project-bas ments for	tensive class disscusion nods applied during the c stakeholders roles. Stud- nal structure and project ols, techniques, procurer sed construction organi taking the exam. Asses	s about important top course are debates, p ents are preparing a management proces nent routes, project i sations in different sment is based on a	bics, are comb boanel disscus case study wil sses of an inte mangement p international attendance of	vined with ions, and here they ernational rocesses markets. lectures,		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	tion obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Exercise	e attendance			Yes	5.00	Theoretical part of the ex	am	Yes	30.00		
Lecture	attendance			Yes	5.00						
Term pa	iper			Yes	60.00						
					Litera	ature					
Ord.	A	uthor			Title		Publishe	er	Year		
1,	Zoran Cekić	NIA Žalika	Internacionalno građevinarstvo Građevinska knjiga 2006					2006			
2,	Popović	очіс, деіјко	KO Upravljanje projektima u građevinarstvu Građevinska knjiga 2006				2006				
3,	Cleland, Davi Lewis R.	id I.; Ireland	Ind, Project Management: Strategic Design and Implementation McGraw-Hill 2002					2002			
4,	Association for Management	or Project	APM Book of Knowledge, 6th edition Association for Project 2012								
5,	Project Mana	gement ins	stitute PN	II Book of Knowl	edge, 4th	edition	Project Manageme	nt institute	2008		
6,	Mawhinney, I	M.	Inte	ernational constr	uction		Blackwell Science		2001		



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

ST NON

Civil Engineering

Study Programme Accreditation

Course	:									
Course	id:	GP504				Tunnels				
Number	r of ECTS:	5								
Teache	rs:		Đogo B. Mit	ar, Vasić V. M	ilinko					
Course	status:		Elective							
Number	r of active tead	ching classe	es (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:	
	2	2	2	0		0		0		
Precond	dition courses			None						
1. Educ	ational goal:									
Enablin	g students for	obtaining p	rofessional k	nowledge and	applicatio	on in practice.				
2. Educ	ational outcon	nes (acquire	ed knowledge	e):						
Acquire	cquired knowledge is used in engineering practice.									
3. Cour	3. Course content/structure:									
Genera and the undergi tunnel f model, contem in the p drainag	I on tunnels. F categorizati ound structur ormworks for calculation mo porary tunnel hase of build le, anchoring)	rimary pre- on of the e es. Charac railroad an odel). Calcu building me ling and ex o. Protectio	ssure in the t excavation for teristics of the d road tunne ulations and of thods. Tunne ploitation of n of undergr	errain and pre or tunnels. Ba le tunnel route Is). Calculatio dimensioning el building tech underground ound structur	ssure con asic cons (axis and ns for und of primary nology. Ir structure es from v	Idition in the tunnel zone. truction and technical e d levelling), cross section derground structures (eng v and secondary coating filuence of underground e s. Basic procedures of g vater and moisture.	Geotechnical classi elements for design n profile elements (fi gineering and geolog for underground stru excavations on the e geotechnical terrain	fication of roc ing tunnels a ree profile, lig gy model, geo ictures. Tradii nvironment. M melioration	k masses and other ht profile, otechnical cional and <i>A</i> easuring (injecting,	
4. Teac	hing methods:									
Lecture	s and auditory	practice.								
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points	
Exercis	e attendance			Yes	5.00	Written part of the exam	 tasks and theory 	Yes	30.00	
Graphic	paper		Yes 20.00 Oral part of the exam Yes 40.00							
Lecture	re attendance Yes 5.00									
					Liter	ature				
Ord.	A	Author	Geotehničko klasifikovanje stenskih masa za					Year		
1,	Vasić M.		podze	emne objekte	NUVAIIJE SI	LEHISMIII IIIABA ZA	FTN		2007	
2,	Jovanović P.		Izrad	Izrada podzemnih prostorija velikog profila GK Beograd 1984						
3,	Popović B.		Tune	Tuneli GK Beograd 1990						



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

Study Programme Accreditation



Civil Engineering

Table 5.2 Course specification

MASTER ACADEMIC STUDIES

Course				Concrete Bridges										
Course	id:	GG505 -				Concrete Drid	yes							
Number	r of ECTS:	5												
Teache	rs:		Brujić S. Z	oran, Folič J. Ra	adomir									
Course	status:		Elective											
Number	r of active teach	hing classe	es (weekly)											
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:					
	2	2	2	0		()	0						
Precond	dition courses		-	None		-								
1. Educ	ational goal:													
Enablin	g students for t	he work in	designing,	constructing an	d maintair	ning concrete culverts an	d bridges.							
2. Educ	ational outcom	es (acquire	ed knowled	ge):										
Knowle mainter	dge on the sys nance and mar	stem of des nagement.	signing culv	verts and bridge	es and the	ir properties in order to	be optimally applied i	in the design	, building,					
3. Cour	se content/stru	cture:												
Principli bridges paveme element for beau Calcula (pavem Bridge b and con elemen bridges	Principles of bridge design. Selection of a route and position of a bridge. Base shape and bridge levelling. Classifications and divisions of ridges (pedestrian, road, railway, for mixes traffic, viaduct, aqueduct). Traffic loads and actions on bridges. Shapes and elements of avement structure and cross sections of certain bridge types. Span structures and their properties, upper and lower parts and bridge lements. Plate and pipe culverts (loads, calculations and details). Plate bridges (loads, calculations and details). Calculation and design or beam road and railway bridges (simple beams, cantilever supports, continual supports, grid and frame structures, truss supports). Calculation and design of arch bridges (pavement structure, arches, hanging trusses, piers, rods). Suspension bridges, viaducts and aqueducts. bridge bearings (concrete, steel, neoprene). Outer and inner bridge piers (pier shape, foundations, calculations, workmanship). Traditional nd contemporary procedures in building beam and arch bridges (application of frameworks and formworks, application of precast lements, trusses, structure transportation, cantilever building procedures, etc.). Integral bridges. Maintenance and management of ridges and culverts.													
4. Teac Lecture	hing methods: s. Auditory, nu and/or semina	merical/co ar paper.	mputing ar	nd computer pra	ctice. Tute	orials. Tests. Partial exa	minations. Defence o	f numerical/c	computing					
		·		Knowledge e	valuation	(maximum 100 points)								
	Pre-examina	tion obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points					
Project				Yes	30.00	Theoretical part of the ex	kam	Yes	35.00					
						Practical part of the examination of the examinatio	n - tasks	Yes	35.00					
					Liter	ature		1	1					
Ord.	А	uthor			Title		Publishe	er	Year					
1,	Trojanović M.		Bet	onski mostovi I			Građevinska knjiga	, Beograd	1965					
2,	Trojanović M.		Bet	onski mostovi II			Građevinska knjiga	, Beograd	1965					
3,	Trojanović M.		Bet	onski mostovi II			Građevinska knjiga	, Beograd	1972					
4,	Tonković Kru	no	Mo	stovi			Školska knjiga, Zag	jreb	1971					
5,	Radić Jure		Mostovi Školska knjiga, Zagreb 2002											
6,	Folić Radomi	r	Bet	onske konstruko	cije II - Skr	ipta	Fakultet tehničkih n Sad	auka, Novi	2005					
7,	Grupa autora		EN kon	1990:2002 Evro strukcija	okod 0 Osi	nove proračuna	Građevinski fakulte Univerziteta u Beog	t gradu	2006					
8,	Grupa autora		EVI Bet	ROKOD 2 Prora onski mostovi	čun beton	skih konstrukcija Deo 2:	Građevinski fakulte Univerziteta u Beoc	t gradu	1997					
9,	Grupa autora		EVI kon	ROKOD 1 Osno strukcije	ve prorači	una i dejstva na	Građevinski fakulte Univerziteta u Beoc	t gradu	1997					
10,	Grupa autora		EVI	ROKOD 8 Proje strukcija Deo 2	ktovanje s : Mostovi	eizmički otpornih	Građevinski fakulte Univerziteta u Beoc	t pradu	1998					
•				<u></u>										



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UNIVERSITY OF NOVI SAD

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

State State

Civil Engineering

Study Programme Accreditation

Course:											
Course	id:	GG503				Metal Bridge	es				
Number	of ECTS:	5									
Teache			Kisin S. Srđ	lan							
Course	status:		Elective								
Number	of active teac	hing classe	s (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
	2	2		0		0		0			
Precond	lition courses			None							
1. Educ	ational goal:										
Obtainir	ng knowledge i	in the field o	of steel bridg	e construction							
2. Educ	ational outcom	nes (acquire	ed knowledge	l knowledge):							
Enablin	g students to a	analyse, cal	culate, dime	nsion and cons	structively	model metal bridges.					
3. Cours	se content/stru	icture:									
Disposi design types al piped. lighteni	tion and const elements. Brid nd their calcul remporary as ng.	tructive mo lge load. C ations. Cor sembled st	delling of br alculations a npressed ar teel and alu	ridges. Railroa and construction of orthotropic minium bridge	d bridges ve modell pavement es. Install	 elements of dispositions ing of longitudinal and transitions t slabs. Contemporary bration roofs. Bridge misconstructions 	on and free profiles. ansverse girders and idge systems – com ellaneous – anchors	Road bridge d stiffeners. F plex, compre s, dilatations	s – basic Pavement ssed and , railings,		
4. Teac	ning methods:										
Lecture	s. Auditory and	d graphic pr	actice. Tutor	rials.							
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	tion obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Exercise	e attendance			Yes	5.00	Written part of the exam	 tasks and theory 	Yes	40.00		
Graphic	paper		Yes 20.00 Coloquium exam Yes 10.00						10.00		
Lecture	attendance			Yes	5.00	Oral part of the exam		Yes	20.00		
			Literature								
Ord.	A	uthor			Title	9	Publishe	er	Year		
1,	Stipanić B., E	Buđevac D.	Čelič	Čelični mostovi Građevinska knjiga, Beograd 1989							



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

Study Programme Accreditation



THE REAL PROPERTY OF

 MASTER ACADEMIC STUDIES

 Table 5.2 Course specification

Course:				Undrotachaical Structuroa								
Course	id:	GH402			Hy	drotechnical Str	uctures					
Number	of ECTS:	6										
Teache			Đurić V. D	Juško								
Course	status:		Elective									
Number	of active teac	hing classe	es (weekly)	I								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
	3	2	2	0		0		0				
Precond	lition courses			None		•						
1. Educ	ational goal:			-								
Enabling	g students from	n fundamei	ntal fields t	o acquire profes	sional kno	wledge and application ir	practice.					
2. Educ	ational outcom	es (acquire	ed knowled	lge):								
Acquire	d knowledge is	s directly ap	oplied in pr	actice, as well as	s in under	standing and upgrading k	nowledge in other pr	ofessional co	urses.			
3. Cours	. Course content/structure:											
Program structure in such structure etc), as structure	nme includes es. Special atte structures, bu es, and combi well as poss es will also b	classificati ention is at ilding mate ning eleme ible conse e analysee	on and pro tributed to erials, seise ents are sp equences o d.	operties of hydro the analysis of f mic influences, s ecially analysed on the failure of	otechnical oundation static and (dam boo such str	l structures, action of wa (hydrological, hydraulic, dynamic influences. On dy, overflow, foundation o uctures. The conditions	ter onto structures, geological and the li e chapter also incluo putflow, pumping sta and problems in bu	building and ke) for desigr les the desig tion, culvert, uilding hydro	failure of ning loads n of such pipelines, technical			
4. Teac	ning methods:											
Teachin with cha content logical u Examina and writ	g is performed aracteristic exa is presented ir unit can be take ation grade is f ten part of the	d interactiv amples for n more deta en as a par formed on t examinatio	ely in the f easier und ails. Apart f rtial examir the basis o on (combin	form of lectures, derstanding of co from lectures and nation during the f: attendance at ed exercises and	auditory a ourse con d practice teaching lectures a d theory).	and computer practice. A tent. In auditory practice tutorials are also regular process. Partial examina nd practice (auditory and	t lectures, theoretica , characteristic tasks . A part of course co tions are taken in wr computer), success	al content is p s are done an ntent that cor itten form and in partial exa	oresented nd course nstitutes a d as tests. minations			
				Knowledge e	valuation	(maximum 100 points)		_				
	Pre-examination obligations Mandatory Points Final exam Mandatory Points											
Exercise	e attendance			Yes	5.00	Oral part of the exam		Yes	30.00			
Graphic	paper			Yes	20.00	Practical part of the exan	n - tasks	Yes	40.00			
Lecture	attendance			Yes	5.00							
					Liter	ature						
Ord.	rd. Author Title Publisher Year											
1,	Petrović P.		Hid	Irotehničke kons	trukcije		Građevinski fakulte	t, Beograd	1997			



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

Study Programme Accreditation **Civil Engineering**



MASTER ACADEMIC STUDIES

Course											
Course	id:	GH501				Hydraulics 2	2				
Number	of ECTS:	6									
Teache	r:		Stipić S. M	/latija							
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	isses:		
	3		1	1		0		0			
Precon	dition courses	-		None		•	•				
1. Educ	ational goal:										
Enablin	g students fror	n fundame	ntal fields to	o obtain professi	onal know	ledge and application in	practice.				
2. Educ	ational outcom	nes (acquire	ed knowled	ge):							
Acquire	d knowledge is	s used as a	a basis for f	urther improvem	ent in prot	fessional courses.					
3. Cours	3. Course content/structure:										
Flow be radius of experim wells. S (constru	eneath structur of action of a v pental and exp selection of pro uction well). P	res, grid. H well. Influe loitation pu operties fo roblems in	lydraulic in nce of bou mping. Pro r filter cove constructio	stability of porou indaries and cor iblems in design ers and filter ope on in undergrou	is environ nditions at and explo enings. Lo nd water.	ment. Inconstant flow to t boundaries on the effe- bitation of wells. Situation owering the level of under	wards an isolated we cts of water pumping s and processing cor erground water for co	ell. Specific a g. Data proce nditioning less onstruction p	ction and essing for s feasible rocesses		
4. Teac	hing methods:										
Teachir present course constitu and as examina	ng is performed ed with charac content is pre tes a logical u tests. Examina ations and writ	d interactiv cteristic exa sented in i nit can be f ation grade ten part of	rely in the for amples for e more detail taken as a is formed o the examin	orm of lectures, easier understan ls. Apart from le partial examinati on the basis of: a lation (combined	auditory, iding of co ctures an on during attendance exercises	laboratory and computer purse content. In auditory d practice, tutorials are the teaching process. Pa e at lectures and practice s and theory).	practice. At lectures practice, characteris also regular. A part of artial examinations ar (auditory and compu	, theoretical o tic tasks are of course con e taken in wr iter), success	content is done and ntent that itten form in partial		
				Knowledge e	valuation	(maximum 100 points)		-			
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Exercis	e attendance			Yes	5.00	Oral part of the exam		Yes	30.00		
Graphic	paper		Yes 20.00 Practical part of the exam - tasks Yes					40.00			
Lecture	attendance		Yes 5.00								
	-		Literature					X			
Ord.	A	utnor	Ittle Publisher Yea					Year			
1,	Vuković M., S	Soro A.	Dinamika podzemnih voda "Jaroslav Černi", Beograd 1984								
2,	Vuković M., S	Soro A.	Fitr	acione deformac	cije i stabil	nost tla	Institut za vodoprivr "Jaroslav Černi", Be	edu eograd	1986		



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

Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:	:										
Course	id:	GG520		l	ndustr	ial Methods in C	Construction				
Number	of ECTS:	5									
Teache	rs:		Dražić J. Ja	smina, Trivuni	ć R. Milan						
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:		
	2	2	2	0		0		0			
Precond	dition courses			None		•	•				
1. Educ	ational goal:										
Obtainir	ng knowledge	on the app	lication of ind	ustrial method	ls in const	ruction.					
2. Educ	ational outcom	nes (acquire	ed knowledge	e):							
Enablin process	g students to of building as	elaborate : sembly stru	studies on th uctures (build	e possibilities lings, halls, bri	of applyind of applyind of applyind of applyind of a second contract on second contract on second contract on second contract on second	ng industrial methods in quired knowledge can dir	civil engineering, as ectly be applied in the	well as desi e engineering	gning the practice.		
3. Cours	3. Course content/structure:										
Fundan industria and brid	nentals in bui alization). Preo Iges. Designin	ilding indu cast metho ig the proc	strialization ds and qualit ess for prepa	(factors, buil y control in in uring assembly	lding met dustrial pr / structure	hods and conditions fo oduction. Methods and to s (organization and plan	r the introduction a echnologies for asse ning). Managing the	nd the appli mbling halls, assembly wo	cation of buildings irk flow.		
4. Teac	hing methods:										
Teachir during o guidanc The exa grade is	ng is performed classes in cor ce at the begin amination enci s formed on th	d in lecture isultation v ning of pra rcles the e e basis of	s in the form with the assi actice classes entire course lecture and p	of presentatic stant, based s). Completed content from practice attend	ons of indiv on the ob and posit the semes dance, gra	vidual method units and g tained information (lectu ively graded papers are e ster, and it is taken in the uphic paper grades and y	graphic papers that s ures, literature, cons evaluated (given cert e written form (exerci vritten examination.	tudents do in ultations and tain number o ses and theo	dividually d general of points). ory). Final		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Exercise	e attendance			Yes	5.00	Written part of the exam	- tasks and theory	Yes	50.00		
Graphic	paper			Yes	20.00						
Graphic	paper			Yes	20.00						
Leclure	allenuarice			Yes	J.00	aturo					
Ord	Δ	uthor			Titlo		Publishe	ar	Voar		
1	Trivunić M	Dražić J	Mont	aža betonskih	konstruko	iia zorada	FTN Novi Sad i AG	n M kniiga	2005		
2,	Krastavčević	M.	Prime	ena montažno	g građenja	građenja - javni i industrijski Izgradnja, Beograd 1996					
3,	Grupa autora	1	Mont	ažni građevins	ski objekti	objekti Ekonomika, Beograd 1983					
4,	Grupa autora	1	Građ	evinski kalend	ar		Savez građevinskih tehničara Jugoslavi	inženjera i ja	1979		
5,	Grupa autora	1	Građ	Građevinski kalendar Savez građevinski inženjera i tehničara Jugoslavija 1980							



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

Study Programme Accreditation C STUDIES Civil Engineering



Table 5.2 Course specification

MASTER ACADEMIC STUDIES

Course:											
Course	id:	GG519	Building Management								
Number	of ECTS:	5									
Teache	r:		Ćirović S.	Źirović S. Goran							
Course status: Elective											
Number of active teaching classes (weekly)											
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other classes:			
	2		1	1		0) 0				
Precondition courses None											
1. Educ	ational goal:										
Enablin	g students to n	nanage pro	ojects in civ	/il engineering.							
2. Educ	ational outcom	ies (acquire	ed knowled	dge):							
Ability t analysii	o manage tim ng and evalua	e and reso ting projec	ources, ma ct realizatio	anage supplying on. Acquired kno	and com owledge i	munications, manage qı s directly applied in eng	uality, manage risk, a ineering practice.	as well as m	onitoring,		
3. Cours	se content/stru	cture:									
Notion of a project (system, elements and connections in a project, aims, connections to the surroundings). Activities during project realization (investors, designers, constructors, consultants, etc.). Project planning (investments): process (project) modelling, resources and costs planning, variation solutions for the plan and the selection of an optimal one. Managing time and resources, managing supplying and communications for the demands of the project, managing project quality, managing project risks. Monitoring, analysing and evaluation of project realization.											
4. Teaching methods: Teaching is performed in lectures in the form of presentations of individual methodical units and computer practice done individually by students with the consultations with the teaching assistants. At practice classes, based on the obtained information (in lectures, literature, consultation and general instructions at the beginning of practice classes), students solve the set tasks n a computer laboratory. Completed and positively graded computer practice present a prerequisite for taking the examination. Examination covers the entire course content presented during the semester, and it is taken in written form (tasks and theory). Written part of the examination can also be taken in 2 modules during the teaching process. Examination grade comprises lecture and practice attendance, computer practice, written and oral part of the examination.											
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ition obliga	tions	Mandatory	Points	Final e	Final exam		Points		
Comput	er exercise att	endance		Yes	25.00	Written part of the exam	/ritten part of the exam - tasks and theory Yes				
Lecture	attendance			Yes	5.00						
Literature											
Ord.	A	uthor	<u> </u>		Title			er	Year		
1,	IVKOVIC B., PO	povic Z.	Up	oravijanje projekti	ma u grad	evinarstvu	Gradevinska knjiga Centar za organizao	ciiu, razvoi i	2005		
2,	Novaković V.		Me	Menadžment savremene građevinske firme menadžment					1999		
3,	Plasar A., Vu P.	KOVIC S., B	rana Pro	^a Proučavanje tehnoloških procesa u građevinarstvu FTN IIG, Posebno izdanje 8							
4,	Trivunić M.		Ma	aterijali sa predav	vanja				2007		
5,	Winch G.	6 C Stom	Ma	anaging Construc	tion Proje	cts	Blackwell Publishing	g	2002		
6,	M.	c G., Stam	Pro	ojekt menadžmer	nt u građe	vinskoj praksi	SG ITS, Beograd		1999		



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

Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:											
Course	id:	GG521	Construction Business and Regulative								
Number	r of ECTS:	4									
Teache	rs:		Malešev I	M. Mirjana, Male	šević B. E	rika					
Course	status:		Elective								
Number	Number of active teaching classes (weekly)										
L	ectures:	Practical	classes:	lasses: Other teaching types: Study rese			arch work: Other classes		asses:		
	2	2	2	0		0) 0				
Precon	dition courses	-		None							
1. Educ	ational goal:										
Obtainir	ng knowledge	on legal re	gulative de	aling with the bu	ilding proc	Cess.					
2. Educ	ational outcom	nes (acquire	ed knowled	dge):							
Enablin	g students to r	nanage the	e building p	process in accord	ance with	legal regulative.					
3. Cour	se content/stru	icture:									
Genesis on the development of legal regulative in construction. Laws and other legal regulations related to civil engineering. Law on planning and building. Plan documentation. Site documentation. Legal sub-acts. Law on standardization. Law on safety and health protection. Law on public procurement. Contract documentation. FIDIC regulations.											
4. Teac	hing methods:										
Audio a	nd visual.										
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Exercis	e attendance			Yes	5.00	Oral part of the exam		Yes	30.00		
Lecture attendance				Yes	5.00						
Term pa	aper			Yes	60.00						
	Literature										
Ord.	A	uthor	<u> </u>		litie		Publisher Y		Year		
1,	IVKOVIĆ,B.,PO	povic,∠.	Up	pravijanje projekti	ma u grad		Nauka,Beograd		1994		
2,	KISUC.G.		Zakonska regulativa u graditeljstvu Sistem standarda za građevinski menadžment						2004		
3,	Mandić,K., F	ranger,A.	,tenderska i ugovorna dokumentacija Građevinska knjiga, Beograd					2006			
4,	-		Zakon o planiranju i izgradnji SI RSbr.47/2003, str.1-19 2					2003			
5,	-		Za	Zakon o javnim nabavkama SI.RS.,br.39/2003 , str.3-21 2003					2003		
6,	-			FIDIC propisi FIDIC 1994							



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

Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course											
Course	id:	GG506		Professional Practice							
Number	of ECTS:	3									
Teache	rs:										
Course	status:		Elective	lective							
Number	Number of active teaching classes (weekly)										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
	0	C)	0		0		3			
Precon	dition courses	-		None							
1. Educ	ational goal:										
Acquiring practical knowledge and experience in the design and construction enterprises.											
2. Educational outcomes (acquired knowledge):											
Enabling students for practical knowledge application, obtained at the studies of civil engineering, in the design and construction companies.											
3. Cour	se content/stru	ucture:									
Architectural design in the conditions of everyday design practice. Civil engineering in the conditions of everyday design practice. The elaboration of design and technical documentation. Preparation for building. Engineering and consulting – practical aspects. Organization of building. Technology of building. Conditions at the building site. Commercial aspects of building. Management – practical aspects. Marketing – practical examples.											
4. Teac	hing methods:										
Interactive work with students in order to continually monitor their knowledge level. Analysis on the problems included in the syllabus and comparison to practical solutions.											
Knowledge evaluation (maximum 100 points)											
Pre-examination obligations			Mandatory	Points	Final ex	inal exam Mandator		Points			
Project	defence			Yes	50.00	Oral part of the exam		Yes	50.00		
					Litera	ature					
Ord.	ŀ	Author			Title		Publishe	r	Year		
1,	Razni autori		F	Priručnici, knjige i u	džbenici		Različiti izdavači		2000		



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

Civil Engineering

Study Programme Accreditation

Course:		Study-Research Work on the Master Thesis Theoretical									
Course i	id:	SIM01	Framework								
Number	of ECTS:	15									
Teacher	'S:										
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:		
	0	C)	0		1()	0			
Precond	lition courses			None		-	-				
1. Educa	1. Educational goal:										
2. Educational outcomes (acquired knowledge):											
3. Course content/structure:											
4. Teaching methods:											
Knowledge evaluation (maximum 100 points)											
	Pre-examination obligations Mandatory Points Final exam Mandatory				Points						
	Literature										
Ord.	A	uthor			Title		Publishe	er	Year		


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

Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Table 5.2 Course specification

Course:							
Course id:	GG5ZR		Mast	er The	esis – Elaboration and Defen	ce	
Number of ECTS:	10						
Teachers:							
Course status:		Elective					
Number of active teac	hing classe	es (weekly)	1				
Lectures:	Practical	classes:	Other teachi	ng types:	Study research work:	Other classes:	3:
0	()	0		0	10	
Precondition courses	-	None					
1. Educational goal:							
Obtaining knowledge on the manner, structure and form of writing a report after the performed analyses and other activities within the set topic of the Master thesis. On elaborating the Master thesis, students obtain the experience for writing papers in which it is necessary to describe problems, used methods and procedures, and obtained results. Furthermore, the objective of the elaboration and defence of the Master thesis is to develop the ability of the students to prepare the results of their individual work in the form appropriate for public presentation, as well as to answer any suggestions or questions related to the set topic.							
2. Educational butcon Enabling students for knowledge from other set topic, students ob Master thesis students preparing results for a obtain necessary exp	2. Educational outcomes (acquired knowledge): Enabling students for systematic approach in solving set problems, performing analyses, applying the acquired knowledge and accepting knowledge from other fields in order to find a solution to the given problem. By individually researching and solving tasks in the field of the set topic, students obtain knowledge on the complexity and wideness of the problems in the field of their profession. By elaborating a Master thesis students acquire certain experience that can be applied in practice while solving problems in the field of their profession. By preparing results for a public defence, by the public defence and answering the questions and suggestions by the committee, students obtain peressary experience on the manner to present the results of an individual or collective work in practice.						
3. Course content/stru	icture:						
It is formed individua agreement with the s Technical Sciences. A set regulations and pr	ally in acco upervisor e student pr ocedures.	ordance wi elaborates repares and	th the demands the Master thes d defends the Ma	and field is in the v aster thesi	s enclosed in the set topic of the Master the vritten form in accordance with the set process s publicly in agreement with the supervisor and	lesis. A student in dure at the Facult d in accordance to	n an lty of o the
4. Teaching methods:							
During the elaboration of the Master thesis, a student consults the supervisor, and if needed, other professors dealing with the field that is a topic of the Master thesis. A student completes the Master thesis and on receiving the agreement from the committee for evaluation and defence, delivers bounded copies to the committee. The defence of the Master thesis is public, and a student is obliged to orally answer any questions or suggestions after the presentation.							
			Knowledge e	valuation	(maximum 100 points)		
Pre-examina	ation obliga	tions	Mandatory	Points	Final exam	Mandatory Poi	oints

	Rilowicuge c	valuation			
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	
Writing the master thesis	No	50.00	Oral part of the exam	No	
		_			

50.00



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

Study Programme Accreditation





Course:				Accombled Concrete Structures						
Course	id:	GG510			Asser	nbled Concrete	Structures			
Number	of ECTS:	4								
Teache	r:		Brujić S. Z	Zoran						
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:	
	2	2	2	0		0		0		
Precond	lition courses		-	None						
1. Educ	ational goal:									
Enablin	Enabling students to design and construct assembled concrete structures (ACS) – buildings, halls, engineering structures and bridges.									
2. Educ	2. Educational outcomes (acquired knowledge):									
Knowle analysir	Knowledge on the properties of assembled elements and their joints and connections for optimal application in calculating, modelling and analysing ACS structures of diverse purpose.									
3. Cours	3. Course content/structure:									
Specific designin construct transfer actions building connect concret	Specificities in the assembled building of concrete structures. Advantages and drawbacks of the assembled building. Principles of designing ACS: selection of cross section, material and structural system, composing and decomposing structures, precast monolith construction, influence of rheological concrete characteristics. Element design and optimization. Joints and connections, principles of load transfer, types of joints and connections, protection of joints, dilatation expansion joints. Assembly structures for industrial halls: elements, actions, design (roof structure, main girders, longitudinal and cantilever frameworks). Skeleton and panel structures of multi-storey buildings: constructing the structural system, elements, actions, withstanding and transferring loads, aseismic designing. Joints and connections of skeleton structures. Joints and connections of panel structures. Thin-shell and polyhedral roofs. Integrity of assembled concrete structures. Analysis on ACS with non-stiffened points. Engineering structures (tanks, supporting walls, canals) and bridges.									
4. Teac	hing methods:									
Lecture	s. Auditory, nu	merical/cor	mputing, ar	nd computer prac	ctice. Tuto	rials. Defence of numeric	al/computing practice	e and semina	r paper.	
				Knowledge e	valuation	(maximum 100 points)				
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Exercise	e attendance			Yes	0.00	Oral part of the exam		Yes	50.00	
Lecture	attendance			Yes	0.00					
Term na	ner			Yes	20.00					
Termpe				165	Liter	ature				
Ord.	A	uthor			Title		Publishe	er	Year	
1,	Grupa autora	1	Мо	ntažni građevins	ki objekti		Ekonomika, Beogra	ad	1983	
2,	Grupa autora	1	Prin	ručnik za primen	u Pravilnil	ka za beton i armirani	Građevinski fakulte	t Beograd	2002	
3,	FIB		Stri	StructuralConnections for PrecastConcreteBuildings, Federation International du Beton FIB Bulletin No. 43 2008					2008	
4,	Stupre		Pre	Precast Concrete Connection Details Precast Concrete Connection Details Verlag, Netherlands					1981	
5,	Brujić Z.		Ma	terijal sa predav	anja i vežl	banja			2010	



Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:			Seismic Analysis of Engineering Structures						
Course	id:	GG530		Seisn	nic An	alysis of Engine	ering Structu	res	
Number	of ECTS:	4							
Teache			Lađinović Ž	Ž. Đorđe					
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	sses:
	2	2	2	0		0		0	
Precond	lition courses			None			•		
1. Educational goal:									
Obtainir	ıg knowledge ı	necessary	for aseismic	c design of engi	neering st	ructures.			
2. Educ	ational outcom	es (acquire	ed knowledg	ge):					
Enablin constru	g students to ction practice.	calculate t	he influence	es in a structur	e due to	earthquake action and to	design seismically	resistant stru	ctures in
3. Cours	se content/stru	cture:							
Genera earthqu damped resistan seismic enginee	I on earthqual ake registratio I model vibrati t engineering risk. Designin ring facilities.	kes: reaso n, intensity ions due to structures g accordin	ons of origin of seismic o dynamic fo : basic obje g to contem	and types of action and seis oundation move cotives and den aporary regulation	earthqual mic scale ement, re nands for ve: desigr	kes, seismic waves, cha s. Analysis of structure b sponse spectre methods seismic protection, design requirements and criteri	racteristics of eartho ehaviour in earthqua , modal analysis. De gn methodology, mea a for bridges, suppor	uake soil mo ke action: col signing of se asures for de t structures a	ovement, instrained ismically creasing and other
4. Teac	ning methods:								
Lecture course examina	s, numerical a content. Prere ation or a defe	nd graphic equisite for ended sem	c practice, tu taking the ninar paper.	utorials. Practic examination a	e is perfo re positive	ormed in groups using the ely graded individual pap	e programme that co ers and the demand	mpletely follo led success	wing the at partial
				Knowledge e	valuation	(maximum 100 points)			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points
Graphic	paper			Yes	30.00	Written part of the exam ·	- tasks and theory	Yes	40.00
Term pa	aper			Yes	30.00				
					Liter	ature		i	
Ord.	A	uthor	Title Publisher Yea					Year	
1,	Brčić V.	far D. Dot	Dina	amika konstruko	ija		Građevinska knjiga,	Beograd	1981
2,	B., Savitz-No	san A.,	Zem	nljotresno inženj	erstvo – v	visokogradnja	Građevinska knjiga,	Beograd	1990
3,	Petrović B.		Oda	ibrana poglavlja	iz zemljo	tresnog građevinarstva	Građevinska knjiga,	Beograd	1989



Course:

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Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

					N /	lathamatical Ct-	tiotica						
Course	id:	GH404		Mathematical Statistics									
Number	of ECTS:	4											
Teache	1		Gilezan K.	Silvia									
Course	status:		Elective										
Number	of active teac	hing classe	s (weekly)										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:				
	2	1		1		0		0					
Precond	lition courses												
1. Educ	ational goal:												
Enabling objectiv Course in the fie how to better u	g students for e is to develo character is ap eld of study. Fo select adequa nderstanding	abstract thin p a special oplicative, h urthermore, te statistic of profession	nking and a I manner o lence the si , students a methods, e onal literati	cquiring fundar f students` thir gnificance is pl re becoming ca elaborate a sta ure and succes	mental kno nking in si aced on th apable of tistic anal ssful impro	weledge in the field of pro tudying mass phenomen he knowledge that can ex using a statistics program ysis and explain its esse ovement in the studies.	bability and mathema a in the field of con plain the quantitative me. The aim is to er ence. This knowledg	atical statistic struction – h approach to hable student e is the found	s. Course ydraulics. problems s to know dation for				
2. Educ	ational outcom	es (acquire	d knowledg	ge):									
Acquire using th this cou	d knowledge s e knowledge f rse, as well as	hould be us rom this co skills for ca	sed by stud urse by ado alculating a	ents in further e opting theoretica nd interpreting	education al knowleo final statis	and in professional cours lge in the field of probabil tic indicators.	es to make and solve ity and mathematical	e mathematic I statistics pre	al models esented in				
3. Cours	se content/stru	cture:											
Theoret type. R variable expecta value ar table an unknow parame present	Theoretical course: Probability: Probability axioms. Conditional probability. Bayes' theorem. Random variable of discrete and continual ype. Random vector of discrete and continual type and common distribution. Conditional distributions. Transformation of random variables. Mathematical expectations. Variation and standard deviation. Moments. Co-variation, correlation coefficient. Conditional expectations. Laws on large numbers. Central border theorems. Correlation and regression; linear regression. Sample distribution, mean value and dispersion. Statistics: basic notions. Population, sample. Statistics. Descriptive statistic analysis (basic notions, data acquisition, able and graphic data presentation, data analysis by descriptive statistic methods, programme support for static analysis). Evaluation of inknown parameters (Dot evaluations: moment methods and maximal reliability method. Interval evaluation.). Parameter and non- parameter hypothesis and tests. Practice classes: At practice, student do adequate examples from the theoretical classes to practice the presented course content, so that practice help the understanding of the presented content.												
4. Teach Lectures present follow th statistic of the c second	hing methods: s. Numerical c ed with the the le lectures, stu programme, s ontent that ma module: Stati	alculation a eoretical pa udents do c tudents do akes a logi stics).	nd compute int of the cc haracterist the process cal unit ca	er practice. Tuto ourse content fo ic exercises an sing of the obtai n be taken duri	orials. Lec blowed by d widen th ined result ing the te	tures are performed in a o characteristic examples the course content from th ts. Apart from lectures and aching process in the for	combined manner. A for easier understar e lectures. At compu d practice, there are rm of 2 modules (fire	t lectures, stu nding. At prao uter practice, regular tutoria st module: Pr	dents are ctice, that using the als. A part robability,				
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examina	ition obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points				
Comple	x exercises			Yes	15.00	Final exam - part one		No	50.00				
Exercise	attendance			Yes	3.00	Final exam - part two	tooko and theony	No	50.00				
Test	allenuarice			Yes	10.00	whiten part of the exam-	- tasks and theory	res	50.00				
Test				Yes	10.00								
Test				Yes	10.00								
					Liter	ature							
Ord.	A	uthor			Title	9	Publishe	er	Year				
1,	M. Stojaković	5	Mat	ematička statist	tika		FTN (Edicija tehnič	ke nauke –	2000				
2,	M. Novković, I.Kovačević	B.Rodić,	Zbirka rešenih zadataka iz verovatnoće i statistike Zbirka rešenih zadataka i zbirka rešenih zadataka i zbirka rešenih				2004						
3,	V.Jevremovid	ć, J.Mališić	Statističke metode u metorologiji i inženjerstvu Savezni hidrometorološki zavod, Beograd 2002										
4,	I.Kovačević,	M. Novkovi	ć Vero	ovatnoća i mate	ematička s	tatistika, - skripta	FTN, Novi Sad		1999				
5,	S.Gilezan,Lj.	Nedović,	Zbir	ka rešenih zada	ataka iz Sl	atistike	FIN(Centar za mat statistiku), Novi Sao	tematiku i d	2004				



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

Study Programme Accreditation

Civil Engineering



Table 5.2 Course specification

MASTER ACADEMIC STUDIES

Course:										
i				Waterways and Ports						
Course	id:	S0I51V			١	Naterways and	Ports			
Number	r of ECTS:	5								
Teache	r:		Bačkalić M	Todor						
Course	status:		Elective							
Number	r of active teac	ching classe	es (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:	
	2	2	2	0		C		0		
Precond	dition courses		-	None						
1. Educ	ational goal:									
Acquirin technol	ng knowledge ogical charac	e about na teristics o	tural and ai f ports.	tificial waterw	ays, hydr	o-technical facilities an	d navigation require	ments, techr	nical and	
2. Educ	ational outcom	nes (acquir	ed knowledg	e):						
Applicat defining compos	application of acquired knowledge of technical and technological characteristics of waterways and ports when solving the problem of efining logistics chains and supply chains. Knowledge of waterways and ports defines the place and role of water traffic in the base omposed of knowledge gained from other cases that deal with modes of transport.									
3. Cour:	se content/stru	ucture:								
The ba	3. Course content/structure: The basic exploitation qualities of waterways. The basics of river sediment and morphology. Regulation of rivers for navigation: determination of the natural characteristics of the regime and the necessary volume of regulation, regulation of the river bed, river channeling. Navigable channels. Influence of the speed of navigation on the canal bank. Ship locks. Maintenance of inland waterways. Fundamentals of waterways and ports at sea. Information systems and management of traffic on navigable waterways. Port Terminals: General cargo terminal, container terminal, multi-purpose terminal, Ro-Ro terminal, bulk terminal cargo, liquid cargo terminal, the terminal or container-floating barges. Processing and servicing of transport vessel assets in ports: operation technology of transport vessels in the ports, the structure of commodity operations and coordination with operation of port assets and common forms of transportation, distribution of vessels in landing places. Port planning and development: phase of port development, port management development, principles of planning, traffic forecasts, detailed planning and zoning, investment planning. Models of port planning system - an analytical and experimental model. Analytical models of port system with Markovski discrete and continuous time chains. Models for the composition processing of towboats and barges in the clasp of anchorage-operative banks. The analytical models for determining the medium relative time for vessels waiting at anchorage. Experimental model - a port simulation model. 4. Teaching methods:									
determi channe Fundan Genera for cont ports, ti distribur principle and exi compos medium 4. Teacl Lecture:	ling. Navigable nentals of water aner-floating le he structure of tion of vessels perimental m sition procession or relative time hing methods: s: oral present	e channels erways and al, containe barges. Pro of commoo s in landing , traffic fore odel. Anal ng of towb for vessel	influence of ports at see r terminal, n pocessing and lity operatio g places. Po ecasts, detail ytical mode oats and ba s waiting at	of the speed of a. Information hulti-purpose te servicing of tr ns and coordi rt planning an ed planning ar Is of port sys rges in the cla anchorage. Ex resentations. A	ansport ve systems a erminal, Re ansport ve ination wi d develop nd zoning, tem with sp of anc speriments	non on the canal bank. Sh and management of traff o-Ro terminal, bulk termin essel assets in ports: ope th operation of port ass ment: phase of port dev investment planning. Mc Markovski discrete and horage-operative banks. al model - a port simulat	gulation, regulation ip locks. Maintenance ic on navigable wateu nal cargo, liquid cargo ration technology of ti ets and common for elopment, port mana dels of port planning I continuous time ch The analytical mode ion model.	of the river b e of inland wa rways. Port Ti b terminal, the ransport vessa rms of transp gement deve system - an a hains. Models els for determ	aterways. erminals: e terminal els in the portation, lopment, analytical s for the ining the	
determi channe Fundan Genera for cont ports, ti distribur principle and exi compos medium 4. Teacl Lecture: exercise	ling. Navigabl nentals of wat l cargo termina ainer-floating l he structure of tion of vessels es of planning perimental m sition processi n relative time hing methods: s: oral present e: introduction inct matter	tations and to the instructions and to the instructions and to the instruction	a Influence of ports at see er terminal, n pocessing and lity operatio g places. Po ecasts, detail ytical mode oats and ba s waiting at computer p	of the speed of a. Information hulti-purpose te servicing of tr ns and coordi rt planning an ed planning ar ls of port sys rges in the cla anchorage. Ex resentations. A measurement of	anavigation systems a cominal, Re- ansport ver- ination wi d develop nd zoning, tem with sp of anc coperimenta Auditory ex- pof real systems	Arcossary volume of registerior of the one on the canal bank. Shand management of traffo-Ro terminal, bulk terminessel assets in ports: ope th operation of port assument: phase of port dev investment planning. More Markovski discrete and horage-operative banks. al model - a port simulate exercises: oral presentations the stems, fieldwork and visits	guiation, regulation ip locks. Maintenance ic on navigable water nal cargo, liquid cargo ration technology of tr ets and common for elopment, port mana odels of port planning I continuous time ch The analytical mode ion model.	of the river b e of inland wa rways. Port Tr o terminal, the ransport vess rms of transp agement deve system - an a hains. Models els for determ sentations. La ompanies dea	ed, fiver aterways, erminals: erminals els in the portation, lopment, analytical s for the ining the aboratory aling with	
determi channe Fundan Genera for cont ports, ti distribur principle and exi compos medium 4. Teacl Lecture: exercise the subj	ling. Navigabl hentals of wat l cargo termina ainer-floating l he structure of tion of vessels es of planning perimental m sition processi n relative time hing methods: s: oral presen a: introduction ject matter.	tations and to the instr to the instr to the instr	a Influence of ports at see er terminal, n pocessing and lity operatio g places. Poi coasts, detail ytical mode oats and ba s waiting at computer p ruments for	of the speed of a. Information hulti-purpose te servicing of tr ns and coordi rt planning an ed planning ar ls of port sys rges in the cla anchorage. Ex resentations. A measurement of	ansport ve ination wi d develop nd zoning, tem with sp of anc of real sys	necessary volume of real on on the canal bank. Sh and management of traff o-Ro terminal, bulk termin essel assets in ports: ope th operation of port ass ment: phase of port dev investment planning. Mo Markovski discrete and horage-operative banks. al model - a port simulat exercises: oral presentatio stems, fieldwork and visits	gulation, regulation ip locks. Maintenance ic on navigable wateu nal cargo, liquid cargo ration technology of ti ets and common for elopment, port mana dels of port planning I continuous time ch The analytical mode ion model.	of the river b e of inland wa rways. Port Ti b terminal, the ransport vessi- rms of transp iggement deve system - an a hains. Models els for determ sentations. La ompanies dea	ed, river aterways. erminals e terminal els in the bortation, elopment, analytical s for the ining the aboratory aling with	
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Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:				Special Prostrossed and Composite Concrete Structures						
Course	id:	GG511	Spe	ecial Pres	stresse	ed and Composi	ite Concrete	Structure	es	
Number	of ECTS:	4								
Teache	r:		Brujić S. Zo	ran						
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:	
	2	2	2	0		0		0		
Precond	lition courses			None		•				
1. Educ	ational goal:									
Enablin building	Enabling students for the work on designing, constructing and maintaining special prestressed and composite concrete structures in building construction.									
2. Educ	ational outcom	nes (acquire	ed knowledge	e):						
Knowle	Knowledge on the specificities of prestressed and composite concrete structures for their optimal design and building.									
3. Cours	3. Course content/structure:									
Specific dimension prestress and pose at contact and lime cables of building	Specificities and forms of partial prestressed elements and structures. Degree of prestressing. Specificities in calculating and dimensioning cross sections and elements according to limit bearing capacity and limit usability conditions. Specificities and forms of prestressed concrete structures with cables without joints and with exterior cables. Supplementary elements in the system for prestressing and poststressing. Specificities and forms of composite concrete of diverse mechanical and rheological characteristics. Shearing stresses at contact element surface. Specificities in calculating and dimensioning cross sections and elements according to limit bearing capacity and limit usability conditions. Designing line and surface elements and structures by applying: partial prestressing, prestressing with cables without joints and exterior cables, compositing of reinforced concrete and/or prestressed concrete elements. Application for halls,									
4. Teac	hing methods:		<u> </u>	-						
Lecture practice	s. Auditory, nu and/or semin	ımerical/ca ar paper.	lculation and	computer pra	ictice. Tuti	orials. Tests. Partial exan	ninations. Defence o	f numerical/c	alculation	
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Exercise	e attendance			Yes	0.00	Written part of the exam	 tasks and theory 	Yes	50.00	
Lecture	attendance			Yes	0.00					
Project				Yes	30.00					
Term pa	aper			Yes	20.00					
					Liter	ature				
Ord.	A	luthor			litie			er	Year	
1,	Jevtic D.	audić D	Prednapregnuti beton Građevinska knjiga, Beograd 1980				1980			
∠, 2			Parci	jaine prethodn	o napregr	nute konstrukcije 1 deo	Gradevinski kalend	ar, Beograd	1007	
3, 1	Folić P. Toto	mirović M	Sprov	nute betonek			Građevinski kalend	ar Beograd	1000	
4, 5	Folić R Tato	mirović M	Spre	nute betonek		rcije i ueu	Građevinski kalend	ar Beograd	2000	
6,	Grupa autora		EVR	DKOD 2 Prora	čun beton	skih konstrukcija	Građevinski fakulte Univerziteta u Beog	et gradu	1997	



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

Study Programme Accreditation





Course:				Selected Chapters in Construction Economy					
Course	id:	GM504		Select	ed Ch	apters in Const	ruction Econo	omy	
Number	of ECTS:	4							
Teache	rs:		Malešević B	. Erika, Perovi	ić I. Vesel	n			
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	sses:
	2	2	2	0		0		0	
Precond	lition courses			None		•			
1. Educ	1. Educational goal:								
Obtainir	Obtaining knowledge on basic principles in the business of a construction company.								
2. Educ	2. Educational outcomes (acquired knowledge):								
Enablin building	Enabling students for further following on the course content in professional courses in the fields of management, organization and building technology.								
3. Cours	se content/stru	cture:							
Organiz analysis	ation of constr . Resource us	uction com age optimi	ipanies. Meai zation. Deteri	ns and capaci mining a busir	ties in a co ness succo	onstruction company. Ma	nners of business fina	ancing. Cost	and price
4. Teac	hing methods:								
Audio a	nd visual.								
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Exercise	e attendance			Yes	5.00	Oral part of the exam		Yes	50.00
Lecture	attendance			Yes	5.00				
Term pa	aper			Yes	40.00				
i					Liter	ature			
Ord.	A	uthor	Title Publisher					Year	
1,	Malešević, E.		Ekono	Ekonomika građevinarstva i osnovi menadžmenta UN,GF, Subotica 19			1999		
2,	Marinić,I.		Ekono	Ekonomske analize u građevinarstvu UN, FTN, Stylos, Novi Sad 1998					
3,	NIKOIIC,M.,Ma ajčić,D., Paul	alenovic,N., nović.,B.	Ekono	omika preduze	eća		EF,Beograd		2002





Civil Engineering

Study Programme Accreditation

Course id: GG531 Number of ECTS: 4 Teachers: Brujić S. Zoran, Folić J. Radomir Course status: Elective						
Number of ECTS: 4 Teachers: Brujić S. Zoran, Folić J. Radomir Course status: Elective						
Teachers: Brujić S. Zoran, Folić J. Radomir Course status: Elective						
Course status: Elective						
Number of active teaching classes (weekly)						
Lectures: Practical classes: Other teaching types: Study research work: Other classes:						
2 2 0 0 0						
Precondition courses None						
1. Educational goal:						
Enabling students for the work on designing, constructing and maintaining masonry structures with diverse purpose.						
2. Educational outcomes (acquired knowledge):						
The knowledge on the materials and elements for building and their properties in order to be optimally applied in calculating, modelling and analysing structures to design masonry structures of diverse purpose.						
3. Course content/structure:						
Dverview and development of masonry structures and technical regulative. Materials for masonry structures: elements for building, nortar, concrete, reinforced and prestressed steel. Application of soil, stone, brick and blocks in building masonry structures. Types of nasonry structural elements: bearing and nonbearing (partition) walls, walls with or without reinforced concrete belt course., reinforced and unreinforced walls, prestressed walls, posts, etc. Physical, mechanical and rheological characteristics of unreinforced walls. Conceptual design of masonry structures. Structural systems of masonry buildings. Calculation of masonry structures for the influence of <i>vertical</i> and horizontal load. Seismic analysis and aseismic design of masonry structures. Calculating walls and posts according to bermitted stresses and limit bearing capacity. Facade walls on buildings. Foundation walls in buildings. Details of masonry structures of arches, vaults elements and their construction. Construction and quality control for works and materials for building. Masonry structures of arches, vaults and posts active application in engineering practice, culverts and brides.						
 Teaching methods: Lectures. Computer practice. Tutorials. Examination is taken as a written test with the questions concerning relevant course conter During the teaching process, students orally defend 1 seminar paper with a topic in the field of masonry structures. Seminar paper 						
presented in written form containing app. 20 text pages with drawings and figures.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations Mandatory Points Final exam Mandatory Point						
Exercise attendance Yes 10.00 Written part of the exam - tasks and theory Yes 40.0						
Literature						
Ord. Author Title Publisher Year						
European Committee for Evrokod EC6. Proračun zidanih konstrukcija, Deo 1-1 GF, Beograd 2006						
European Committee for Evrokod EC8, Proračun seizmički otpornih GF. Beograd 2006						
3 Radić I i suradn Zidane konstrukcija, Deo 1 HSN i GE Zagreb 2007						
4, Folić, R.Zidane konstrukcije-skriptaFTN, Novi Sad2011						
5, Drysdale, R. et al. Masonry Structures-Beahvior and design Prentice-Hall, E. Cliffs, New Lersey 1994						
6, Roberts, J. et all. Concrete Masonry-Designer's Manual Spon, London nad New York 2001						



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



Study Programme Accreditation MASTER ACADEMIC STUDIES

Civil Engineering

Course	:									
Course	id:	GH507			E	Engineering Geo	odesy			
Numbe	r of ECTS:	4	1							
Teache	r:		Ninkov Đ. T	oša						
Course	status:		Elective							
Numbe	r of active teac	hing classe	es (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:	
	2	()	2		0		0		
Precon	dition courses	-		None						
1. Educ	ational goal:			-						
Enablin	Enabling students for acquiring professional knowledge and application in practice.									
2. Educ	2. Educational outcomes (acquired knowledge):									
Acquire profess	Acquired knowledge is used in professional courses. Student is competent to utilize acquired knowledge in further education in professional courses.									
3. Cour	se content/stru	icture:								
Conterr terrain networl Calcula constru	nporary methor models (DTM ks. Elaborating ating the amount cting and expl	ds for gath) and their g projects unt of the r loiting tunn	ering and pro application i on 3D markin realized work nels, dams ar	ocessing data in designing a ng of dots, lin <s dmt.<br="" from="">nd other high</s>	in surveyi and buildi es and su Projects structures	ng. Digital topography, p ng structures. Designing urfaces for approximating on deformation measuri s. GIS technology and ap	hotogrametry and re and realizing proje- g construction struct ng. Application of supplication. Communa	mote detection cts on local s rures. Markin urveying in c al information	on. Digital surveying g control. lesigning, systems.	
4. Teac	hing methods:									
Lecture Examin 35%, fil	es. Exercises, ⁻ ation: Knowle nal examinatio	Tutorials. P dge evalua on – oral fo	Prerequisites: ation: guided rm 35%.	30% of points and individua	should b I elaborat	e provided through the ol ion of obligatory tasks; T	bligatory tasks during he written examinati	the teaching ion – theory a) process. and tasks	
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Compu	ter excersise d	efence		Yes	20.00	Written part of the exam	- tasks and theory	Yes	35.00	
Compu	ter exercise at	tendance		Yes	5.00	Oral part of the exam		Yes	35.00	
Lecture	attendance			Yes	5.00					
					Liter	ature		1		
Ord.	Α	Nuthor	Title Publisher					Year		
1,	T. Ninkov		Inžen	Inženjerska geodezija skripta sa predavanja 2007					2007	
2,	F. Ninkov		GIS t	ennologija i nj	ena prime	na	Građevinski rečnik		2001	
3,	I. Ninkov		GPS	tennologija i n	jena prim	ena	skripta sa predavar	ıja	2007	



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

Study Programme Accreditation



MASTER ACADEMIC STUDIES

Civil Engineering

Course	:	_							
Course	id:	GG513			S	pecial Metal Stru	uctures		
Numbe	r of ECTS:	4							
Teache	r:		Kisin S.	Srđan					
Course	status:		Elective	•					
Numbe	r of active teac	hing classe	es (weekl	ly)					
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cl	asses:
	2	2	2	0		0		0	
Precon	dition courses	-		None					
1. Educ	ational goal:								
Obtainii	ng knowledge	necessary	for desig	ning, constructing	and main	taining structures made o	f complex metals.		
2. Educ	ational outcom	nes (acquire	ed knowle	edge):					
Enablin	g students to c	alculate, d	imension	and constructively	/ model m	netal structures from spec	ial steel, aluminium a	nd other allo	ys.
3. Cour	se content/stru	icture:							
Light-w overhar platforn	eight metal str ngs. Aluminiur ns. Technolog	uctures. Sp n structure ies for weld	patial trus s. Calcul ding stee	ss systems – conf lation specificities el, aluminium and	iguration, . Applicat certain al	calculation, design and a ion in building engineerir loys. Investigating the wo	assembly specificities ng, in power-line pylo elded joints.	s. Application	n with roof sportation
4. Teac	hing methods:								
Lecture	s. Auditory and	d graphic p	ractice. T	Tutorials.					
				Knowledge e	valuation	(maximum 100 points)		_	
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points
Exercis	e attendance			Yes	5.00	Oral part of the exam		Yes	50.00
Lecture attendance Yes 5.00									
Term pa	aper			Yes	20.00	-			
Term pa	aper			Yes	20.00				
					Liter	ature	l		
Ord.	A	uthor			Title	9	Publishe	er	Year
1,	Grupa autora	1	L	ight-weight steel a	nd alumir	nium structures	Elsevier, Oxford		1999



Study Programme Accreditation

Civil Engineering



MASTER ACADEMIC STUDIES

Course:											
Course	id:	GG524		Noise, Vi	bration	and Earthqual	kes in Surrou	indings			
Number	of ECTS:	4									
Teacher	1		Gajin S. S	lobodan							
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:		
	2	2	2	0		0		0			
Precond	lition courses		-	None							
1. Educa	ational goal:										
Obtainir especia	Obtaining knowledge on basic principles, methods and techniques in the field of technical acoustics, vibrations and earthquakes, especially in the field of civil engineering and the protection of living and working environment.										
2. Educa	2. Educational outcomes (acquired knowledge):										
Acquire the field	Acquired knowledge is used in professional courses and engineering practice. Student is capable of analysing and solving problems in the field of protection from noise in the living and working environment.										
3. Cours	3. Course content/structure:										
frequent acoustic pressur- penetral absorpt measuri- results of Methods sensitive 4. Teach At lectur present	Notions of a sound source, elastic environment and sound wave. Characteristic wave sizes: amplitude, period, frequency, circle frequency, wave distribution velocity, wave length. Air and structural waves. Musical tone, complex sound, sound wave spectre. Notion of acoustic space, characteristic sizes of sources and space: sound force of the source, sound intensity, sound energy density, density and pressure of an acoustic space, movement, velocity and acceleration of elastic environment particles, level of power, intensity and pressure, constant level of sound pressure – equivalent value, acoustic dose. Sound distribution in an open acoustic space, super-penetration of acoustic influences from multiple sources. Sound distribution in a closed acoustic space: reflection, breaking, diffraction, absorption and reverberation time. Quantitative and qualitative evaluation of sound effects. Measuring and research equipment for measuring and researching phenomena related to sound. Contemporary trends in the field of sampling, processing and acquisition of results of acoustic researches – acoustic map. Monitoring of acoustic parameters. Strategy of protection from vibrations and earthquakes. Methods and means of vibration protection applied fro the protection of people, structures and sensitive equipment. Perspectives in developing methods and means of vibration protection.										
earthqu practica Student	akes. Student I). During the s s who do not p	s have an semester, o bass the or	obligation oral examir al part of th	to do one graph nation can be tal ne examination	nic paper di ken as two via partial e	uring the semester. Exa partial examinations. Ex xaminations, has to pas	amination has an ora amination can be tal s it during the exam	al part (theore ken in the exa terms.	etical and am terms.		
				Knowledge e	evaluation (maximum 100 points)		1			
Fire 1	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points		
Exercise	e attendance			Yes	5.00	Coloquium exam		No	20.00		
Graphic	paper			Yes	30.00 C	Coloquium exam		N0 Vaa	20.00		
Lecture	allenuance			Yes	5.00	neoretical part of the exam	am - tasks	Yes	20.00		
					Literat		1- (05K5	163	20.00		
Ord	Δ	uthor			Title		Publishe	or I	Year		
1	FU		6.Pravna regulativa EU: Direktive 89/655/EEC, EU 20					2003			
2.	CVETKOVIĆ	, D.,	200 Bul	2000/14/EC, 2002/49/EC i 2003/10/ EC, Brisel, EU. LO 200 Buka i vibracije Izdavačka jedinica Univerziteta 199					1999		
_, 2	<u>PRASCEVIC</u> Gaiin S	, M.	Din	amički uticali tek	ničkog okr	uženia i zaštita od niib	<u>u Nisu</u> Centar za univerzite	etske	1994		
Э,	Jajin, J.				INCRUG OKI	azonja i zaslila ou njili	studije, TEMPUS C	entar	1004		



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

Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:												
Course	d:	GG514				Sp	ecial Timber Str	ructures				
Number	of ECTS:	4										
Teacher	:		Kočeto	v-Mišu	ılić Ð. Tatjana	a						
Course	status:		Elective	e								
Number	of active teac	hing classe	es (week	dy)								
Le	ectures:	Practical	classes	:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
	2	2	2		0		0		0			
Precond	ition courses				None							
1. Educa	ational goal:											
Obtainir product	Obtaining knowledge necessary for design, construction and maintenance of complex structures made of timber and modern wood products.											
2. Educa	ational outcom	nes (acquire	ed know	ledge)	:							
Achievir	ig competenci	es in solvin	ng comp	lex stru	uctural proble	ems in the	field of timber structures	 buildings and bridg 	es.			
3. Cours	e content/stru	icture:										
limit sat wood ba seismic advanta mainter	Contemporary trends in developing of timber structures – materials and joints. Advanced design methods of timber structures according to limit sates. Methods and techniques of laboratory and in situ testing of new materials, joints and elements. Prefabrication of composite wood based elements. Timber houses – systems, characteristics, basic elements and joints: behaviour of elements and joints under seismic action. Complex timber structures from glulam and cross-lam timber - concept, structural systems, static schemes and structural advantages. Timber bridges – static schemes, disposition solutions, elements of bearing structures. Construction, protection, maintenance.											
4. Teach	ning methods:											
Lectures exam. Ir	and complex every form c	c numerical	l/graphic ge exam	c tasks inatior	s (obligatory a	attendanc has to pa	e). Tutorials. Pre-examin ss the lower knowledge l	obligations: Semina imit.	r paper – pro	ject. Oral		
			-		Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	tion obligation	tions		Mandatory	Points	Final ex	kam	Mandatory	Points		
Project					Yes	50.00	Oral part of the exam		Yes	30.00		
Project	defence				Yes	20.00						
						Liter	ature	-				
Ord.	A	uthor				Title		Publishe	er	Year		
1,	Gojković M.,	Stojić D.	1	Drvene	e konstrukcije	9		Gradevinski fakulter Grosknjiga, Beogra	t & ad	1996		
2,	Gojković M.,	Stevanović	B. I	Drveni	mostovi			Naučna knjiga, Beo	grad	1985		
3,	Evrokod 5 -P konstrukcija	roračun dr	venih	Deo 1.	1 Opšta pr	avila i pra	vila za proračun zgrada	CEN		2004		
4,	Evrokod 5-Pr konstrukcija	roračun drv	renih l	Deo 1. požara	2 Opšta pr a	avila za ko	onstrukcije pod dejstvom	CEN		2004		
5,	Evrokod 5 - F konstrukcija	Proračun dr	rvenih	Deo 2 Mostovi CEN						2004		
6,	Kujundžić Vo	jislav	Savremene drvene konstrukcije Građevinska knjiga, Beograd						1989			
7,	Gojković M., dr.	Stevanović	B.i	. i Drvene konstrukcije - zbirka zadataka i izvodi iz propisa Građevinski fakultet, Beograd 20						2007		
8,	Zakić B., Koč Čakić B.	etov Mišuli	ić T.,	Monta	žne drvene k	uće u sve	tu i kod nas	Univerzitet u Prištin	i	1998		



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

tion



Study Programme Accreditation

Civil Engineering

Course	:										
Course	id:	GG512			(Composite Struc	ctures				
Numbe	r of ECTS:	4									
Teache	r:		Kisin S. Srđ	an							
Course	status:		Elective								
Numbe	r of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	2	2	2	0		0		0			
Precon	dition courses	-		None		·					
1. Educ	1. Educational goal:										
Obtaini	Obtaining knowledge in the field of application and modelling composite structures.										
2. Educ	ational outcom	nes (acquire	ed knowledge	e):							
Enablin	Enabling students to calculate, dimension and structurally model composite structures.										
3. Cour	se content/stru	icture:									
Elemer compos with pr Compo	its of composit site devices an ofile sheet mo siting wood a	te cross se d calculation etal. Comp and concre	ction in comp on. Cross sec posite posts. ete.	oositing steel a tion calculation Application	and concr n for vario of compo	ete. Rheological model. (us types of compositing. site structures in buildi	Composite cross sect Compositing truss gir ng construction and	tion analysis. ders. Compo I bridge con	Types of site slabs struction.		
4. Teac	hing methods:										
Lecture	s. Auditory and	d graphic p	ractice. Tutor	ials.							
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points		
Exercis	e attendance			Yes	5.00	Written part of the exam	 tasks and theory 	Yes	40.00		
Graphic paper Yes 20.00 Coloquium exam Yes					10.00						
Lecture attendance Yes 5.00 Oral part of the exam Yes				20.00							
Ord.	A	Nuthor			Title	Title Publisher			Year		
1,	Pržulj		Spree	gnute konstruk		hatan	Građevinska knjiga	, Beograd	1989		
2,	Horvatic D.		Spre	Spregnute konstrukcije čelik - beton Masmedia 2003							



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

Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course:												
Course	id:	GG518			Repa	air (of Concrete S	structures				
Number	of ECTS:	4										
Teache	rs:		Malešev N	1. Mirjana, Rado	onjanin S.	Vlas	stimir					
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	sses:		
	2	2		0			0		0			
Precond	lition courses											
1. Educ	1. Educational goal:											
Obtainir conditio	Obtaining knowledge on basic aspects on the durability of concrete structures and the methodologies and methods for assessing the real condition of concrete and precast structures.											
2. Educ	ational outcom	nes (acquire	d knowled	ge):								
Acquire optimal possibil	Acquired knowledge is used in professional courses and engineering practice. A student is capable of selecting and planning the most optimal methods for repairing a determined concrete elements or structures depending on the cause and degree of damage, repair possibilities, availability of financial resources and other relevant conditions.											
3. Course content/structure:												
(concre possibili capacity in struc procedu of concr 4. Teacl Within lu provide present repair o idea and under re partial e examina	te preparation tities. Crack rep v of structural e tures without tres; repairs by rete structures hing methods: ectures, stude explanations ed with divers f concrete eler d procedure fo eppair). The exi- examinations.	n, reinforce bair procedu elements; tr satisfactory y cross sect . Technical nts are deliv for the cont e structures ments and s amination h The examin ged to take	ment prep ures. Struct ansferring y bearing tion increas regulative vered pres tent detern s where th structures. a certain cc as an oral ation can to the ora	aration). Techr tural repair and the load to adja capacity; altera se; reinforceme in the field of th entations with p nined by the sy e repair has be Students have part (theoretic a be taken in the o	hiques of reinforcen acent struct ation of th nt and rep e repair o bhotograph flabus. Th en perform an obligat or structu and practi-	in-bu ment ctural to str bair b of con ths, ta nere a med tion ta ical). ns. S	uilding reparatory ma (methods, details and al elements of satisface tructural system; stree by gluing additional la norete structures. Exa cables, diagrams, form are also short thema l in order to be better to do a graphic paper All students have an o During the semester Students who do not ta	aterials. Methods for d calculation basis); tory bearing capacit ingthening the struct mellas. Materials for mples of the repairs hulas and emphasise tic films. At auditory acquainted with po bligatory profession , the oral examination ake oral part of the employed the structure of the employed and the structure of the employed the structure of the structure of the structure the structure of the structure of the structure of the structure the structure of the stru	or increasing the decreasing the regarded texts of concrete s of concrete s ed texts - define y practice study suble variation and the defe al excursion (s on can be take	the filling e bearing the span stressing protection tructures. nitions to dents are ons in the nce of an structures en as two via partial		
				Knowledge e	evaluation	n (ma	aximum 100 points)					
	Pre-examina	tion obligat	ions	Mandatory	Points		Final ex	am	Mandatory	Points		
Exercise	e attendance			Yes	5.00	Colo	oquium exam		No	20.00		
Lecture	attendance			Yes	5.00	Oral	al part of the exam		Yes	70.00		
Term pa	aper			Yes	20.00		-					
Ord	•				Liter	rature	e	Dublich		Veer		
Ura.	A	author	Title Publisher Y				rear					
1,	Urednik Boja	n Grum	Sanacije Betonskih objektov izobraževanje raziskovanje 2004					2004				
2,	Malešev,Miha	aonjanin, Mi <u>ailo Muravlj</u> e	2005 2005 2005						2005			
3,	Group of aut	hors	Cor	ncrete Repair m	anual, Vol	lume	e 1	ACI, BRE, ICRI, Co Society	oncrete	2003		
4,	Group of Aut	hors	Cor	ncrete Repair M	anual, Vol	lume	e 2	ACI, BRE, ICRI, Co	oncrete	2003		



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

Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Course			Damages and Repair of Masonry, Steel and Timber Structures								
Course	id:	GG517		0	•	, ,					
Number	of ECTS:	4									
Teache	rs:		Kočetov-l	Mišulić Đ. Tatjana	a, Malešev	/ M. Mirjana, Radonjanin	S. Vlastimir				
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:		
	2	2	2	0		0		0			
Precon	dition courses			None		ł					
1. Educ	ational goal:										
Introduc	tion to basic a	spects of d	urability o	f masonry, steel	and timber	structures.					
2. Educ	2. Educational outcomes (acquired knowledge):										
Student timber s depend	Student is competent to register and classify defects and damages, determine their cause and assess the condition of masonry, steel and timber structures. Student is also capable to elect and plan the most optimal method for repairing a certain element or an entire structure depending on the cause and level of damage, possibilities for repair, available financial means and other relevant conditions.										
3. Cour	3. Course content/structure:										
Masonr damage Materia protectii structur repairin exploita structur for repa structur 4. Teac Within I provide present gathere particips under n three pa	Masonry structures: Causes, deterioration mechanisms and forms of damage in masonry structures. Classification and presentation of damage in masonry structures due to structure overload, undistributed settlement and accidental actions (fire, earthquake, explosion, etc.). Materials and techniques for structural repair of masonry structures. Materials and techniques for protecting masonry structures (moisture protection, heat protection, etc.). Steel structures: Damages on steel structures due to corrosion and their classification. Damages on steel structures due to high temperatures and fires, snow overloads, ice influence in closed steel profiles, etc. Methods and techniques for repairing the damaged steel structures. Protection of steel structures. Timber structures: Factors for providing durability and expected exploitation period of individual types of timber structures. Types, classification and illustration of defects and damages in timber structures related to the nature of the cause. Methods and techniques for identifying and quantifying damages. Methods and techniques for repair and protection (replacement, filaments, gluing, reinforcement, element addition, compression). Repairing the cultural heritage structures. Examples of characteristic damage, assessment and repair of masonry, steel and timber structures.										
Chaimin				Knowledge	valuation	(maximum 100 points)					
	Pre-examina	tion obligat	tions	Mandatory	Points	Final a	kam	Mandatory	Points		
Exercis	e attendance		0015		5.00	Coloquium exam		No	20.00		
Lecture	attendance			Yes	5.00	Coloquium exam		No	20.00		
Present	ation			No	10.00	Oral part of the exam		Yes	70.00		
Term pa	aper			Yes	20.00	•		1			
					Litera	ature					
Ord.	A	uthor			Title Publisher Year			Year			
1,	grupa autora		Oš	stećenja i sanaciji nstrukcija- teksto	ćenja i sanacija zidanih, čeličnih i drvenih trukcija- tekstovi sa predavanja 2007				2007		
2,	Jurgen Blaich	<u>ו</u>	Po	oruchy stavieb	wi sa pieu	αναιίjα	Jaga group vydava	atelstvo,	2001		
3	Svetislav Vuč	ćenović	Ur	Urbana i arhitektonska konzervacija Društvo konzervatora srbije 2004							
<u></u>	S Thelanders	son H I I	arsen Tir	Finder Engineering							



UNIVERSITY OF NOVI SAD

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

Civil Engineering

Study Programme Accreditation MASTER ACADEMIC STUDIES

Course:		Stru	Structure Monitoring and Diagnostics by Applying Dynamic								
Course id:	GG523				Analysis Meth	nod	5)				
Number of ECTS:	4										
Teacher:		Gajin S. Slo	obodan								
Course status:		Elective									
Number of active to	eaching classe	es (weekly)									
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
2	()	2		0		0				
Precondition cours	es		None								
1. Educational goa	l:										
To obtain knowledge on fundamental principles, methods and techniques of dynamic analysis in the field of condition diagnostics and technical system monitoring, with a special overview of construction structures.											
2. Educational outcomes (acquired knowledge):											
Acquired knowledg	ge is used in p ics of a consti	professional ruction struc	courses and e ture based on	ngineerin investigat	g practice. Student is cap ing its dynamic and struc	bable to perform mor stural parameters.	nitoring and to	perform			
3. Course content/	structure:										
the initial "vibration vibrations and qua concrete slabs and by machines and µ tower, identificatio their origin, proces condition paramete parameter signals wireless communi	Experimental vibration analysis. Measuring and research equipment and instruments. "Vibration signature" of a structure. Application of the initial "vibration signature" method. Quality demands and/or acceptability of vibration parameters. Technical regulative in the field of vibrations and quakes of construction (fixed) structures. Some examples from engineering practice: identification of micro cracks in concrete slabs and walls based on the application of a "vibration map", identification of a source of induced vibrations on a structure made by machines and plants in the neighbourhood, identification of the source of vibration modulation on the bearing structure of a cooling tower, identification of a damage degree on a cement mill foundations based on a "vibration map". Structure condition parameters and their origin, processing and acquisition. Structure condition parameter monitoring in real time. Wireless systems for archiving the structure condition parameters is parameters: sensors, AD converters, inducers, communication system, system for processing and acquisition of condition parameter signals. Problems in defining acceptability and/or quality demands for structure condition parameters. Application of the wireless communication system in monitoring bridges, chimneys, towers, viaducts, aqueducts and industrial structures.										
 reaching metho Within lectures, stu provide explanation monitoring and co Students have an During the semest Students who do n 	ds: udents are del ns for the cont ndition diagn- obligation to c er, the oral ex ot take oral pa	ivered prese tent determin ostics metho do a graphic camination c art of the exa	entations with p ned by the sylla ods and techn paper with the an be taken as minations via	photograph bus. At au iques are e elaborat s two part partial exa	ns, tables, diagrams, forn Jditory practice students a realized based on meas ion and the defence of a ial examinations. The ex- minations are obliged to	nulas and emphasise are presented with di suring dynamic and diagnosed conditior amination can be tak take the oral examin	ed texts – defi verse structur structural par of a certain sen in the exa ation in the exa	nitions to es where ameters. structure. im terms. cam term.			
			Knowledge e	evaluation	(maximum 100 points)						
Pre-exam	nination obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Exercise attendance	e		Yes	5.00	Written part of the exam	 tasks and theory 	Yes	30.00			
Graphic paper			Yes	20.00	Coloquium exam		No	20.00			
Lecture attendance Yes 5.00 Coloquium exam No					20.00						
		Literature					40.00				
	م بالله م ت	1				Vera					
		Αςοι	ustic Noise Mea	asuremen	ts, The Aplication of the	Publishe	ei	rear			
1, BROCH,	J. I.	Brüe	&Kjar Measur	ar Measuring System				1973			
2, Gajin, S.		Dina	mički uticaji tel	hničkog oł	kruženja i zaštita od njih	studije, TEMPUS C	Centar	1994			



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

Study Programme Accreditation





Course:												
Course i	d:	GG516			Nonlir	lear Analysis of	Structures					
Number	of ECTS:	4										
Teacher			Lađinović Ž	Đorđe								
Course s	status:		Elective									
Number	of active teac	hing classe	es (weekly)									
Le	ctures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
	2	2	2	0		0		0				
Precond	tion courses			None								
1. Educa	tional goal:			-								
Acquirin	g knowledge r	elated to n	onlinear ana	ysis of line str	uctures fo	r diverse actions.						
2. Educa	tional outcom	ies (acquire	ed knowledge	e):								
Usability concrete	Jsability of the knowledge in the field of complex structure analysis for diverse actions and the capability for successful solving of concrete problems in the field of structure design.											
3. Cours	e content/stru	cture:										
Idealizat Material equilibriu notions. interior fe capacity	ions with line nonlinearity. Im equations Approximation orces in phys and deforma	ar static of Idealizatior . Notion of n of physica ical nonline tion of plan	line structure with materia imperfectior ally nonlinea earity. Simult ine line syster	es. Accurate ti al nonlinearity is, derivatives problems. Ge aneous geomons. Computer	heory on r . Links be and solu eneral bilir etric and p applicatio	novement geometry and tween interior and exterior tions for differential equa lear approximation. Plast ohysical nonlinearity. Itera n in solving nonlinear pro	the balance conditio or forces with geomet titions for rods. Physi- ic hinges and plastic a ative procedures for co oblems in line structure	ns on a defor tric nonlineari cal nonlinear analysis. Inter calculating the res.	med rod. ty. Knots ity, basic raction of e bearing			
4. Teach Interactiv course c	ing methods: /e work with s ontent and nu	tudents in meric mod	order to cont elling.	inually monito	r their kno	wledge level. Theoretical	analysis on the phen	omena includ	led in the			
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ition obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Compute	er exercise att	endance		Yes	10.00	Written part of the exam	- tasks and theory	Yes	40.00			
Homewo	ork			Yes	20.00							
Term pa	per			Yes	30.00							
Literature												
Ord.	A	uthor			Title		Publisher Yea					
1,	Prakash V., F Campbell S.	owell G.H.	., DRA <u>Gid</u> e	N-2DX – Base	e Program	gram Description and User Department of Civ.Eng., 199 University of California		1993				
2,	Wilson E.L.		Three	e-Dimensional tures	Static and	ic and Dynamic Analysis of CSI, Berkeley 200.			2002			
3,	Bathe K.J.		Finite	Element Proc	cedures		Prentice Hall		1996			
4,	Sullivan T., P G.	riestley N.,	Calvi Seisr	nic Design of I	Frame-Wa	Il Structures	IUSS Press, Pavia,	Italy	2006			



Study Programme Accreditation



Civil Engineering

Course	se:										
Course	id:	GG515			F	inite Element M	ethod				
Number	of ECTS:	4									
Teache	r:		Kovačević	: I. Dušan							
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:		
	2	2	2	0		0		0			
Precon	dition courses			None		-					
1. Educ	ational goal:										
Obtainii (FEM) a	Obtaining knowledge in the field of numerical modelling of structure behaviour for diverse actions by applying the finite element method (FEM) and the application of adequate computer software for FEM structure analysis.										
2. Educ	2. Educational outcomes (acquired knowledge):										
Enablin (FEM) a	g students in and the applic	the field of ation of ac	f numerical lequate coi	I modelling of st mputer software	ructure be for FEM	ehaviour for diverse actions structure analysis.	ons by applying the	finite elemer	nt method		
3. Cours	se content/stru	icture:									
Basic c elemen FEM. G contour interpol in stress	oncept of stru- t method (FEM eneral theory conditions, co ation functions s-strain analys	cture mode A). Diverse of FEM: el onditional e :: line, trian is and calc	elling. Cont forms of F ement ana equation so gular and r culations on	tinual and discre FEM. Matrix form Ilysis, transforma Ilution, calculatio ectangular elem n real engineering	ete calcula nulation o ation of th on result i ents. Nun g structur	ation models. Historical d f basic equations of the t e element stiffness matri nterpretation. Direct metl nerical integration. Comp es.	evelopment and inte heory of elasticity. V x, formation of the s nod. Residue method uter implementation of	erpretation of ariation form ystem stiffne d. Finite elen of the FEM a	the finite ulation of ss matrix, nents and pplication		
4. Teac	hing methods:										
Interact course comput	ive work with s content and F er software.	students in EM nume	order to co rical struct	ontinually monito ure modelling fo	or their kno or diverse	owledge level. Theoretic actions by applying CA	analysis on the phen SA (Computer Aide	omena incluo d Structural	ded in the Analysis)		
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points		
Term paper Yes 50.00 Theoretical part of the exam Yes 50							50.00				
					Liter	ature					
Ord.	A	uthor	Title		Title Publisher Year			Year			
1,	Miodrag Sek	ulović	Me	tod konačnih ele	menata	ata Građevinska knjiga, Beograd 1988		1988			
2,	Dušan Kovač	ćević	MK	E modeliranje u	analizi ko	nstrukcija	Građevinska knjiga	, Beograd	2006		
3,	Bathe K.J.		Fin	ite Element Proc	edures		Prentice Hall		1996		
4.	Hartmann F.	Katz C.	Stru	uctural Analysis	with Finite	e Elements	Springer, New York		2003		



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

Study Programme Accreditation

Civil Engineering



Table 5.2 Course specification

MASTER ACADEMIC STUDIES

Course												
Course	id:	GG522			D	esign of Tall Bu	ildings					
Number	r of ECTS:	4										
Teache	r:		Lađinović 2	. Đorđe								
Course	status:		Elective									
Number	r of active teac	hing classe	es (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:			
	2	2	2	0		0		0				
Precon	dition courses	•		None								
1. Educ	ational goal:			2								
To obta	in specific kno	wledge rela	ated to the c	alculation, desi	gn and co	nstruction of skyscrapers	from various materia	ls.				
2. Educ	ational outcom	nes (acquire	ed knowledg	e):								
Enabling students to solve complex problems in construction practice in the field of building construction design.												
3. Course content/structure:												
Notion, seismic lateral s under th prelimin	definition and action. Overv tability of structure action of wi ary and detail	l specificiti riew of bea ctures: con nd and ear ed numeric	es of skysc ring system crete, steel thquake for cal analysis.	rapers. Main a s in skyscrape and composite ces. Dynamic re Designing and	ections: co rs for grav structures esponse c construct	onstant and useful buildi vitation action. Applicatio s. Specific manner of four of skyscrapers. Analysis c ing skyscrapers: concept	ng loads, wind actior n of diverse bearing idation in skyscrapers n the influences and ual design, main and	1, temperatu systems for 3. Structural I calculation n brief project	re action, providing pehaviour nodels for			
4 Teac	hing methods:		<u> </u>			<u>.</u>	J					
Lecture content defende	s, numerical-g . Prerequisite f ed seminar pap	raphic prator for taking th per.	ctice. Tutori ne examinat	als. Practice is on are positive	done in g ly graded	roups according to the p individual tasks and dem	rogramme completel anded success at par	y following th tial examinat	ne course ions, or a			
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points			
Exercis	e attendance			Yes	5.00	Written part of the exam	 tasks and theory 	Yes	40.00			
Graphic	paper			Yes	20.00							
Term n	allenuarice			Yes	30.00							
rennpe				res	Liter	ature						
Ord	Δ	uthor			Title	Title Publisher Yea						
	Aničić D., Fa	jfar P., Pet	rović _{zom}	liotroopo inžoo	ioratvo	reutingkeerednig Orstauingke kriing Deerstal 4000			1000			
I,	B., Savitz-No	san A., To	maž Zerr		$\frac{1}{100}$	vo – visokogradnija Gradevinska knjiga, Beograd 1990			1990			
2,	SRPS		kons	strukcije	iiiiika i Sla	nuarua za grauevillSke	GF, Beograd		1995			



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

Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

Standard 06. Programme Quality, Contemporaneity and International Compliance

The study programme is coordinated with contemporary trends and situation in profession, and it is compatible with similar programmes in international higher education institutions. The study programme at the graduate academic studies in Civil Engineering designed in this manner is

omniscient and provides students with the latest scientific and professional knowledge in this field. The study programme in Civil Engineering is compatible with:

1. University of Glasgow, Faculty: Engineering, Department: Civil Engineering www.civil.gla.ac.uk/

2. Czech Technical University in Prague, Faculty of Civil Engineering,

www.fsv.cvut.cz/studente/bakalmag/bc/bce.php

3. Politehnika Warszawska, Civil Engineering

www.il.pw.edu.pl/index



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

Study Programme Accreditation

Civil Engineering

Standard 07. Student Enrollment

MASTER ACADEMIC STUDIES

The Faculty of Technical Sciences, in accordance with the social demands and its own resources, enrols at the Master studies in Civil Engineering, at the budget financing and self-financing, a certain number of students that is every year defined by the special Decision of the NNV FTN. The selection of the students and their enrolment is performed among the applied candidates based on their success during the previous education, as defined by the Statute on the enrolment of students to the study programmes. Students from other study programmes, as well as those with already completed studies, can enrol this study programme. In these cases the Evaluation committee (made by the head of the study programme and all heads of the chairs participating in the realization of the study programme) evaluate all passed activities by the candidates and based on the acknowledged number of points determine whether the candidate can enrol the graduate – Master studies of the selected study group. The passed activities can be accepted entirely, can be accepted partially (the committee can ask for additional work) or need not be accepted.



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

Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

Standard 08. Student Evaluation and Progress

The final grade at each individual course in this programme is formed by continual monitoring of students` accomplishments and the results obtained during the academic year and on final examinations.

Students master the study programme by taking examinations and thus obtaining a certain number of ECTS credits, in accordance with the study programme. Each course at the study programme has a set number of ECTS credits which students obtain on successfully passing the examination.

The number of ECTS credits is determined on the basis of working activities of students in taking a certain course and by applying the unique methodology at the Faculty of Technical Sciences for all study programmes. Students' success in mastering a certain course is constantly monitored during classes and is presented in points. Maximum number of points obtained in a course is 100.

Students obtain points from a course through their work during classes, fulfilment of their prerequisites and taking the examination. The minimal number of points that can be obtained by a student after fulfilling prerequisites during the teaching process is 30, and the maximal one is 70.

Each course at the study programme has a clear and publicly known mode of obtaining points. The manner of obtaining points during classes includes a number of points given to a student on the basis of each individual type of activities during classes, or by fulfilling prerequisites and taking examinations.

A student's final achievement at a course is presented using grades from 5 (fail) to 10 (excellent). A student's grade is based on the overall number of points obtained on fulfilling prerequisites and taking the examination, and in accordance with the quality of acquired knowledge and skills.

A student can be able to take the examination from a given course if they have at least 15 ECTS credits from prerequisites. Additional conditions for taking the examination are defined individually for each course. Student's advancement during education is defined in the Regulations for Students at Master Studies.



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

Study Programme Accreditation

Civil Engineering



Standard 09. Teaching Staff

MASTER ACADEMIC STUDIES

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

Total number of lecturers is adequate to the demands of the study programme and depends on the number of courses performed and the number of classes per course. The total number of lecturers is adequate to cover the total number of classes at the study programme, so that each lecturer has in average 180 classes of active teaching (lectures, tutorials, practice, practical work,...) annually, i.e. 6 classes per week. Out of the total number of necessary teachers, all 100% is employed full-time.

The number of assistants is adequate for the demands of the study programme. The total number of assistants at the study programme is adequate to cover the entire number of classes at the programme, so that assistants have the average of 300 classes of active classes annually, i.e. 10 classes per week.

Scientific and professional qualifications of the teaching stuff are adequate to educational scientific field and the level of their obligations. Each teacher has at least five references from the narrow professional and scientific field in which they hold lectures at the study programme.

The number of students in a group for lectures is 32, practice groups have 16 students and laboratory practice groups have up to 8 students.

All data on lecturers and assistants (CV, title appointed, references) are available to the public.



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

Study Programme Accreditation

MASTER ACADEMIC STUDIES



Nam	Name and last name:					Bačkalić M. Todor					
Acad	emic title:					Associate Professor					
Nam	e of the inst	itution v	where the te	acher works full tir	ne and	Faculty of Te	chnical Scie	nces - Novi Sad			
starti	ng date:	- 1-1-				05.10.1992		-1			
Scier	ntific or art f	iela:	Veer	Institution							
Acad	emic carlee	er ootion:	Year	Institution				Field			
Acad	emic title el	ection:	2011		inglogiana Navi Ord			Transport System Technologies	5		
PhD	uiesis		2001	Faculty of Transc	nical Sciences - Novi Sad						
Magi	ster thesis		1996	Beograd	bont and manic Engineering -			Transport System Technologies			
Bach	elor's thesis	5	1992	Faculty of Techni	cal Sci	ences - Novi S	ad	Transport System Technologies	;		
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	gramme name, study type			
1.	S0216	6 Water Transport Technology					(S00) Traf Academic	fic and Transport Engineering, U Studies	ndergraduate		
				0,			(S01) Pos Undergrad	tal Traffic and Telecommunication uate Academic Studies	ns,		
2.	S0220	Organi	ization of W	ater Transport			(S00) Traf Academic	fic and Transport Engineering, Ui Studies	ndergraduate		
3.	S0I4N4	Proces	ss manager	nent in water trans	port		(S00) Traf Academic	fic and Transport Engineering, Ui Studies	ndergraduate		
4.	S0I51V	Water	ways and P	orts			(S00) Traf Studies	fic and Transport Engineering, M	aster Academic		
							(G00) Civil	Engineering, Master Academic S	Studies		
5.	S0I52V	Ship d	esign and e	exploatation of ship	S		(S00) Traf Studies	fic and Transport Engineering, M	aster Academic		
6.	S0I53V	Naviga	ation and ve	essel traffic control			(S00) Traf Studies	fic and Transport Engineering, M	aster Academic		
7.	LIM25	Transp	oort Techno	logies II			(LIM) Logi Academic	istic Engineering and Managemer Studies	nt, Master		
8.	S0MI12	Theory	/ of ship's n	notion and maneuv	erabilit	y	(S00) Traffic and Transport Engineering, Master Academic Studies				
9.	DSSB1	Water	transport m	odelling			(S00) Traf	fic Engineering, Doctoral Academ	nic Studies		
10.	DSSB6	Traffic	manageme	ent on inland water	ways		(S00) Traf	fic Engineering, Doctoral Academ	nic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)						
1.	Tehnolog 2005. (dr	ija vodn ugo izda	iog saobrać anje), Fakul	aja deo I - Plovna tet tehničkih nauka	prevozi , Novi \$	na sredstva, Eo Sad	dicija - "Tehr	ničke nauke - udžbenici", 2003. (p	prvo izdanje),		
2.	Eksploata	aciona s	vojstva bro	dskih dizel motora,	2001.,	Saobraćajni o	dsek Fakulte	eta tehničkih nauka, Novi Sad			
3.	Analysis Internatio	and Rea nal Con	allocation of	Relibility of Power Marine Industry "M	-Steeri IARIND	ng Group on S) "96" Volume	hips with "Z' III pg. 271-2	" Transmission", Proceedings of t 79, Varna, Bulgaria, 2-7 June 199	he First 96.		
4.	Modeling Industry "	of Vess MARIN	el Traffic P D "98", Vari	rocess in One-Way na, Bulgaria, Septe	/ Straits mber 2	s at Alternating 8-October 2 19	Passing, Th 998.	ne Second International Conferen	ce on Marine		
5.	Modelling Conferen) of Ves ce, Gyö	sel Traffic F r, Hungary,	Process at Controlle 11-13 June, 2003	ed Navi	gation on Artifi	cial Inland V	Vaterways, European Inland Wate	erway Navigation		
6.	Renewal and Qual	Process ity Mana	s of Power- agement D0	Steering Group on QM 2004, Belgrade	Motor (e, Serbi	Cargo Ships of a, 16-17 June,	MT-1500 S 2004., Proc	eries, International Conference - eedings pg. 120-124	Dependability		
7.	Fuzzy ap Szeged,	proach f Hungary	to modelling /, 11-13 Jur	g of the control of t	ne ship	locking proces	s, Europear	n Inland Waterway Navigation Co	nference,		
8.	8. Organizacija saobraćaja na plovnim kanalima u funkciji propusne sposobnosti plovnog puta										
9.	9. Upravljanje saobraćajem na veštačkim plovnim putevima ograničenih dimenzija u funkciji njihove propusne sposobnosti										
10.	Balkan A Macedon	rterial W ia, 1996	/aterway Da	anube-Morava-Dar	ube, Tl	he First Interna	itional Symp	oosium Macedonian Transport Co	rridors, Bitola,		
Sur	nmary data	for teac	her's scient	tific or art and profe	essiona	l activity:					
Quot	ation total :				0						
i otal	Total of SCI(SSCI) list papers : 0 Current projects : Domestic :					estic :	2	International ·			
	projecio	•			Dome			intornational .	l ~		



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Name and last name:					Bruijć S. Zoran				
					Assistant Professor				
Nom	of the inet	itution	where the to	acher works full time and	Faculty of Ter	chnical Scie	nces - Novi Sad		
starti	ng date:				01.07.1996				
Scier	ntific or art f	ield:			Constructions	in Civil Eng	gineering		
Acad	emic cariee	er	Year	Institution		Field			
Acad	emic title el	ection:	2008	Faculty of Technical Scie	ences - Novi Sa	ad	Constructions in Civil Engineering		
PhD	thesis		2008	Faculty of Technical Scie	ences - Novi Sa	ad	Civil Engineering		
Magi	ster thesis		2001	Faculty of Technical Scie	ences - Novi Sad Constructions in Civil Engineering				
Bach	elor's thesis	6	1993	Faculty of Technical Scie	ences - Novi Sa	nces - Novi Sad Constructions in Civil Engineering			
List o	f 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.	GG11	Funda	mentals in (Computing		(G00) Civi	I Engineering, Undergraduate Academic Studies		
2.	GG203	Actions	s on Structu	ires		(G00) Civi	I Engineering, Undergraduate Academic Studies		
3.	GG25	Theory	on Concre	ete Structures 1		(G00) Civi	I Engineering, Undergraduate Academic Studies		
4.	GG28	Theory	on Concre	ete Structures 2		(G00) Civi	I Engineering, Undergraduate Academic Studies		
5.	GG30	Concre	ete Structur	es		(G00) Civil	Engineering, Undergraduate Academic Studies		
6.	GG405	Finishi	ng Operatio	ons and Installation in Fac	ilities	(G00) Civil	Engineering, Undergraduate Academic Studies		
7.	Z202	Gradite	eljstvo i živo	otna sredina(uneti naziv na	a engleskom)	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
8.	GG37	Basics	of design i	n civil engineering structu	res	(G00) Civi	I Engineering, Undergraduate Academic Studies		
9.	GH407	Concre	ete structure	es - Hydrotechnics		(G00) Civil	Engineering, Undergraduate Academic Studies		
10.	GP406	Concre	ete structure	es - Roads		(G00) Civil	Engineering, Undergraduate Academic Studies		
11.	GG501	Concre	ete Constru	ction for Engineering Strue	ctures	(G00) Civil	Engineering, Master Academic Studies		
12.	GG505	Concre	ete Bridges			(G00) Civil	Engineering, Master Academic Studies		
13.	GG510	Assem	bled Concr	ete Structures		(G00) Civil	Engineering, Master Academic Studies		
14.	GG511	Specia	l Prestress	ed and Composite Concre	ete Structures	(G00) Civil	Engineering, Master Academic Studies		
15.	GG531	Odabra	ana poglavl	ja zidanih konstrukcija		(G00) Civil	Engineering, Master Academic Studies		
16.	GD015	Rheolo	ogy of Conc	rete Structures		(G00) Civi	I Engineering, Doctoral Academic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.	Starčev-0 11/12.20	Ćurčin A 13, Tech	, Rašeta A nnics Techn	., Brujić Z.: Automatic Ob ologies Education Manag	taining of the S ement / TTEM,	Strutt-and-Tio , 2013, Vol.	e Models for RC Plane Elements Vol. 8., No. 4., 8, No 4, ISSN 1840-1503		
2.	Brujić Z., 2001	Folić R.	: Slendern	ess ratio criterion of reinfo	rced concrete	columns, Bu	Illetins for Applied and Computer Mathematics,		
3.	Folić R., I ISSN 013	Brujić Z. 33-3526	: Dynamic	analysis of columns made	e of time-deper	ident materi	als, Bulletins for Applied Mathematics, 1996,		
4.	Folić R., I ISSN 013	Brujić Z. 33-3526	: Stability o	of compressed columns ad	ccording to line	ar creep the	eory, Bulletins for Applied Mathematics, 1996,		
5.	Starčev-C Građevin 978-86-8	Ćurčin A arstvo n 2707-21	., Rašeta A lauka i prak -9	., Brujić Z.: STRUT-AND- sa, Žabljak: Univerzyitet C	TIE MODELS Crne Gore, Gra	OF REINFC đevinski fak	RCED CONCRETE PLANE MEMBERS, 4. ultet, 20-24 Februar, 2012, pp. 329-336, ISBN		
6.	Brujić Z.: Internatio and Struc 978-86-8	Optima nal Syn tures, T 7615-02	al design of nposium ab ara: Društv 2-1	rectangular RC cross-sec out Research and Applica o za ispitivanje i istraživar	tions subjectec tion of Modern nje materijala i	l to uni-axial Achieveme konstrukcija	bending according to Eurocode 2, 1. nts in Civil Engineering in the Field of Materials Srbije, 19-21 Oktobar, 2011, pp. 243-250, ISBN		
7.	Starčev-0 about Re Društvo z	Ćurčin A search a a ispitiv	, Rašeta A and Applica anje i istraž	., Brujić Z.: Optimization o tion of Modern Achieveme tivanje materijala i konstru	of RC Plane Ele ents in Civil Ene kcija Srbije, 19	ements by S gineering in -21 Oktobar	Strut-and-Tie Models, 1. International Symposium the Field of Materials and Structures, Tara: r, 2011, pp. 195-202, ISBN 978-86-87615-02-1		
8.	8. Folić R., Brujić Z., Lekić R.: Condition assesment and design of structures for water aerator Naziv skupa: 11th Internationa Conference Structural Faults Repair-2006, UDK: Abstracts p. 139-140 CDRom – OBUL-FOL-B								
9.	Folić R., Symposiu	Brujić Z. um of M	: Numerica athematics	al analysis of Reinforced C and its Applications	Concrete Slend	er Columns	Design Procedures Naziv skupa: The Ninth		
10.	Folić R., I on Eartho	Lađinovi quake E	ić Đ., Brujić ngineering	Z.: Analysis and Design ISEE 2000 Proceedings, U	of RC Structure JDK: 624.042.	es According 7 (082) (063	g to EC 8 Naziv skupa: International Symposium		
Sun	Summary data for teacher's scientific or art and professional activity:								

STAS STUD		UNIVERSITY OF NO	/I SAD		WYKNX HA					
OR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6									
THE SEA	Study F	Con Con								
PLANTEN	MASTER ACADEMIC STUDIES			Civil Engineering	HO					
Quotation total :		0								
Total of SCI(SSCI)	list papers :	0								
Current projects :		Domestic :	1	International :	0					



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Nam	Name and last name:					Cekić D. Zoran					
Acad	lemic title:					Full Professo	r				
Nam starti	e of the inst ng date:	itution v	vhere the te	acher works full tin	ne and	-					
Scie	ntific or art f	ield:				Organization,	Constructio	n Tec	hnology and Management		
Acad	lemic cariee	er	Year	Institution					Field		
Acad	lemic title el	ection:	2011	University Union	Nikola Tesla - Beograd			Orga Mana	nization, Construction Tech agement	nnology and	
PhD	thesis		2004	Faculty of Civil E	ngineering - Beograd			Orga Mana	nization, Construction Tech agement	nnology and	
Magi	ster thesis		2001	Faculty of Civil E	ngineer	ring - Beograd		Orga Mana	nization, Construction Tech agement	nology and	
Bach	achelor's thesis 1991 Faculty of Civil Engine					ring - Beograd		Cons	structions in Civil Engineering	ng	
List o	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	S				
	ID	ID Course name Study programme name, study type									
1.	GM510	GM510 Management of International Projects (G00) Civil Engineering, Master Academic Studies									
2.	GD025 Selected topics in project management in construction (G00) Civil Engineering, Doctoral Academic Studies										
Rep	oresentative	reffere	nces (minim	num 5, not more th	an 10)						
1.	Cirovic, C "Kyberne Press, Br	6. and C tes", No adford,	ekic, Z. (20 . 6, Vol 31, ISSN 0368-	02) "Case Based F pp. 896-908, 'Offic -492X, UK, 2002	Reason ial Jou	ing Model appl rnal of the Worl	ied as a dec d Organisat	ision s ion of	support for construction pro Systems and Cybernetics,	jects", MCB Univ.	
2.	Cekic, Z. 56, No 1,	(2002) ⁽ Januar	"Methodolo 2002, strar	gy of IT-enabled Pi nd. 7-16	rocess	Change in the	Constructio	n Indu	stry", "Tehnika - Naše građe	evinarstvo" Vol	
3.	Cekic, Z. 42-50	(2002)	"Integration	of Computer Appli	cation	in Construction	", "Izgradnja	a", Vol	56, No 1-2, Januar-Februa	r 2002, strane.	
4.	Cekic, Z.	(2004)	"IT protocol	of construction pro	oject pr	ocess", "Izgrad	Inja" , Vol 58	8, No ′	1-2, Januar-February 2004,	strane 5-11	
5.	Cekic, Z. strane. 1	(2004) ⁽ - 8	"Strategic Ir	nformation System	of Con	struction Comp	any", "Tehn	iika - N	laše građevinarstvo" , Vol 5	58, No 6, 2004,	
6.	Cekic, Z. Vol 58, N	(2004) ' o 10, O	"Neural Net ctobar 2004	work Model Applie I, strane 257 - 267	d in Int	ernational Proje	ect Portfolio	and C	orporate Strategy Developi	ng", "Izgradnja",	
7.	Cekic, Z. Organiza	(2004) ' tional S	"Application ciences, Un	of Delphi Method	in Sele e, Year	ction of Interna IX, No 36, Dec	tional Projectional Projection	cts", "N 4, pp. /	Aanagement" Monthly Revie	ew of Faculty of	
8.	Cekic, Z. according	(2005) ' g to the	"Influence o porter Diam	of the National Envi iond Framework", "	ronmer Tehnik	nt on the Intern a - Naše građe	ational Com vinarstvo",	peteti Vol 59	veness of Serbian Construc), No 4, 2005, strane 1 - 12	tion Companies	
9.	Cekic, Z. "Izgradnja	(2005) ' a", Vol ("Application 59, No 10-1	of Delphi Method 1, November 2005	in Sele , strane	ction of Interna e 389 - 396	tional Comp	oetitive	Advantages of Construction	n Companies",	
10.	Cirovic, C "Izgradnja	and Co a", Vol 6	ekic, Z. (200 60, No 3-4, <i>I</i>	06) "Case-Based R April 2006, strand.	easoni 55 - 62	ng Applied in F	Preliminary D	Design	Phase of Construction Pro	jects",	
Sur	nmary data	for teac	her's scient	tific or art and profe	essiona	I activity:					
Quot	ation total :				0						
Tota	otal of SCI(SSCI) list papers : 1										
Curr	rrent projects : Domestic : 2 International : 0										



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Name	e and last n	ame:				Ćirović S. Goran			
Acad	emic title:					Guest Professor			
Name startir	e of the inst	itution w	here the te	acher works full tin	ne and	-			
Scien	tific or art f	ield:				Organization,	Constructio	n Technology and Management	
Acad	emic cariee	er	Year	Institution				Field	
Acad	emic title el	ection:	2009					Organization, Construction Technology and Management	
PhD 1	thesis		1994	Faculty of Civil Er	ngineer	ring - Beograd		Organization, Construction Technology and Management	
Magis	ster thesis		1987	Faculty of Civil Er	ngineer	ring - Beograd		Organization, Construction Technology and Management	
Bach	elor's thesis	3	1982	Faculty of Civil Er	ngineer	ring - Beograd		Organization, Construction Technology and Management	
List o	f courses b	eing hel	d by the tea	acher in the accred	lited stu	udy programme	s		
	ID	Course	e name				Study pro	gramme name, study type	
1.	GG519	Buildin	g Managen	nent			(G00) Civil	Engineering, Master Academic Studies	
2.	GI531	Applica	ation of GN	SS systems			(GI0) Geo	desy and Geomatics, Master Academic Studies	
3.	GI540	Valuati	ion of real e	estate			(GI0) Geo	desy and Geomatics, Master Academic Studies	
4.	SDGI3A	Selecte	ed topics in	the valuation of bu	ildings		(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
5.	SDGI4A	Selecte	ected chapters of Land Management				(GI0) Geodesy and Geomatics, Specialised Academic Studies		
6.	SDGI6A	Selecte	ected Chapters in Appraisal				(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
	7. GD021 Selected Chapters in Process Modelling in Co						(G00) Civi	I Engineering, Doctoral Academic Studies	
7.						Construction	(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
Rep	resentative	refferer	nces (minim	num 5, not more tha	an 10)				
1.	 Ćirović, G., editor in chief, International congress Sport Facilities / Standardizations and Trends SPOFA 2011, University of Belgrade, Faculty of Sport and Physical and Education Serbia, ISBN: 9788680855774 Belgrade 2011, pp. 195. 								
2.	Ćirović, G Belgrade	6., editor , Faculty	in chief, Ir	nternational congre nd Physical and Ec	ess Spo Iucatior	ort Facilities / C n Serbia, ISBN	urent Positio 978868025	on and Perspectives SPOFA 2009, University of 55576 Belgrade, 2009, pp. 215.	
3.	Ćirović,G adaptive In press	.,Pamuč neuro-fu	čar, D.:Deci izzy system	sion support mode n, Expert Systems v	l for pri with Ap	oritizing railway plications, ISSI	/ level cross N: 0957-417	ings for safety improvements: Application of the 4 , http://dx.doi.org/10.1016/j.eswa.2012.10.041,	
4.	Ćirović, C Journal o	6.,Rador f Civil Ei	njanin, N.,T ngineering	rivunic, M., Nikolić, and Management,	D., Op to be a	otimization of ul oppear 2013	npfrc beams	subjected to bending using genetic algorithms,	
5.	Ćirović G model us godina.	, Pamuč ing gene	ar D., Đorc etic algorith	ović B., Sekulovic D m ", International J)., "Opt ournal	imizing a multi- of the Physical	product and Sciences, I	l multi-supplier the economic production quantity SSN 1992 - 1950, vol 7(2), pp. 262-272, 2012	
6.	Peško,I., networks	Trivunić , Tehnič	,M., Ćirović ki vjesnik, t	c,G., Mučenski, V., o be appear 2013.	A preli	minary estimate	e of time and	d cost in urban road construction using neural	
7.	Regodić, classifica	M., Sek tion by ι	ulović, D., (ising multi-	Ćirović, G., Tadić, \ spectral spot 5 ima	√., Drol ges, Te	bnjak, S., Comj echnics Techno	parative ana plogies Educ	llysis of pixel-based and object-oriented cation Management - TTEM, Vol. 8., No. 1., 2013.	
8.	Ćirović, G logistic su	6., Sekul upport, T	lović, D., Pa Technics Te	amučar, D., Regod chnologies Educat	ić, M., <i>I</i> tion Ma	Application of funder of funder and the second seco	uzzy logic in EM, Vol. 8.,	the process of vehicle routing optimization in No. 2., 2013.	
9.	Pamučar and analy vol 7(1), p	D., Đoro /tic netw op. 24 -	ović B., Bož vork approa 37, 2012 go	źanić D., Ćirović G. ch (anp) through a odina.	, "Modi pplicati	fication of the o on of fuzzy app	dynamic sca broach", Scie	le of marks in analytic hierarchy process (ahp) entific Research and Essays, ISSN 1992 - 2248,	
10.	Bakrac, S accuracy str. 224-2	5., Anđel of deter 31, 201	lić, S., Ćirov mining the 2.	vić G., Pamucar, D orientation of medi	., Seku eval ch	lovic D., "Using nurches in Serb	a method o ia ", Metalui	of decoding aerial photographs in analyzing the rgia international, ISSN 582-2214, vol. 17 br. 11,	
Sun	nmary data	for teac	her's scient	tific or art and profe	essiona	I activity:			
Quota	ation total :				18				
Total	of SCI(SSC	CI) list pa	apers :		2				
Current projects : Do					Dome	estic :	1	International : 1	



Study Programme Accreditation



MASTER ACADEMIC STUDIES

Civil Engineering

Nam	e and last n	ame.	Name and last name:								
Acar	lemic title:	anic.				Full Professor					
Nom	o of the inst	itution v	whore the te	achor works full tim	o and	Faculty of Sciences - Novi Sad					
starti	ng date:					20.02.1978					
Scier	ntific or art f	ield:				Chemist Scie	nce				
Acad	lemic cariee	er	Year	Institution		•		Field			
Acad	lemic title el	ection:	1996	Faculty of Science	es - No	ovi Sad		Chemist Science			
PhD	thesis		1984	Faculty of Science	es - No	ovi Sad		Chemist Science			
Magi	ster thesis		1981	Faculty of Science	es - No	ovi Sad		Chemist Science			
Bach	elor's thesis	\$	1975	Faculty of Mathem	natics	- Beograd		Chemist Science			
List o	of courses b	eing he	ld by the tea	acher in the accredi	ted stu	udy programme	es				
	15										
	ID	Course	e name				Study pro	gramme name, study type			
1.	GH504	Water	Quality				(G00) Civil	Engineering, Master Academic S	Studies		
2.	MPK024	Waste	water Treat	ment Process Desig	gn		(MPK) Inžo naziv na er	enjerstvo tretmana i zaštite voda ngledskom), Master Academic St	- TEMPUS(uneti udies		
3.	MPK025	Drinkir	ng Water Tr	eatment Process D	esign		(MPK) Inžo naziv na er	enjerstvo tretmana i zaštite voda ngledskom), Master Academic St	- TEMPUS(uneti udies		
Rep	oresentative	reffere	nces (minin	num 5, not more tha	in 10)						
1.	Tričković organic n	J., Ivan natter. C	čev-Tumba)rganic Geo	s I., Dalmacija B., N chemistry 38/10, 17	likolić 757-17	A., Trifunović S 769.	6. (2007) Per	nthachlorobenzene sorbtion onto	sediment		
2.	Prica, M., Dalmacija, B., Dalmacija, M Agbaba, J., Krcmar, D., Trickovic, J., Karlovic, E. (2010) Changes in metal availability during sediment oxidation and the correlation with the immobilization potential, EcoToxicology and Environmental Safety, 73(6), 1270, 1277										
3.	Dalmacija AND Cr I	a M., Pri N STAB	ca M., Daln ILIZED/SO	nacija B., Rončević LIDIFIED MATERIA	S., Kla ALS. S	ašnja M. (2011) cience of the T) QUANTIFY otal Environ	ING THE ENVIRONMENTAL IM ment, 412-413, 366-374.	PACT OF As		
4.	Molnar J. structure	, Agbab of haloa	a J., Dalma	cija B., Rončević S. precursors in ground	., Prica	a M., Tubić A. (. Environmenta	2012) Influe al Science ar	nce of pH and ozone dose on the nd Pollution Research, 19, 3079-	e content and 3086.		
5.	Mohora E and arse	., Ronč nic from	ević S., Dal water by el	macija B., Agbaba ectrocoagulation/flo	J., Wa otation	tson M., Karlov continuous flo	vić E., Dalma w reactor, Jo	acija M. (2012) Removal of natura ournal of Hazardous Materials, in	al organic matter press		
6.	Dalmacija effectiver Environm	a, M., Pr less of i lent 10,	rica, M., Da mmobilizati 1–19.	macija, B., Rončevi on treatment of lead	ić, S., d- and	Rajić, L. (2010 cadmium-cont) Correlation aminated se	between the results of sequentia diment, TheScientificWorldJOUR	al extraction and RNAL: TSW		
7.	J. Molnar and TiO2 Total Env	, J. Agb -catalyz rironmer	aba, B. Dal ed ozonatio nt, 425, 169	macija, M. Klašnja, on on the selected c -75.	M. Da hIorine	Ilmacija, M. Kra e disinfection b	gulj (2012) / y-product pr	A comparative study of the effect: ecursors content and structure, S	s of ozonation Science of the		
8.	Ljiljana R lead remo Electroch	ajić, Bo: oval fror imica A	žo Dalmacij n sediment: cta, doi: 10	a, Milena Dalmacija Utilizing the movin 1016/j.electacta.20	a, Srđa g anoo 12.02.	an Rončević, S [.] de technique ai .029.	vetlana Ugai nd increasing	rčina Perović (2012) Enhancing e g the cathode compartment lengt	electrokinetic h,		
9.	Velimirov risk asse	ić M., P ssment	rica M., Dal of the meta	macija B., Rončević ls in sediment after	ć S., D aging,	almacija M., Be , Water Air Soil	ečelić M., Tri Pollut. 214 (ičković J. (2011) Characterisatior (1-4) 219-229.	n, availability and		
10.	Miljana P Changes Environm	rica, Bo in meta ental Sa	zo Dalmaci I availability afety, 73(6)	ja; Milena Dalmacija v during sediment ox , 1370-1377.	a; Jası xidatio	mina Agbaba; I on and the corre	Dejan Krcma elation with t	r; Jelena Trickovic; Elvira Karlovi he immobilization potential, EcoT	c, (2010) oxicology and		
Sur	nmary data	for teac	her's scient	tific or art and profe	ssiona	al activity:					
Quot	ation total :				241						
Tota	of SCI(SS	CI) list p	apers :		53						
Current projects : Domestic : 2 International : 4					4						



Study Programme Accreditation



Civil Engineering

Name and last name:					Dražić J. Jasmina			
Acad	emic title:				Associate Professor			
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:				26.06.1985			
Scier	ntific or art f	ield:			Building Engi	neering - Co	onstruction and Architectural Constructions	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2010	Faculty of Technical Scie	ences - Novi Sa	ad	Building Engineering - Construction and Architectural Constructions	
PhD	thesis		2005	Faculty of Technical Scie	ences - Novi Sa	ad	Civil Engineering	
Magi	ster thesis		1993	Faculty of Technical Scie	ences - Novi Sa	ad	Civil Engineering	
Bach	elor's thesis	5	1982	Faculty of Technical Scie	ences - Novi Sa	ad	Civil Engineering	
List c	f courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study programme name, study type		
1.	A374	Projec	t and Const	ruction Management 1		(A00) Arch	nitecture, Undergraduate Academic Studies	
2.	GG13	Buildin	ig Engineer	ing 1		(G00) Civi	I Engineering, Undergraduate Academic Studies	
3.	GG16	Buildin	ig Engineer	ing 2		(G00) Civi	I Engineering, Undergraduate Academic Studies	
4.	GG31	Techn	ology and B	Building Organization 1		(G00) Civil	Engineering, Undergraduate Academic Studies	
5.	GG33	Techn	ology and B	Building Organization 2		(G00) Civil	Engineering, Undergraduate Academic Studies	
6.	GG404	Precas	sting and As	sembly Technology		(G00) Civil	Engineering, Undergraduate Academic Studies	
7.	URZP22	Safety Aspects in the Built Environment				(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
8.	ZR302A	Safety at work in construction				(Z01) Safe	ety at Work, Undergraduate Academic Studies	
9.	ZRI43A	Manag	ement of sa	afety at work process in co	onstruction	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
10.	A394	Projec	t and Buildii	ng Management 2		(AH0) Arch	itecture, Master Academic Studies	
11.	GG520	Indust	rial Methods	s in Construction		(G00) Civil	Engineering, Master Academic Studies	
12.	GM501	System Theory and System Analysis				(G00) Civil	Engineering, Master Academic Studies	
13.	ZP514	Planni catastr	ng and orga ophic conse	anizing activities during ev equences	ents with	(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies	
Rep	oresentative	reffere	nces (minim	num 5, not more than 10)				
1.	Letić M., 28-9	Dražić J	I.: Zgradars	stvo, Novi Sad, Univerzitet	t u Novom Sad	u Fakultet te	ehničkih nauka, 2001, str. 1-189, ISBN 86-80249-	
2.	Trivunić M FTN Novi	∕I., Draž i Sad, A	ić J.: Monta GM knjiga E	aža betonskih konstrukcija 3eograd, 2009, str. 1-277,	a zgrada, Drugo ISBN 978-86-	o dopunjeno 86363-19-0	izdanje, Beograd, Univerzutet u Novom Sadu,	
3.	Dražić J.: (2009) 3-	Conce 4, pp. 2	ptual desig 1-35, ISSN	ning of aseismic structure 0543-0798, UDK: 699.84	s-evaluation of 1=861	design solu	tion, Materijali i konstrukcije, 2009, Vol. 1, No 52	
4.	Dražić J.: 0040-217	Vredn 6	ovanje i opt	imizacija montažnih konst	rukcija-tehnolo	ški aspekt,,	Tehnika, 2010, Vol. 1, br 3, str. 103-111, ISSN	
5.	Dražić J.: ISSN 035	Resur 0-5421	si za planira , UDK: 624.	anje proizvodnje elemenat 91.021.4:725.4	a konstrukcija	montažnih h	nala, Izgradnja, 2010, Vol. 1, br 3-4, str. 155-161,	
6.	Dražić J., Internatio Agricultur pp. 183-1	Mučen nal Scie e and F 87, ISB	ski V., Trivu entific Confe orestry in B N 978-80-7	nić M., Peško I.: Influenc erence Peeople, Building a prno, Fakulty of Civil Engin 204-660-7	e a risk of asse and Environme neering, Fakulty	embly proces nt, Brno: Un / of Forestry	ss realization on the choice of assemby metod, 1. iversity of Technology and Mendel University og and Wood Technology , 26-27 Novembar, 2009,	
7.	Dražić J., nauka i p 82707-18	Folić R raksa, Ž -9	, Lađinović Zabljak: Univ	 Đ.: Influence of design s verzitet Crne Gore, Grade 	olution of struc vinski fakultet u	tural behavi u Podgorici,	our under seismic actions, 3. Građevinarstvo 15-20 Februar, 2010, pp. 481-487, ISBN 978-86-	
8.	Dražić J., Research Materials	Trivuni and Ap and Str	ć M., Mučer oplication of ructures Tes	nski V., Peško I.: Prefabri Modern Achievements in sting of Serbia, 19-21 Okto	cation in the Co Civil Engineer obar, 2011, pp.	ontext of Su ing in the Fie 471-478, IS	stainability, 1. International Symposium about eld of Materials and Structures, Tara: Society for BBN 978-86-87615-02-1	
9.	Dražić J.: Modern A Testing o	Config chiever f Serbia	uration of th ments in Civ , 19-21 Okt	ne Seismically Resistant E /il Engineering in the Field obar, 2011, pp. 351-358,	Buildings, 1. Int I of Materials a ISBN 978-86-8	ernational S nd Structure 7615-02-1	symposium about Research and Application of es, Tara: Society for Materials and Structures	
10.	Dražić J., Građevin 2358, ISE	Maleše arstvo n 3N 978-	ević E., Alek auka i prak 86-82707-2	sić I.: Influence of Life Cy sa, Žabljak: Univerzitet Cr 1-9	/cle Costs on tł ne Gore, Građ	ne Choice of evinski faku	f Optimal Variation of Floor Covering, 4. ltet u Podgorici, 20-24 Februar, 2012, pp. 2351-	
Sur	Summary data for teacher's scientific or art and professional activity:							

STAS STUD			WUKNX HA				
OR	FACULTY OF TECHNICAL SCI						
ZROPLANTEN	Study P	DN Civil Engineering	HORN				
Quotation total :		0					
Total of SCI(SSCI)	list papers :	0					
Current projects :		Domestic :	2	International :	0		



Study Programme Accreditation



MASTER ACADEMIC STUDIES

Civil Engineering

Name and last name:				Đogo B. Mitar						
Acad	lemic title:					Full Professor				
Nam	e of the inst	itution v	vhere the te	acher works full tin	ne and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:					05.12.1986				
Scier	ntific or art f	ield:				Geotechnics				
Acad	lemic cariee	er	Year	Institution				Field		
Acad	lemic title el	ection:	2010	Faculty of Technie	cal Sci	ences - Novi S	ad	Geotechnics		
PhD	thesis		1996	Faculty of Technic	cal Sci	ences - Novi S	ad	Geotechnics		
Magi	ster thesis		1992	Faculty of Technie	cal Sci	ences - Novi S	ad	Geotechnics		
Bach	elor's thesis	5	1986	Faculty of Technie	cal Sci	ences - Novi S	ad	Civil Engineering		
List c	of 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.	A309	Soil M	echanics ar	nd Foundations			(A00) Arch	nitecture, Undergraduate Academ	ic Studies	
2.	GG24	Soil M	echanics				(G00) Civi	I Engineering, Undergraduate Aca	ademic Studies	
3.	GG32	Found	ation				(G00) Civi	I Engineering, Undergraduate Aca	ademic Studies	
4.	GI505	Advan Monito	ced Technio oring	ques in Geodetic D	esign a	and	(GI0) Geo Studies	desy and Geomatics, Undergradu	ate Academic	
5.	GP404	Geote	chnics				(G00) Civil	Engineering, Undergraduate Aca	demic Studies	
6.	URZP18	Stability of terrain					(ZP0) Disa Undergrad	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
7.	GG37	Basics of design in civil engineering structur			res	(G00) Civi	I Engineering, Undergraduate Aca	ademic Studies		
8.	GG506	506 Professional Practice				(G00) Civil	Engineering, Master Academic S	tudies		
9.	GP504	Tunnels				(G00) Civil	Engineering, Master Academic S	tudies		
10.	MPK017	K017 Fundamentals of Geosciences				(MPK) Inž naziv na er	enjerstvo tretmana i zaštite voda - ngledskom), Master Academic Stu	- TEMPUS(uneti udies		
11.	GD002	Select	ed Chapters	s in Foundation			(G00) Civi	I Engineering, Doctoral Academic	Studies	
Rep	oresentative	reffere	nces (minim	num 5, not more tha	an 10)					
1.	Uplift test D., Djogo	results , M., (19	of piles. 9 t 990)	h Danube Europea	in Conf	ference on Soil	Mechanics	and Found. Eng., pp.158-163, Bu	dapest. Milovic,	
2.	Settlemer Firenze. I	nt of circ Milovic,	cular founda D., Djogo, M	ation of any rigidity. M., (1991)	10 th E	European Conf	erence on S	coil Mechanics and Found. Eng., p	op. 497-500,	
3.	Stresses Manitoba	and set . Milovio	tlements of c, D., Djogo	circular foundation , M., (1991)	of any	rigidity. 13 th (Canadian co	ngress of applied mechanics, pp.	257-258,	
4.	Rectangu Engineer	ilar raft o ing, pp.	of any rigidi 857-858, M	ty on the layer of lir lilovic, D. Djogo, M.	mited tl . Hamb	hickness. XIVth burg., (1997)	Internation	al Conference on Soil Mechanics	& Foundation	
5.	A pile loa Conferen	ded by l ce on S	horizontal fo oil Mechani	orce and moment – cs and Geotechnic	theore al Engi	etical and field l ineering, Vol. 4	oad test res , pp. 2023-2	ults. Proceedings of the 16 th Inte 2026, Osaka. Milovic, D., Djogo, N	ernational I., (2005)	
6.	Greške u	fundira	nju. Monogi	afija. Fakultet tehn	ičkih na	auka, str. 1-438	3, Novi Sad.	Milović, D., Đogo, M., (2005)		
7.	Đogo, M. Engineer 10.1680/g	, Vasić, ing, Volu geng.20	M., (2011): ume 164, Is 11.164.1.3	Landslide in the ar sue 1, pp. 3-10, Th	rea of ti nomas	he bridge on th Telford, Londoi	e Danube in n. ISSN: 135	Novi Sad. Proceedings of the IC 53-2618, E-ISSN: 1751-8563, DO	E - Geotechnical I:	
8.	Đogo, M. in the zor 142, Spri	, Vasić, ne of the nger, Be	M., Ćosić, I e old Petrov erlin. ISSN:	M., (2011): Enginee aradin Fortress. Bu 1435-9529, E-ISSN	ering ge Illetin o N: 1435	eological evalu of Engineering (5-9537, DOI: 10	ation of the Geology & th 0.1007/s100	conditions for constructing a bridg ne Environment, Volume 70, Num 64-010-0292-0	e and a tunnel ber 1, pp. 139-	
9.	Milović, E	., Đogo	, M., (2009)	: Analysis of piled	raft fou	Indation. Mater	als and stru	ctures 3-4. pp. 3-20, Beograd.		
10.	Milović, E 428, Nov)., Đogo i Sad.	, M., (2009)): Problemi interakc	ije tlo -	- temelj - konsti	ukcija. Mon	ografija. SANU - Ogranak u Novo	m Sadu, str. 1-	
Sur	nmary data	for teac	her's scient	ific or art and profe	essiona	al activity:				
Quot	ation total :				7					
Total	of SCI(SS	CI) list p	apers :		2					
Current projects : Domestic					Dome	estic :	2	International :	0	



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering



Name and last name:				Được V. Duško						
Acad	lemic title:	unic.				Associate Professor				
Nom	o of the inet	itution	whore the to	achor worke full tip	an and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				ie aliu					
Scientific or art field				Hydrotechnic	3					
Acad	lemic caries	er	Year	Institution		,	_	Field	1	
Acad	lemic title el	ection:	2010					Hvd	otechnics	
PhD	thesis		1999	Faculty of Civil Er	ngineer	ring - Beograd		Hyd	rotechnics	
Magi	ster thesis		1987	Faculty of Civil Er	ngineer	ring - Zagreb		Hyd	otechnics	
Bach	elor's thesis	6	1977	Faculty of Civil Er	ngineer	ring - Beograd		Hyd	otechnics	
List o	of courses b	eing he	ld by the tea	acher in the accred	ited stu	udy programme	S			
	ID	Course	e name				Study pro	gramı	ne name, study type	
1.	GG18	Funda	mentals in I	Hydromechanics ar	nd Hyd	rotechnics	(G00) Civi	l Engi	neering, Undergraduate Aca	ademic Studies
2.	GG301	Hydrot	echnical Fa	cilities and System	is		(G00) Civi	l Engi	neering, Undergraduate Aca	ademic Studies
3.	GG408	Munici	pal Hydrote	chnics			(G00) Civil	Engir	neering, Undergraduate Aca	demic Studies
4.	GH405	River F	Regulation a	and Flood Protectic	n		(G00) Civil Engineering, Undergraduate Academic Studies			
5.	A702	2 Architectural Technology 3				(A00) Arch	nitectu	re, Undergraduate Academ	ic Studies	
6.	GH402	2 Hydrotechnical Structures				(G00) Civil	Engir	neering, Master Academic S	itudies	
7.	MPK004	Fundamentals of Hydromechanics and hydrotechinc			rotechinc	(MPK) Inžo naziv na er	enjers ngleds	tvo tretmana i zaštite voda skom), Master Academic Stu	- TEMPUS(uneti udies	
8.	MPK018	River E	Basin Mana	gement			(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies			
Rep	oresentative	reffere	nces (minim	num 5, not more tha	an 10)					
1.	Snadbeva	anje voc	lom za piće	, Arhitektonsko-gra	devins	ki fakultet Banj	a Luka, 200	1 (stra	ana 1-234)	
2.	"Interakci sredine",	ja urbar Zbornik	nih hidroteh radova (str	ničkih sistema" - M .50-63), Urbanistič	eđunro ki zavo	dna konferenci d Republike Sr	ja i seminar pske, a.d Ba	"Odra anja L	źiva rehabilitacija gradskih s uka, 2001.godine	istema i životne
3.	Uticaj suš Republike	se na vo e Srpske	dne resurse e Banja Luk	e" , Zbornik radova a, Udruženje urbar	sa sim nista Sr	pozijuma" Stra bije - Beograd,	tegije razvoj str.416-422	ja gra 2,2001	dova i saobraćaj"-Urbanistič .godine	čki zavod
4.	APPLICA		F HYDROE D STREAM	DYNAMICAL MODI S SIMULATION, N	ELS IN is 2006	REDUCING T	HE INDETE ERSITATIS	RMIN , Univ	ACY OF THE INPUT PARA rersity of Nis.	METERS FOR
5.	Dr. Duško područje	o Đurić o slivova	dipl. inž. gra rijeke Save	ađ. : "Problemi zašt , Sarajevo 2005. go	ite izvo odine, k	orišta Grmić u B or. 41, str. 17	ijeljini" - Vo 22.	da i m	i, časopis Javnog preduzeć	a za vodno
6.	Duško Đu Konferen tehničara	urić: "Pri cija Sav Novi Sa	mena hidro remena pra ad, Zbornik	dinamičkih modela iksa - Fakultet tehn radova str. 55 – 68	u sma iičkih na 3. Novi	njenju neodređ auka Institut za Sad, 15 i 16. m	ienosti ulazr a građevina art 2006.	nih pa rstvo l	rametara za simulaciju podz Novi Sad, Društvo građevins	zemnih tokova", skih inženjera i
7.	Svetomir drugi kon	Prokić, gres Kla	Duško Đuri adovo 2003	ć, Miomir Arsić: "Re Zbornik radova, k	etenzio njiga 1	ni kapacitet ak , str 269 - 276.	umulacije B	očac"	– Jugoslovensko društvo za	a visoke brane,
Sur	nmary data	for teac	her's scient	tific or art and profe	essiona	l activity:				
Quot	ation total :				0					
Tota	of SCI(SS	CI) list p	apers :		0					
Current projects : Domestic : 3 Inte					International :	2				



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

Name and last name: Folić J. R			Folić J. Rado	. Radomir				
Acad	emic title:				Emeritus Professor			
Name of the institution where the teacher works full time and Facult			Faculty of Tee	Ity of Technical Sciences - Novi Sad				
starti	ng date:				01.03.1980			
Scientific or art field:			Constructions	Constructions in Civil Engineering				
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic 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) Arch	nitecture, Specialised Academic Studies	
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
	40000	Osisati		le Mardh e d		(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
1.	A002S	Scientific Research Method				(112) Indus	strial Engineering, Specialised Academic Studies	
						(I22) Engi Studies	neering Management, Specialised Academic	
						(Z00) Environmental Engineering, Specialised Academic Studies		
2.	GG505	Concre	Concrete Bridges			(G00) Civil	Engineering, Master Academic Studies	
3.	GS015	Scientific Research Method				(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	
4.	4. A120S Proces, principi i tehnike naučnog istraživanja-oda			nja-odabrana	(A00) Arch	nitecture, Specialised Academic Studies		
5.	GG531	Odabrana poglavlja zidanih konstrukcija				(G00) Civil	Engineering, Master Academic Studies	
6.	DGI002	Selecte	ed Chapters	s in Engineering Geodesy		(GI0) Geo	desy 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) 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	I Engineering, Doctoral Academic Studies	
_	D7004	Calanti	fa Daaaaa			(GI0) Geo	desy and Geomatics, Doctoral Academic Studies	
1.	D2001	Scienti	ific Researc	n Method		(H00) Mechatronics, 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	thematics in Engineering, Doctoral Academic	
						(S00) Traf	fic Engineering, Doctoral Academic Studies	
						(Z00) Env	ironmental Engineering, Doctoral Academic	
						310018S	atv at Work, Doctoral Acadomic Studios	
0	A 100	Proces	s, principi i t	ehnike naučnog istraživar	nja - odabrana	(A00) Arct	hitecture. Doctoral Academic Studies	
Ő.	A 120	poglav	lja(uneti na	ziv na engleskom)	tific research	(000)		
9.	GD027	- selec	s, principle	s and techniques of scien	und research	(G00) Civi	I Engineering, Doctoral Academic Studies	
Rep	oresentative	reffere	nces (minim	num 5, not more than 10)				

UNIVERSITY	OF	NOVI	SAD
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Study Programme Accreditation

MASTER ACADEMIC STUDIES



Rep	presentative refferences (minimum 5, not more th	an 10)						
1.	Folić, R. (1983): Spojevi i veze montažnih betonskih zgrada. U knjizi Montažni građevinski objekti, (Ed. B. Žeželj, A.Flašar) Ekonomika, Beograd, str. 117-167. (9 autorskih tabaka)							
2.	Folić, R. (1983): Statika konstrukcija - Zbirka rešenih zadataka. FTN IIG, Novi Sad, str. 1-486. II izdanje (1987). III izdanje Građevinska knjiga, Beograd (1991).							
3.	Folić, R., Tatomirović, M. (1999): Spregnute be Građevinski kalendar, 2001, str. 217-290	etonske konstrukcije-l	deo. Građevinski	kalendar, 1999. str. 289-38	6; II deo,			
4.	Folić, R. (1991): Classification of damage and - Journal, Chapman & Hall, Vol. 24, pp. 276-28	its causes as applied t 85.	o precast concre	te buildings. Material and S	tructures. RILEM			
5.	Folić, R., Ivanov, D. (1991): In situ behaviour of concrete structures deterioration of concrete, influence of earthquake and a fire in Diagnosis of Concrete Structures - State of the Art Report, Ed. by T. Javor, Expertcentrum, Bratislava, pp. 135-146.							
6.	Folić, R. (1985): Analiza aktivne širine ploče i graničnih stanja kod elemenata od armiranog i prethodno napregnutog betona. FTN IIG Posebno izdanje 7, Novi Sad, str. 1-193.							
7.	Folić, R., Radonjanin, V. (1998): Experimental research on polymer modified concrete, Materials Journal, ACI, VOL. 95 No. 4, July/August 1998, pp.463-470.							
8.	Folić, R. (1991): A classification of damage to RILEM - Journal, Chapman & Hall, Vol. 24, pp.	concrete buildings in e . 286-292.	arthquakes, illust	trated by examples. Materia	l and Structures,			
9.	Javor, T., Naus, D.J., Folić, R., Zakić, B.: (1992) Chapman & Hall, Vol. 25, pp. 437-440.	2): Diagnosis of Concr	ete Structures. R	ILEM - Journal Materials an	d Structures,			
10.	Folić, R., Radonjanin, V. (1998): Experimental July/August 1998, pp.463-470.	research on polymer i	modified concrete	e, Materials Journal, ACI, V	OL. 95 No. 4,			
Sur	mmary data for teacher's scientific or art and profe	essional activity:						
Quot	tation total :	11						
Tota	l of SCI(SSCI) list papers :	8		-	-			
Curre	ent projects :	Domestic :	2	International :	1			



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Name and last name:				Gajin S. Slobodan					
Acad	emic title:					Full Professor			
Nam starti	e of the inst ng date:	itution v	vhere the te	acher works full tin	ne and	-			
Scier	ntific or art f	ield:				Materials in C	ivil Enginee	ring, Condition Assesment and Co	nstruction
Acad	emic cariee	er	Year	Institution				Field	
Acad	emic title el	ection:	2000					Materials in Civil Engineering, Co Assesment and Construction San	ndition nation
PhD	thesis		1992	Faculty of Civil Er	ngineer	ring - Beograd		Civil Engineering	
Bach	elor's thesis	6	1974	Faculty of Mather	matics	- Beograd		Mechanics	
Magi	ster thesis		-	Faculty of Techni	cal Sci	ences - Novi Sa	ad	Civil Engineering	
List c	of courses b	eing he	ld by the tea	acher in the accred	ited stu	udy programme	S		
	ID	Course	e name				Study pro	gramme name, study type	
1.	GG523	Structu Dynam	ure Monitori nic Analysis	ng and Diagnostics Method	s by Ap	plying	(G00) Civil	Engineering, Master Academic Stu	udies
2.	GG524	Noise,	Vibration a	nd Earthquakes in	Surrou	Indings	(G00) Civil	Engineering, Master Academic Stu	udies
Rep	Representative refferences (minimum 5, not more than 10)								
1.	Gajin, S., Mathema	Folić, F tics BA	R. (1985): Ja M - 331, ISS	astification of Frequ SN 0133-3526, TU	iency E Budap	Equation Linear est, pp. 139-15	ization for P 0.	ile Longitudinal Oscilations. Bulleti	ns for Applied
2.	Gajin, S., plate on e	Folić, F elastic b	R., Mešter, I ase, BAM -	D. (1985): Mathema 348, Budapest, pp	atical m . 105-1	nodelling of the	optimum vil	pro-isolation of a discrete mass sup	oported by a
3.	Gajin, S., Mathema	Folić, F tics BA	R. (1985): Ja M - 331, ISS	astification of Frequ SN 0133-3526, TU	iency E Budap	Equation Linear est, pp. 139-15	ization for P 0.	ile Longitudinal Oscilations. Bulleti	ns for Applied
4.	Gajin, S., Stossbela	Folić, F astung. l	R., Orlov, V. Bulletins for	(1987): Die durch Applied Mathema	Rippe ' tics, BA	Verstarkte Qua AM 474 (XLVI),	dratformige pp. 251-268	Stahlbetonplatte unter Dynamische	er und
5.	Folić, R., LI (89) Tl	Gajin, S J, Budaj	6. (1988): M pest, pp. 11	athematical model -30.	ling of	Pile parametric	Vibrations.	Bulletins for Applied Mathematics,	BAM 613-638
6.	Folić, R., Mathem.,	Gajin, S BAM 6	6. (1989): S 40 LII-89, T	implified Dynamic / U Budapest, pp. 43	Analysi 3-56.	s of Natural Os	cillations for	r Suspension Roofs, Bulletins for A	pplied
7.	Gajin, S., University	Folić, F 7 Temiso	R., Kuzmano oara Romai	ović, S.(2002): Diag nia, May/02, Tom 4	gnosis 7 (61)-	of state of end 2, pp. 9-16.	winding in g	enerator"s stator, Journal of Politel	hnica
8.	Folić, R., on Deep	Gajin, S Founda	S. (1986): A tions, Beijin	Contribution to Stu g, China, Volume I	idies of , pp. 2′	f Piles under Dy 176-2181.	ynamic Load	ds. Proceedings of the Internationa	l Conference
9.	Brčić, V., Third Inte	Gajin, S ern. Con	S., Folić, R. f., London,	(1987): Vibration re Vol. 2, pp. 151-157	epair w ′.	orks of framed	foundations	at a power plant. Structural Faults	and Repair,
10.	Folić, R., Internatio	Gajin, S nal Con	S., Folić, B. Iference "St	(2003): Repair of Ir ructural Faults+Re	ncrease pair-20	ed Level of Pov 03" 1st-3rd Jul	ver Saw Fou y, London, A	undation in Industrial Zone in Panče Abstracts pp 187+CD-Rom pp 10.	evo, The Tenth
Sur	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 :						
Curre	ent projects	:			Dome	estic :		International :	


Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

Name and last name:					Gilezan K. Silvia			
Acad	emic title:				Full Professor	ſ		
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Teo	chnical Scie	nces - Novi Sad	
starting date:					01.04.1984			
Scier	Scientific or art field:					Mathematics		
Acad	emic caries	er	Year	Institution	Ned O	1	Field	
Acad	emic title el	ection:	2005	Faculty of Technical Scie	ences - Novi Sa	ad	Mathematics	
PhD	thesis		1993	Faculty of Sciences - No	Decared		Mathematical Sciences	
Roch	ster thesis		1900	Faculty of Sciences No	- Beograu		Mathematical Sciences	
Bach		oing hol	1901	Faculty of Sciences - No	IVI Sau		Mathematical Sciences	
LISU		eing nei				:5		
	ID	Course	e name			Study pro	gramme name, study type	
1.	GH404	Mathe	matical Stat	istics		(G00) Civil	Engineering, Master Academic Studies	
						(Gl0) Geo	desv and Geomatics Undergraduate Academic	
2.	GI303B	Probat	bility and Ma	athematical Statistics		Studies		
3.	IAM003	Forma	l Mathemat	ical Models		(F10) Engi Studies	neering Animation, Undergraduate Academic	
1	S011	Matho	matics 1			(S00) Traf Academic S	fic and Transport Engineering, Undergraduate Studies	
4.	3011	Maule	naucs i			(S01) Post Undergrad	al Traffic and Telecommunications, uate Academic Studies	
						(Z01) Safe	ty at Work, Undergraduate Academic Studies	
5.	Z203	Statisti	cal Method	s		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
						(I10) Indus Studies	trial Engineering, Undergraduate Academic	
6.	IM1012	Probat	oility and St	atistics		(I20) Engineering Management, Undergraduate Studies		
						(P00) Proc Studies	luction Engineering, Undergraduate Academic	
7.	0M506	Semar	ntics of Prog	gramming Languages		(OM1) Mathematics in Engineering, Master Academic Studies		
8.	0M507	Logic i	n Compute	rScience		(OM1) Mar 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) Mar Studies	thematics in Engineering, Master Academic	
11.	0ML507	Logic i	n computer	science		(OM1) Ma Studies	thematics in Engineering, Master Academic	
12.	0ML513	Introdu	iction to Fu	nctional Programming Lar	nguages	(OM1) Ma Studies	thematics in Engineering, Master Academic	
						(E11) Pow Engineering	er, Electronic and Telecommunication g, Specialised Academic Studies	
						(I12) Indus	strial Engineering, Specialised Academic Studies	
13.	DZ01MS	Selected Chapters in Mathematics				(I22) Engir Studies	neering Management, Specialised Academic	
						(Z00) Envi Studies	ronmental Engineering, Specialised Academic	
14	CHADA	Math and the LOAdiation				(G00) Civil	Engineering, Master Academic Studies	
14.	Gr1404	Mathematical Statistics				(G00) Civil	Engineering, Undergraduate Academic Studies	
15.	SD0M06	Logic i	n Compute	Science		(GI0) Geo Studies	desy and Geomatics, Specialised Academic	

STAS STUD ORUM

UNIVERSITY OF NOVI SAD

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

Study Programme Accreditation



MASTER ACADEMIC STUDIES

List c	of courses b	eing held by the teacher in the accredited st	udy programmes						
	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 La	nguages (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						
22	DZ01M	Coloritori Chanters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies						
23.		Selected Chapters in Mathematics	(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						
24.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies						
Rep	presentative	refferences (minimum 5, not more than 10)							
į	"Inhabitat	tion in lambda calculus with intersection and	union types" Journal of Logic and Computation 6 (1993) 671-685 Oxford						
1.	Universit	y Press	· · · · · · · · · · · · · · · · · · ·						
2.	"Characte D.Dough	erizing strong normalization in the Curien-He erty, P.Lescanne) Theoretical Computer Scie	rbelin symmetric lambda calculus: extending the Coppo-Dezani heritage, (sa ence 2007						
3.	"Separati 1363	ng Points by Parallel Hyperplanes " (sa J. Pa	antovic, J. Zunic), IEEE Transactions of Neural Networks 18(5) (2007) 1356-						
4.	"Lambda Programi	terms for natural deduction, sequent calculu ming, 10 (2000) 121-134.	is and cut elimination" (sa H.P.Barendregt), Journal of Functional						
5.	"Confluer 2201, 38	nce of untyped lambda calculus via simple ty 3-49.	pes" (with V.Kuncak), ICTCS"01, Lecture Notes in Computer Science						
6.	"Full inter	rsection types and topologies in lambda calc	ulus", Journal of Computer and System Sciences, 62 (2001) 1-14.						
7.	7. "Behavioural inverse limit lambda models" (sa M. Dezani-Ciancaglini, S. Likavec), Theoretical Computer Science Vol 316/1-3 (2004) 49-74.								
8.	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 Notes in	types for dynamic web data" (sa M.Dezani- Computer Science 4661 (2007) 263-280.	Ciancaglini, J. Pantovic), Trustworthy Global Computing, TGC"06, Lecture						
10.	Zbirka re	šenih zadataka iz statistike (sa Z.Lužanin, Z.	Ovcin, Lj.Nedović, T.Grbić, B.Mihailović) 2005						
Sur	nmary data	for teacher's scientific or art and profession	al activity:						
Quot	ation total :	325							

SITAS STUD			WHENX HA		
Non Alexandre	FACULTY OF TECHNICAL SCI				
2 De Ca	Study F	on	CAL CAL		
PLANTER	MASTER ACADEMIC STUDIES	- P.			
Total of SCI(SSCI					
Current projects :		Domestic :	2	International :	4



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Nam	e and last n	ame:				Kisin S. Srđan					
Acad	emic title:					Full Professor					
Nam	Name of the institution where the teacher works full time and						Faculty of Technical Sciences - Novi Sad				
starti	ng date:					01.09.1992					
Scier	ntific or art f	ield:				Constructions in Civil Engineering					
Acad	emic cariee	er	Year	Institution				Field			
Acad	emic title e	ection:	1998	Faculty of Techni	cal Sci	ences - Novi S	ad	Constructions in Civil Engineering			
PhD	thesis		1985	Faculty of Civil E	ngineer	ring - Beograd		Constructions in Civil Engineering			
Magi	ster thesis		1980	Faculty of Civil E	ngineer	ring - Beograd		Constructions in Civil Engineering			
Bach	elor's thesis	S	1976	University of Belg	grade -	Beograd		Constructions in Civil Engineering			
List c	of courses b	eing hel	d by the tea	acher in the accred	lited stu	udy programme	es				
	ID	Course	e name				Study pro	gramme name, study type			
1.	GG27	Metal S	Structures 1				(G00) Civi	I Engineering, Undergraduate Academic Studies			
2.	GG35	Metal S	Structures 2				(G00) Civil	Engineering, Undergraduate Academic Studies			
3.	A305	Bearin	g structures	s 1			(A00) Arcl	nitecture, Undergraduate Academic Studies			
4.	GG503	Metal E	Bridges				(G00) Civil Engineering, Master Academic Studies				
5.	GG512	Compo	osite Structu	ures			(G00) Civil	Engineering, Master Academic Studies			
6.	GG513	Specia	I Metal Stru	ictures			(G00) Civil	Engineering, Master Academic Studies			
Rep	oresentative	refferer	nces (minim	num 5, not more th	an 10)						
1.	S. Kisin:	' Teorija	stabilnosti	", udžbenik, 173 st	trane,	Građevinski fa	kultet u Sar	ajevu, Sarajevo, 1986.			
2.	S. Kisin, fakultet u	H. Mujči Sarajev	ć: "Zbirka z ⁄u, Sarajevo	adataka iz teorije s o, 1987.	statički	određenih linijs	kih nosača"	, zbirka zadataka, 213 strana, Građevinski			
3.	S. Kisin, fakultet u	H.Mujčić Sarajev	: "Zbirka za vu, Sarajevo	adataka iz teorije s o, 1988.	tatički r	neodređenih lin	ijskih nosač	a", zbirka zadataka, 357 strana, Građevinski			
4.	S. Kisin: Građevin	'Bočno i ski fakul	zvijanje mo Itet u Saraje	nosimetričnih čelič evu, Sarajevo, 198	nih nos 6.	sača deformab	ilnog popreč	nog preseka", monografija, 86 strana,			
5.	S. Kisin:	'Profilisa	ani limovi u	funkciji nosivosti m	netalnih	i konstrukcija",	monografija	, 76 strana, Beograd, IMS, 1994.			
6.	S. Kisin:	'Stabilno	ost metalnih	n konstrukcija", I izo	danje, k	knjiga, 228 stra	na, Građevi	nska knjiga, Beograd, 1997.			
7.	R. Đorđe	vić, S. K	isin, A.Vuki	ć: "Cylindrical She	ll as a l	Foundation ", Ò	asopis BAN	1 977/94, pp.177 - 186, Budapest, 1994.			
8.	S. Kisin, 1046/94,	R. Đorđe pp. 35 -	ević: "Modif 42, Budape	ication of Incremer est, 1994.	ntal Nur	merical Analysi	s Based on	Geometrical Nonlinear Process", Časopis BAM			
9.	9. S. Kisin, Z. Petrašković : "Profili rovanĺe nastilĺ kak sb®zi v metaliLeskih sistemah". Montaanĺie i specialĺnie rabotnĺ v stroitelĺstve, str. 17-20., Moskva, 1996.										
10.	S.Kisin, N Engineer	I. Ravić, ing Inter	, J. Kovačev national, SI	vić, Z. Hriberšek: " El Volume 13, Nun	The Firant	st Road Bridge August 2003.,	on Stay Ca Recent stru	bles in Bosnia and Herzegovina", Structural ctures			
Summary data for teacher's scientific or art and professional activity						al activity:					
Quot	ation total :				0						
Total	of SCI(SS	CI) list p	apers :		0						
Curre	urrent projects : Domestic : 0 International : 0										



Study Programme Accreditation



MASTER ACADEMIC STUDIES

Civil Engineering

Nam	e and last n	ame:				Kočetov-Mišulić Đ. Tatjana				
Acad	emic title:					Assistant Pro	fessor			
Nam	e of the inst	itution w	here the te	eacher works full tir	ne and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:					01.01.1989				
Scier	Scientific or art field:					Constructions	s in Civil Eng	gineering		
Acad	emic cariee	er	Year	Institution		Field				
Acad	emic title el	ection:	2009	Faculty of Techni	cal Sci	ences - Novi S	ad	Constructions in Civil Engineeri	ng	
PhD	thesis		2008	Faculty of Techni	cal Sci	ences - Novi S	ad	Constructions in Civil Engineeri	ng	
Magi	ster thesis		1997	Faculty of Techni	cal Sci	ences - Novi S	ad	Constructions in Civil Engineeri	ng	
Bach	elor's thesis	5	1988	Faculty of Techni	cal Sci	ences - Novi S	ad	Constructions in Civil Engineeri	ng	
List c	of courses b	eing hel	d by the te	acher in the accred	lited stu	udy programme	es			
	ID	Course	e name				Study pro	gramme name, study type		
1.	GG203	Actions	s on Structi	ures			(G00) Civi	I Engineering, Undergraduate Ac	ademic Studies	
2.	GG30	Concre	ete Structur	res			(G00) Civil	Engineering, Undergraduate Aca	ademic Studies	
3.	GG34	Timber	r Structures	3			(G00) Civil	Engineering, Undergraduate Aca	ademic Studies	
4.	GI308A	Funda	mentals in	Civil Engineering			(GI0) Geo Studies	desy and Geomatics, Undergrad	uate Academic	
5.	A305	Bearin	g structure:	s 1			(A00) Arch	nitecture, Undergraduate Academ	nic Studies	
6.	GG37	Basics	of design i	n civil engineering	structu	res	(G00) Civi	I Engineering, Undergraduate Ac	ademic Studies	
7.	GG411	Mason	ry structure	es			(G00) Civil	Engineering, Undergraduate Aca	ademic Studies	
8.	GH407	Concre	ete structur	es - Hydrotechnics			(G00) Civil	Engineering, Undergraduate Aca	ademic Studies	
9.	GP406	Concre	ete structur	es - Roads			(G00) Civil	Engineering, Undergraduate Aca	ademic Studies	
10.	GG514	Specia	I Timber Si	tructures			(G00) Civil	Engineering, Master Academic S	Studies	
11.	GG517	Damag	ges and Re ires	pair of Masonry, St	teel and	d Timber	(G00) Civil	Engineering, Master Academic S	Studies	
12.	URZP62	Assess	sment of Da	amaged Structures			(ZP1) Disa Academic	aster Risk Management and Fire Studies	Safety, Master	
13.	AD0009	Compl	ex Timber :	Structures			(AD0) Digi Architectur	ital Techniques, Design and Prod e and Urban Planning, Master Ac	uction in ademic Studies	
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)					
1.	Zakić, B., 105 str.	Kočeto	v Mišulić, T	., Čakić, B. (1998)	: "Mont	ažne drvene ku	iće u svetu i	kod nas". Univerzitet u Prištini, l	Priština, SRJ,	
2.	Zakić, B., Beograd,	Lekić, F SRJ, st	R., Đukić, L r. 30-36.	j., Kočetov, T. (199	92): "Na	aponsko stanje	u truss joist	nosačima". "Materijali i konstruko	cije", br. 1-2,	
3.	Zakić, B., 37-40.	Kočeto	v Mišulić, T	. (2000): "Osnovi p	lastičn	e teorije kod dr	veta". "Mate	erijali i konstrukcije", Beograd, SR	J, 43 br. 3-4, str.	
4.	Zakić, B., Conferen	Kočeto ce on S	v, T. (1994 teel-Concre): "Composite bear ete Composite Stru	n struct ctures,	tures - wood ar Košice, Slovał	id concrete" kia, pp. 328-	. Proceedings of 4th ASCCS Inte- -334.	ernational	
5.	Kočetov I Zbornik ra	Mišulić, adova IN	T., Gramati NDIS 2003.	ikov, K. (2003): "Pr - 9.og nacionalnog	oračun g simpo	i ispitivanje ve zijuma, Novi S	za u drvenin ad, SCG, sti	n konstrukcijama prema EC-5 i E r. 291-298.	N standardima".	
6.	Kočetov I radova IV	Mišulić, ⁄ naučno	T., Stevano o-stručnog	ović, B. (2005): "Pre savetovanja Ocena	eporuke stanja	e za održavanje , održavanje i s	e, praćenje, i sanacija grad	i ocenu stanja drvenih konstrukci đevinskih objekata i naselja, Zlati	ja". Zbornik bor, str.175-180.	
7.	Stevanov naučno-s	ić, B., K tručnog	očetov Miš savetovan	ulić, T. (2005): "Fa ja Ocena stanja, oc	ktori ob Iržavan	pezbeđenja traj nje i sanacija gr	nosti i zaštita ađevinskih o	a drvenih konstrukcija". Zbornik ra objekata i naselja, Zlatibor, SCG,	adova IV str.181-186.	
8.	Kočetov I domeće t	Mišulić 7 ržište",	Г., Stevano ,Materijali i	vić B. (2008): "Eks konstrukcije", br. 4	perimer , Beogr	ntalna podloga rad, str. 50-62.	za uvodjenj	e klasa čvrstoće četinarske rezar	ne građe na	
9.	9. Kočetov Mišulić, T., Gramatikov, K. (2005): "Experimentally supported investigation of in row nailed connections under monotone and cyclic loadings". Proceedings of the 11th International MASE Symposium, Ohrid. Republic Macedonia. SI-2. pp. 275-280.								nder monotone pp. 275-280.	
10.	Zakić, B., Zbornik ra	Jankov adova I>	ić, D., Kova K Kongresa	ačević, D., Kočetov JUDIMK-a, Novi S	, T. (19 ad, SF	990): "Izmereni RJ, Knjiga II, s	smičući i gla tr. 265-273.	avni naponi kod lameliranih leplje	nih konstrukcija".	
Sur	nmary data	for teac	her's scien	tific or art and profe	essiona	activity:				
Quot	ation total :				0					
Total	of SCI(SS	CI) list p	apers :		0			i		
Curre	Current projects : Domestic :					estic :	1	International :	0	



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Nam	Vana and last name:						ić R. Srđan		
Acad	emic title				Full Professor				
Nam	e of the ine	itution	where the te	eacher works full time and	Faculty of Teo	Faculty of Technical Sciences - Novi Sad			
starting date: 01.05					01.09.2002	01.09.2002			
Scier	ntific or art f	ield:			Hydrotechnics				
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title e	ection:	2003	Faculty of Technical Scie	ences - Novi Sa	ad	Hydrotechnics		
Magi	ster thesis		1998	Faculty of Civil Engineer	ring - Beograd		Hydrotechnics		
PhD	thesis		1993	Faculty of Civil Engineer	ring Subotica -	Subotica	Hydrotechnics		
Bach	elor's thesis	S	1982	Faculty of Civil Engineer	ring Subotica -	Subotica	Hydrotechnics		
List c	of courses b	eing hel	ld by the te	acher in the accredited stu	udy programme	S			
	ID	Course	e name			Study pro	gramme name, study type		
1.	GG18	Funda	mentals in	Hydromechanics and Hyd	rotechnics	(G00) Civi	l Engineering, Undergraduate Academic Studies		
2.	GG301	Hydrot	echnical Fa	acilities and Systems		(G00) Civi	l Engineering, Undergraduate Academic Studies		
3.	GH406	Hydrot	echnical Ar	meliorations		(G00) Civil	Engineering, Undergraduate Academic Studies		
4.	GI308A	Funda	mentals in	Civil Engineering		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
5.	URZP59	Flood I	Defense Me	easures		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
6.	Z210	Funda	mentals of	Water Protection		(Z20) Environmental Engineering, Undergraduate Academic Studies			
7.	Z417	Metho	ds and Sys	tems for Water Treatment		(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic		
8.	Z417	Postup engles	oci i postroje kom)	enja za tretman voda(unet	i naziv na	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
9.	GG506	Profes	sional Prac	tice		(G00) Civil	Engineering, Master Academic Studies		
10.	GH505	Frame	work Direct	tives E3 (WDF)		(G00) Civil	Engineering, Master Academic Studies		
11.	MPK028	Hydrot	echnical ob	jects and systems		(MPK) Inž naziv na er	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
12.	DG1002	Select	ed Chapter	s in Engineering Geodesy		(GI0) Geo	desy and Geomatics, Doctoral Academic Studies		
13.	DGI019	Select	ed Chapter	s in Municipal Information	Systems	(GI0) Geo	desy and Geomatics, Doctoral Academic Studies		
14.	GD006	Select	ed Chapter	s in Hydraulics		(G00) Civil Engineering, Doctoral Academic Studies			
15.	GD016	Select	ed Chapter	s in Water Regulation and	Protection	(G00) Civil Engineering, Doctoral Academic Studies			
16.	GD026	Select	ed Chapter	s in Hydro-infortmacis		(G00) Civil Engineering, Doctoral Academic Studies			
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.	Trajkovic Mangemo	, S., Kol ent, 200	akovic, S.: 9, vol. 23 b	Evoluation of Reference E r. 14, str. 3057-3067 UDK	Evapotranspirat : doi: 10.1007/s	ion Equation 11269-009-	ns under Humid Conditions, Wather Resources -9423-4		
2.	Trajkovic of Irrigatio	, S., Kol on and [akovic, S.: Drainage Ei	Comparison of Simplified nginering, American Socie	Pan-Based Eq ty of Civil Engi	uations for E neers (ASCI	Estimating Reference Evapotranspiration, Journal E), 136(2), 137-140, 2010., ISSN 0733-9437		
3.	Trajkovic Drainage	S., Kola Engine	akovic S., E ering -ASC	stimating Reference Evap E, Vol. 135, Number 4. str	ootranspiration : 443-449 ISSN	Using Limite 1 0733-9437	ed Weather Data, Journal of Irrigation and 7, 2009.		
4.	4. Trajkovic S., Kolakovic S., Wind-adjusted Turc equation for estimating reference evapotranspiration at humid European locations, Hidrology Research (formerly Nordic Hidrology), 2009, Vol. 40, No. 1, str. 45- 52, ISSN 0029-1277.								
5.	5. Stipic M., Prodanovic D., Kolakovic S., Rationalization and reliability improvement of fire fighting systems in big cities, Urban Water, 008, vol. 6 br. 2, str. 169-181, ISSN 1462-0758.								
6.	 Kolakovic S., Stevanovic D., Milićević D., Trajković S., Milenković S., Kolaković S.S., Anđelković Lj.: EFFECTS OF REACTIVE FILTERS BASED ON MODIFIED ZEOLITE IN DAIRY INDUSTRY WASTEWATER TREATMENT PROCESS, Chemical Industry & Chemical Engineering Quarterly, DOI:10.2298/CICEQ120629092K 								
7.	HIDROTI ETP), au	EHNIČK Itori: Srč	E MELIOR fan Kolakov	ACIJE – ODVODNJAVAN rić i Slaviša Trajković, Edio (zajednički udžbenik na dv	IJE (dopunjeno cija "Tehničke r va fakulteta) IS	izdanje sa : nauke", Faki SBN 186-789	zadacima i CD diskom sa softverom za proračun ultet tehničkih nauka – Novi Sad i Građevinsko-)-002-5. 626.86(075.8) 335 strana		
8.	O PRELI 1998 IS	VIMA UZ BNI 86-8	Z NASUTE 80297-22-4	BRANE, (monografija), G Naučna kniiga i monografi	G.Hajdin, S.Kola	aković, L.Ho I značaja	ovanj, Đ.Fabian, Građevinski fakultet - Subotica,		
			· · - • · ·		,	,			

SITAS STUDIO UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 **Study Programme Accreditation** MASTER ACADEMIC STUDIES **Civil Engineering** Representative refferences (minimum 5, not more than 10) PUBLIC OPINION SURVEY AS A FORM OF PUBLIC PARTICIPATION IN THE IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE-LESKOVAC FIELD IRRIGATION, FACTA UNIVERSITAS, SERIES: ARCHITECTURE AND CIVIL 9 ENGINEERING, 3 (2), 173-184, 2005, 14, Trajković, S., Kolaković, S., Injatović, M. Kolakovic S., Fabian D., Santrac P.; STATE OF CHANNEL BEGA 300 YEARS AFTERWARD ITS COMPLETION, Workshop on 10. the Bega Channel, Subotica 19-21 october 2001 Summary data for teacher's scientific or art and professional activity: Quotation total : 0 Total of SCI(SSCI) list papers : 6 Current projects Domestic : 2 International : 3



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Nam	e and last n	ame:			Kosec L. Boru	ut		
Acad	emic title:				Guest Profes	sor		
Nam starti	e of the inst ng date:	itution v	where the te	acher works full time and	-			
Scier	ntific or art f	ield:			Environment	Protection E	ingineering	
Acad	emic cariee	er	Year	Institution		Field		
Acad	emic title el	ection:	2009	Faculty of Technical Scie	ences - Novi Sa	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 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	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
1.	Z309A	Solid V	Vaste Mana	agement		(Z20) Envir Studies	onmental Engineering, Undergraduate Academic	
2.	Z309A	Upravl	janje čvrstir	n otpadom(uneti naziv na	engleskom)	(Z20) Envir Studies	onmental Engineering, Undergraduate Academic	
3.	Z508	Specifi	c Design C	onditions in Environment	Protection	(Z20) Envir	onmental Engineering, Master Academic Studies	
4.	ZR501	Hazaro	dous Materi	als and Hazardous Waste	;	(Z01) Safe	ty at Work, Master Academic Studies	
5.	Z508	Specifi sredine	čni uslovi p e(uneti nazi	rojektovanja u zaštiti život v na engleskom)	tne	(Z20) Envir	ronmental Engineering, Master Academic Studies	
6.	GH508	Landfil	l desing an	d municipal waste treatma	ant systems	(G00) Civil	Engineering, Master Academic Studies	
7.	SZDH1	Moder	n Methods	of Eco-design		(Z00) Envi Studies	ronmental Engineering, Specialised Academic	
8.	SZSP09	Reme	diation of co	ontaminated locations		(Z00) Envi Studies	ronmental Engineering, Specialised Academic	
9.	SZSP18	Conter assess	mporary sci	entific approaches in life c oducts (LCA)	cycle	(Z00) Envi Studies	ronmental Engineering, Specialised Academic	
10.	SZSP21	Desigr Hazaro	n and Plann dous Materi	ing Processes to Minimize als	e Waste and	(Z00) Envi Studies	ronmental Engineering, Specialised Academic	
11.	ZR406A	Systen Health	n Regulatio and Safety	ns and EU Practice in Oco	cupational	ational (Z01) Safety at Work, Master Academic Studies		
12.	ZDH1	Moder	n Methods	of Eco-design		(Z00) Envi Studies	ronmental Engineering, Doctoral Academic	
13.	ZSP09	Reme	diation of Co	ontaminated Sites		(Z00) Envi Studies	ronmental Engineering, Doctoral Academic	
14.	ZSP18	Moder Assess	n Scientific sment (LCA	Approaches in Product Lit .)	fe Cycle	(Z00) Envi Studies	ronmental Engineering, Doctoral Academic	
15.	ZSP20	System	nic Regulat	ion of Environment		(G00) Civi	I Engineering, Doctoral Academic Studies	
16.	ZSP21	Desigr Hazaro	and Plann dous Materi	ing Processes to Minimize als	e Waste and	(OM1) Mathematics in Engineering, Doctoral Academ Studies (Z00) Environmental Engineering, Doctoral Academic Studies		
						(Z01) Safe	ety at Work, Doctoral Academic Studies	
Rep	presentative	reffere	nces (minim	num 5, not more than 10)				
1.	Nagode, electric st	A., Klan tove, En	čnik, G., So gineering F	hwarczova, H., Kosec, B. ailure Analysis 23, pp. 82	, Gojić, M., Kos -89, 2012, ISSI	sec, L.: Anal N 1350-630	yses of defects on the surface of hot plates for an 7.	
2.	2. Agarski, B., Budak, I., Kosec, B., Hodolic, J.: An Approach to Multi-criteria Environmental Evaluation with Multiple Weight Assignment, Environmental Modeling and Assessment 17 (3), pp. 255-266, 2012, ISSN 1420-2026.							
3.	3. Antić, A., Petrović, P.B., Zeljković, M., Kosec, B., Hodolič, J.: The influence of tool wear on the chip-forming mechanism and tool vibrations, Materials and Technology 46 (3), pp. 279-285, 2012, ISSN 1580-2949.							
4.	Klobčar, 53, 2012,	D., Kose ISSN 1	ec, L., Kose 350-6307.	c, B., Tušek, J.: Thermo fa	atigue cracking	of die casti	ng dies, Engineering Failure Analysis 20, pp. 43-	
5.	Kosec, B quenchin	., Karpe g of plar	, B., Nagod netary shaft	e, A., Budak, I., Ličen, M., s, Metalurgija 51 (1) , pp.	Dordević, M., 71-74, 2012, IS	Kosec, G.: I SSN 0543-5	Efficiency and quality of inductive heating and 846.	

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKNX H						
ANN A	NOR CON	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6									
0.2	E See Sta	Study F	on	Con Land								
<i>`</i> 0	LANTER	MASTER ACADEMIC STUDIES	MASTER ACADEMIC STUDIES Civil Engineering									
Re	presentative re	efferences (minimum 5, not more th	an 10)									
6.	Jevremovic, D., Puskar, T., Kosec, B., Vukelic, D., Budak, I., Aleksandrovic, S., Egbeer, D., Williams, R.: The analysis of the 6. 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.											
7.	Kores, S., \ pp. 216-220	/ončina, M., Kosec, B., Medved, J.:), 2012, ISSN 0543-5846.	Formation of ALFeSi	phase in ALSi12	alloy with Ce addition, Meta	lurgija 51 (2) ,						
8.	Česnik, D., 2012, ISSN	Bratuš, V., Kosec, B., Bizjak, M.: D 0543-5846.	istortion of ring type pa	arts during fine-bl	anking, Metalurgija 51 (2) ,	pp. 157-160,						
9.	Gojić, M., N Engineering	lagode, A., Kosec, B., KoŽuh, S., Š g Failure Analysis 18 (8) , pp. 2330-	avli, Š., Holjevac-Grgu 2335, 2011, ISSN 135	ırić, T., Kosec, L.: 0-6307.	Failure of steel pipes for ho	ot air supply,						
10.	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.											
Su	Summary data for teacher's scientific or art and professional activity:											
Quotation total : 93												
Tota	I of SCI(SSCI)	list papers :	39									
Curr	ent projects :		Domestic :	1	International :	1						



Study Programme Accreditation



MASTER ACADEMIC STUDIES

Civil Engineering

Nam	e and last n	ame:				Kovačević I. [ovačević I. Dušan		
Acad	lemic title:					Full Professo	r		
Nam	e of the inst	itution v	vhere the te	acher works full time	e and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:					22.10.1985			
Scier	ntific or art f	ield:				Theory of Co	nstruction	-	
Acad	lemic cariee	er	Year	Institution				Field	
Acad	Academic title election: 2011							Theory of Construction	
PhD	thesis		2001	Faculty of Civil Eng	gineer	ring - Beograd		Theory of Construction	
Magi	ster thesis		1992	Faculty of Technica	al Sci	ences - Novi Sa	ad	Theory of Construction	
Bach	elor's thesis	5	1985	Faculty of Technica	al Sci	ences - Novi Sa	ad	Theory of Construction	
List o	of courses b	eing he	ld by the tea	acher in the accredit	ed stu	udy programme	S		
	ID	Course	e name				Study pro	ogramme name, study type	
1.	GG29	Structu	ural Stability	and Dynamics			(G00) Civil	Engineering, Undergraduate Academic Studies	
2.	GG36	Theory	on Plates	and Shells			(G00) Civi	il Engineering, Undergraduate Academic Studies	
3.	GG403	Structu	ure Testing				(G00) Civil	Engineering, Undergraduate Academic Studies	
4.	MG402	Compu	uter Aided S	Structural Modeling			(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
5.	A502	Theory	of structur	es and structural sys	stems		(A00) Arcl	hitecture, Undergraduate Academic Studies	
6.	ASO15	Structu	ural System	s in Scene Design			(AS0) Sce Undergrad	enic Architecture, Technique and Design, luate Academic Studies	
7.	ASO21	Structu	ures, Materi	als and Technologie	es in S	Scene Design	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
8.	GG413	FEM m	nodeling in :	structural analysis			(G00) Civil	Engineering, Undergraduate Academic Studies	
9.	GG506	Profes	sional Prac	tice			(G00) Civil	Engineering, Master Academic Studies	
10.	GG515	Finite I	Element Me	ethod			(G00) Civil	Engineering, Master Academic Studies	
							(G00) Civi	il Engineering, Doctoral Academic Studies	
11.	GD011	Select	ed Chapters	s in FEM			(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
12.	GD025	Select	ed topics in	project managemer	nt in c	onstruction	(G00) Civi	il Engineering, Doctoral Academic Studies	
Rep	oresentative	reffere	nces (minim	num 5, not more thar	n 10)				
1.	D. Kovač Crane Se	ević, I. E rviceabi	Budak, Aco ility Failure,	Antić, A. Nagode, B Engineering Failure	. Kose Anal	ec: FEM Model ysis, ISSN: 135	ing and Ana 0-6307, DC	alysis in Prevention of the Waterway Dredger's DI: 10.1016/j.engfailanal.2012.10.009, ELSEVIER	
2.	D. Kovac Waterway 669.14.0	evic, M. y Dredg 18.298:6	Sokovic, I. er, Metallur 69.18=111	Budak, A. Antic, B. I gy Vol.51, No1, 113-	Koseo -116,	c: Optimal Finite ISSN0543-584	e Elements 6, METABK	Method (FEM) Model for The Jib Structure of a 51(1) 113-116 (2012), UDC-UDK	
3.	D. Kovac ISSN 133	evic, I. E 0-3651,	Budak, A. A , No. 4 18	ntic, B Kosec: Speci (2011) 649-655, UD	al Fin	ite Elements: T K 519.61:624.0	heoretical E)46	Background and Application, Technical Gazette,	
4.	A. Nagod Analysis 669.14.0	e, G. Kl of Whisl 18.298:6	ančnik, M. I kers on the 669.18=111	Bizjak, D. Kovačević Surface of Grey Cas , pp. 11-14, Zagreb	;, B. K st Iron , 2012	losec, E. Derva n, Technical Ga 2.	rič, B. Zorc, zette, ISSN	L. Kosec: Structural and Thermodynamic 0543-5846, UDC – UDK	
5.	Antić,A., Chips Se	Kozak, gmentat	D.,Kosec, tion and To	B., Šimunović, G., Š ool Vibration, Techn	Šarić, nical C	T., Kovačević, Gazette, ISSN 1	D., Čep, F 330-3651, 2	R: Influence of Tool Wear on the Mechanism of Zagreb, Article in Press, 2012.	
6.	D. Kovac Universita	evic, S. atis, Ser	Rankovic: I ies: Archite	EM Modeling of Sp cture and Civil Engir	atial S neerin	Structural Systeng, ISSN 0354-4	ms in Evalu 4605, Nis, 2	uation of the Real Structural Performances, Facta 012.	
 D. Kovacevic: Model for RC Frames Loaded by Seismic Forces, Invit (ECF16) - Mini-symposium: Integrity of Dynamical Systems, Proceed Alexandropoulos, Greece, 2006. 					ed paper , ings, ISBN	The 16th European Conference of Fracture 978-1-4020-4971-2, pp. 779-786,			
8. R. Folić & D. Kovačević: Link Finite Elements Application In FEM Structural Modeling, The 11th International Symposium o Mathematics and its Applications, Invited paper, Proceedings, pp12-23, Timişoara, 2006.							eling, The 11th International Symposium of ra, 2006.		
 D. Kovačević, Ž. Janjić & I. Džolev: Special Finite Elements - Why a Conference, Invited paper, ISBN 978-86-7892-221-3, Novi Sad, pp. 					d Where? I 33-72, 2009	NDIS 2009, 5th International Scientific			
10.	Dušan Ko	ovačević	: MKE mod	leliranje u analizi kor	nstruk	cija, 336 str, G	rađevinska	knjiga, Beograd, 2006.	
Sur	Summary data for teacher's scientific or art and professional activ					al activity:			
Quot	ation total :			8	82				
Tota	of SCI(SSC	CI) list p	apers :	4	5				

WTAS STUD	UNIVERSITY OF NOVI SAD										
No R	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6										
72000	Study F	on	Con								
PLANTER	MASTER ACADEMIC STUDIES Civil Engineering										
Current projects : Domestic : 2 International :											



Study Programme Accreditation



Civil Engineering

MASTER ACADEMIC STUDIES

Nam	e and last n	ame:				Lađinović Ž. Đorđe				
Acad	emic title:					Full Professo	r			
Nam	e of the inst	itution v	vhere the te	acher works full tim	e and	Faculty of Tee	chnical Scie	nces - Novi Sad		
starti	ng date:					17.11.1980				
Scier	ntific or art f	ield:				Theory of Cor	nstruction			
Acad	emic cariee	er	Year	Institution			Field			
Acad	emic title el	ection:	2012	Faculty of Technic	cal Scie	ences - Novi Sa	ad	Theory of Construction		
PhD	thesis		2002	Faculty of Technic	cal Scie	ences - Novi Sa	ad	Theory of Construction		
Magi	ster thesis		1995	Faculty of Technic	cal Scie	ences - Novi Sa	ad	Theory of Construction		
Bach	elor's thesis	6	1980	Faculty of Technic	cal Scie	ences - Novi Sa	ad	Civil Engineering		
List c	of courses b	eing he	ld by the tea	acher in the accredi	ted stu	idy programme	s			
	ID	Course	e name				Study programme name, study type			
1.	GG22	Structu	ural Analysi	s 1			(G00) Civi	I Engineering, Undergraduate Ac	ademic Studies	
2.	GG25	Theory	on Concre	ete Structures 1			(G00) Civi	I Engineering, Undergraduate Ac	ademic Studies	
3.	GG26	Structu	ural Analysi	s 2			(G00) Civi	I Engineering, Undergraduate Ac	ademic Studies	
4.	URZP58	Earthq	uake Impac	ct on Civil Engineeri	ing Str	uctures	(ZP0) Disa Undergrad	aster Risk Management and Fire uate Academic Studies	Safety,	
5.	A311	Bearin	g structures	s 2			(A00) Arch	nitecture, Undergraduate Acaden	nic Studies	
6.	A502	Theory	/ of structur	es and structural sy	/stems		(A00) Arch	nitecture, Undergraduate Acaden	nic Studies	
7.	GG37	Basics	of design i	n civil engineering s	structu	res	(G00) Civil Engineering, Undergraduate Academic Studies			
8.	GG502	Seismi	ic Analysis	of Structures			(G00) Civil	Engineering, Master Academic S	Studies	
9.	GG516	Nonlin	ear Analysi	s of Structures			(OM1) Ma Studies (G00) Civil	thematics in Engineering, Master	Academic	
10	GG522	Desig	n of Tall Bui	Idinas			(G00) Civil	Engineering, Master Academic S	Studies	
11	GG530	Seismi	ic Analysis	of Engineering Struc	ctures		(G00) Civil	Engineering, Master Academic S	Studies	
Rer	presentative	reffere	nces (minin	um 5 not more tha	n 10)		(000) 0111			
1.	Folić R., I	Lađinov	ić Đ.: Three	dimensional analys	sis of t	all buildings su	bjected to e	arthquake loading. Facta Univers	sitatis –	
2.	Folić R., A	Alendar	V., Lađinov	vić Đ.: EC8 - Design	of Ea	rthquake Resis	tant Structu	re. MASE, 7-th International Sym	iposium, Ohrid,	
3.	Lađinović 4 Beogra	D., Nei	nadić G., Đi 2001 str	ukić Lj.: Varadinska 117-124	duga	– dinamička ar	aliza glavne	e mostovske konstrukcije. Časop	s "Izgradnja" br.	
4.	Lađinović	: Đ., Fol ing SE 4	ić R.: Seisn 40EEE. Sko	nic analysis of buildi	ing stru t 2003	uctures using d . CD-ROM – Pa	amage spec	ctra. International Conference in nce 0067. pp. 1-8.	Earthquake	
5.	Lađinović Mathema	Ð., Fol tics, BA	ić R.: Non-l M-2080/20	inear analysis of mu 03 (CIII), Technical	ulti-stor Univer	rey building stru sity of Budape	uctures by u st, 2003., pr	ising equivalent SDOF model. Bu b. 495-502.	Illetin for Applied	
6.	Lađinović Beograd,	Ð., Fol 2004, s	ić R.: Analiz str. 31-64.	za konstrukcija zgra	da na	zamljotresna d	ejstva. Časo	opis "Materijali i konstrukcije" br.	3-4, JUDIMK,	
7.	Lađinović	Ð.: Sta	itika konstru	ıkcija 1. Fakultet teh	nničkih	nauka Novi Sa	ad, 2007			
8.	Lađinović (2), str. 2	: Ð.: Sav 5-40.	vremene me	etode seizmičke ana	alize ko	onstrukcija zgra	ada. Materija	ali i konstrukcije (ISSN 0543-079	8), 2008, Vol. 51	
9.	9. Lađinović Đ., Radujković A., Rašeta A.: Seismic Performance Assessment Based On Damage Of Structures – Part 1: Theory. Facta Universitatis - series: Architecture and Civil Engineering (ISSN 0354-4605) Vol. 9. No. 1. 2011, pp. 77-88									
10.	10. Lađinović Đ.: Estimation of Deformation and Strength Demands for Performance Seismic Design. Seminar: Seismic Design Of Structures, Serbian Chamber of Engineers and Bulgarian Chamber in Investment design, Beograd, April 08, 2011.									
Sur	nmary data	for teac	her's scient	tific or art and profes	ssiona	l activity:				
Quot	ation total :				35					
Total	of SCI(SS	CI) list p	apers :		1					
Curre	ent projects	:			Dome	stic :	2	International :	0	



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

Nam	e and last n	ame:			Malešev M. N	alešev M. Mirjana			
Acad	emic title:				Associate Pro	ofessor			
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Teo	chnical Scie	nces - Novi Sad		
starti	ng date:				16.01.1984				
Scier	ntific or art f	ield:			Materials in C	ivil Enginee	ring, Condition Assesment and Construction		
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	ection:	2008	Faculty of Technical Scie	ences - Novi Sa	ad	Materials in Civil Engineering, Condition Assesment and Construction Sanation		
PhD	thesis		2003	Faculty of Civil Engineer	ing - Beograd		Materials in Civil Engineering and Concrete Technology		
Magi	ster thesis		1994	Faculty of Technical Scie	ences - Novi Sa	ad	Materials in Civil Engineering and Concrete Technology		
Bach	elor's thesis	S	1983	Faculty of Technical Scie	ences - Novi Sa	ad	Constructions in Civil 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.	A202	Structu	ures, Materi	als and Building		(A00) Arch	nitecture, Undergraduate Academic Studies		
2.	GG09	Materi	als in Const	truction 2		(G00) Civi	I Engineering, Undergraduate Academic Studies		
3.	GG21	Concre	ete Technol	ogy		(G00) Civi	I Engineering, Undergraduate Academic Studies		
4.	URZP13	Buildin	ig materials	and structures		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
5.	GG504	Durabi	lity and Ass	essment of Concrete Stru	ictures	(G00) Civil	Engineering, Master Academic Studies		
6.	GG517	Damao Structu	ges and Re ures	pair of Masonry, Steel and	l Timber	(G00) Civil Engineering, Master Academic Studies			
7.	GG518	Repair	of Concret	e Structures		(G00) Civil	Engineering, Master Academic Studies		
8.	GG521	Construction Business and Regulative				(G00) Civil	Engineering, Master Academic Studies		
9.	GP502	Bridge	Manageme	ent		(G00) Civil	Engineering, Master Academic Studies		
10.	URZP62	Asses	sment of Da	amaged Structures		(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
11.	GS009	Energy thermo	/-efficient m otechnical p	aterials and diagnostic of erformances	building	(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic		
12.	GS010	The de	esign of ene	rgy efficient buildings		(G10) Energy Efficiency in Buildings, Specialised Academic Studies			
13.	GS011	Energy	y revitalizati	on of buildings		(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic		
14.	SDGI1A	Odabr konstr	ana poglavl ukcija	ja iz građevinskih materija	ıla i	(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
15.	GD005	Select	ed Chapters	s in Concrete Theory and	Technology	(G00) Civil Engineering, Doctoral Academic Studies			
16.	GD008	Conter	mporary Me	thods in Concrete Structu	re Design	(G00) Civi	I Engineering, Doctoral Academic Studies		
17.	GD015	Rheolo	ogy of Conc	rete Structures		(G00) Civi	I Engineering, Doctoral Academic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.	Malešev,	M. (199	4) Primena	metode ultrazvuka pri odr	eđivanju otporr	nosti betona	na dejstvo mraza, Magistarska teza		
2.	Malešev, Doktorska	M. (200 a diserta	3) Parameta acija	arska analiza uticaja novih	vrsta cementa	a proizveder	nih prema EN 197-1 na osnovna svojstva betona,		
3.	Malešev, Eksperim otpornost	M., Foli entalno i betona	ć, R., Mura istraživanje a na deistvo	vljov, M., Radonjanin, V. (zavisnosti između brzine mraza, XX Kongres JUD	1996): ultrazvuka i IMK, Cetinie. sl	tr. 73 - 79.			
4.	 Radonjanin, V., Malešev, M. (1997): Concrete Quality Control by Using Statistical Methods, Bulletins for Applied & Computer Mathematics, BAM-1324, Vol.LXXXIB, Budapest, Hungary, pp. 95-104. 								
5.	5. Stojanović G., Radovanović M., Malešev M., Radonjanin V.: Monitoring of Water Content in Building Materials Using a Wireless Passive Sensor, Sensors, 2010, Vol. 10, No.5, pp. 4270-4280, ISSN 1424-8220, UDK: 10.3390/s100504270								
6.	Malešev relation to Modern A materijala	M., Rad o type a Achiever a i konst	onjanin V., nd quantity nents in Civ rukcija Srbi	Radeka M., Milovanović V of cementitious materials vil Engineering in the Field je, Beograd, 19-21 Oktoba	 	sic propertie rnational Sy nd Structure 59-168, ISBI	s of structural lightweight aggregate concrete in mposium about Research and Application of s, Tara: Društvo za ispitivanje i istraživanje N 978-86-87615-02-1		

2	AS ST.		UNIVERSITY OF NO	VI SAD				
AN AN	NULL SHORE	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	STATE AND		
D'Z		Study F	Study Programme Accreditation					
·01	LANTEN	MASTER ACADEMIC STUDIES	TER ACADEMIC STUDIES Civil Engineering					
Rep	presentative r	efferences (minimum 5, not more th	an 10)					
7.	 Radonjanin V., Malešev M., Radeka M., Lukić I., Milovanović V.: Basic properties of structural lightweight aggregate concrete in relation to type and quantity of cementitious materials - part 2, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materiala i konstrukcija Schije. Beograd, 19-21 Oktobar, 2011, pp. 169-178, ISBN 978-86-87615-02-1 							
8.	Malešev M Konferencij 19-20 Maj,	, Radonjanin V., Emhemd Saed M. a Savremena građevinska praksa, 2011, pp. 209-226, ISBN 978-86-78	, Milovanović V.: Zele Andrevlje: Fakultet ter 392-324-1	ni betoni-nove mo ničkih nauka i Dr	ogućnosti održivog građevir uštvo građevinskih inženjer	narstva, 12. a Novog Sada,		
9.	Marinković aggregate 10.1016/j.w	S., Radonjanin V., Malešev M., Ignj concrete, Waste Management, 2010 asman.2010.04.012	atović I.: Comparativo), Vol. 30, No 11, pp. 2	e environmental a 2255-2264, ISSN	ssessment of natural and n 0956-053X, UDK: doi:	ecycled		
10.	Maksimović M., Stojanović G., Radovanović M., Malešev M., Radonjanin V., Radosavljević G., Smetana W.: Application of a LTCC sensor for measuring moisture content of building materials, Construction and Buildings Materials, 2012, Vol. 26, No 1, pp. 327-333, ISSN 0950-0618(02)00045-4, UDK: 10.1016/j.conbuildmat.2011.06.029							
Summary data for teacher's scientific or art and professional activity:								
Quot	tation total :		4					
Tota	l of SCI(SSCI)	list papers :	1					
Curre	ent projects :		Domestic :	2	International :	1		



Study Programme Accreditation



Name	e and last n	ame:				Malešević B. Erika					
Acad	emic title:					Full Professor	•				
Name	e of the inst	itution where	the tea	acher works full tim	ne and	Faculty of Teo	chnical Scie	nces - Novi Sad			
starting date:					15.09.2007						
Scier	Scientific or art field:					Organization, Construction Technology and Management					
Acad	emic cariee	r Yea	ar	Institution				Field			
Acad	Academic title election: 2003 Faculty of Civil Engine				ngineer	ring Subotica -	Subotica	Organization, Construction Technology and Management			
PhD	thesis	1995	5	Faculty of Econor	nics - E	Beograd		Economic Science			
Magi	ster thesis	1983	3	Faculty of Econor	nics - E	Beograd		Economic Science			
Bach	elor's thesis	s 1974	4	Faculty of Econor	nics - S	Subotica		Economic Science			
List o	f courses b	eing held by t	the tea	acher in the accredi	ited stu	udy programme	S	•			
	ID	Course nam	ne				Study pro	ogramme name, study type			
1.	GG02	Sociology ar	nd Ecc	pnomics in Civil Eng	gineeri	ng	(G00) Civi	il Engineering, Undergraduate Academic Studies			
2.	GG104	Economics of	of Civil	Engineering			(G00) Civi	il Engineering, Undergraduate Academic Studies			
3.	GG105	Sociology of	f Work				(G00) Civi	il Engineering, Undergraduate Academic Studies			
4.	GG521	Construction	n Busir	ness and Regulativ	е		(G00) Civil	Engineering, Master Academic Studies			
5.	GM502	Managemen	nt in Co	onstruction			(G00) Civil	Engineering, Master Academic Studies			
6.	GM503	Managemen	nt in a	Construction Comp	bany		(G00) Civil	Engineering, Master Academic Studies			
7.	GM504	Selected Ch	napters	in Construction Ed	conom	у	(G00) Civil	Engineering, Master Academic Studies			
8.	Z513A	Economics a	and the	e environmental pr	otectio	n	(Z20) Envir	ronmental Engineering, Master Academic Studies			
9.	Z513	Ekonomija i engleskom)	zaštita	a životne sredine(u	neti na	iziv na	(Z20) Envir	ronmental Engineering, Master Academic Studies			
Rep	oresentative	refferences ((minim	um 5, not more tha	an 10)						
1.	Upravljan	je investicijan	ma, Au	itori: Dr E. Malešev	ić, Đ. I	Malešević, izd.	Proleter, Be	ečej 2011.			
2.	Upravljan	je projektima	u funk	ciji menadžmenta	poslov	nog sistema,Pr	egledni člar	nak,Zbornik radova,Gf.Subotica,2006			
3.	Metodolo	ški problemi e	ekonor	mske i društvene o	cene ir	nvesticionih pro	jekata,Izgra	adnja,br.5.2001 Beograd.,str.171-145			
4.	Analiza ri	zika investicio	onih pr	ojekta sa ocenom	tehničł	kih faktora profi	tabilnosti.Pr	rivredna izgradnja br.5,Novi Sad,2001, ad,			
5.	Primena	stabla odlučiv	/anja p	rilikom donošenja i	investi	cione odluke,R	ačunovodstv	vo,br.6.2002,Beograd,str.14-21.,naučni rad			
6.	Significar IPMA 200	ice of commu)4, Budimpešt	unicatio ta	ons in conflicts" dec	crease	in project mana	agement,Me	eđunarodna konferenija iz projekt menadžmenta			
7.	Uloga vre praksa,20	dnosne analiz 007,Žabljak,st	ize u vi tr.873-	rednovanju investio 879	cionih p	projekta,Interna	cionalni nau	učno-stručni skup Građevinarstvo-nauka i			
8.	Upravljan menažme	je indirektnim enta,YUPMA 2	n troško 2006,2	ovima građenja,Au Zlatibor,Zbornik rad	tori:Dr lova,st	E.Malešević,M r.299-304	r A Segedi,I	Internacionalni simpozijum iz projekt			
9.	Malesevio SCOREA - 31-8,ISE	c,E.,Trivunic,N RD,8th Intern 3N 95396245-	M.,Muo nationa 5-92	censki,V., SUCESS al conference Orga	S ANAL nizatio	LYSIS OF THE n,technology ar	PROJECT nd manager	USING THE MODEL OF BALANCED ment inconstruction, Umag,Croatia, 2008, str.31-1			
10.	Dražič,J., inernatior	Malešević,E. nal Conferenc Žabliak str 21	., Aleks	sić,I., (2012):Influe il Engineering – Sc 358, ISBN: 978-86	nce of ience a	Life Cycle Cost and Practice,Z	ts on the Ch bornik radov	noice of Optimal Variation of Floor Covering,4-th va,Univerzitet Crne Gore,Građevinski Fakultet u			
Sun	nmary data	for teacher's	scienti	ific or art and profe	ssiona	l activity.					
Quot	ation total :				0						
Total	of SCI(SSC	CI) list papers	3:		0						
Curre	ent projects	:			Dome	estic :	0	International : 0			



Study Programme Accreditation



MASTER ACADEMIC STUDIES

Civil Engineering

Nam	ne and last name: Milošević					vić P. Mijodrag			
Acad	emic title:				Assistant Pro	Assistant Professor			
Nam	lame of the institution where the teacher works full time and Faculty					Ity of Technical Sciences - Novi Sad			
starti	ng date:				01.03.1998)1.03.1998			
Scier	ntific or art f	ield:			Tecnological	ecnological Process Design and Optimization and Technical Prepara			
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	lection:	2012	Faculty of Technical Scie	ences - Novi S	ad	Tecnological Process Design and Optimization and Technical Preparation for Manufacturing		
PhD	thesis		2012	Faculty of Technical Scie	ences - Novi S	ad	Technological Processes, Techno-Economic Optimization and Virtual Design		
Magi	ster thesis		2005	Faculty of Technical Scie	ences - Novi S	ad	Technological Processes, Techno-Economic Optimization and Virtual Design		
Bach	elor's thesis	S	1997	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	udy programme	es			
	ID	Course	e name			Study pro	gramme name, study type		
1.	P1403	Integra	ated CAPP	Systems and Technologic	al Database	(P00) Prod Studies	duction Engineering, Undergraduate Academic		
2.	P1503	Techn	ological Log	gistics and Entrepreneursh	nip	(P00) Prod Studies	duction Engineering, Undergraduate Academic		
3.	P308	Proces	ss Planning			(P00) Proc Studies	duction Engineering, Undergraduate Academic		
4.	P4408	Entrep	reneurship	in Small and Medium Ente	erprises	(P00) Production Engineering, Undergraduate Academic Studies			
5.	P320	Techn Engine	ological Pre ering	paration of Production in	Precision	(P00) Prod Studies	duction Engineering, Undergraduate Academic		
6.	GM502	Manag	ement in C	onstruction		(G00) Civil	Engineering, Master Academic Studies		
7.	P1506	Interne	et Technolo	gies in Production Engine	ering	(PM0) Pro	duction Engineering, Master Academic Studies		
8.	P315	Intellig	ent Process	s Planning		(PM0) Pro	duction Engineering, Master Academic Studies		
9.	PLIS1	Logisti Proces	cs and Sim	ulation in Technologies of	Plastics	(PM0) Pro	duction Engineering, Master Academic Studies		
10.	SM1	Metho	ds and Soft	ware Tools for Collaborati	ve Design	(PM0) Production Engineering, Master Academic Studies			
11.	DP001	Desigr Engine	and Resea	arch Methods in Productio	'n	(M00) Mechanical Engineering, Doctoral Academic Studies			
12.	DP017	Select	ed Chapter	s in e-Manufacturing	<u> </u>	(M00) Med	chanical Engineering, Doctoral Academic Studies		
13.	DP018	Moder Prepar	n Approach ation of Pro	in Development Technolo oduction	ogical	(M00) Meo	chanical Engineering, Doctoral Academic Studies		
14.	DP022	Collab	orative Eng	ineering		(M00) Mea	chanical Engineering, Doctoral Academic Studies		
15.	ZRD232	Logisti	cs in the Se	ecurity Services and Healt	h at Work	(Z01) Safe	ety at Work, Doctoral Academic Studies		
Rep	presentative	e reffere	nces (minin	num 5, not more than 10)					
1.	Antić, A., Forming	NovákN Mechan	larcinčin J., ism, New V	Kovačević, D., Milošević, Vays In Manufacturing Teo	M., Ungureanu chnologies 201	i, N.: Depen 2, Prešov, S	ding Tool Vibrations of Tool Wear and Chip Slovakia, 21th 23th June 2012.		
2.	Todić, V. Manufact	, Zeljkov uring Sy	∕ić, M., Tepi ∕stems, Me	ć, J., Milošević, M., Lukić, talurgija, ISSN 0543-5846	D.: Techno-Eo , Vol. 51, No. 3	conomic Me 3, pp.349-35	thod for Evaluation and Selection of Flexible 3, 2012.		
3.	Todić, V. Metalurgi	, Tepić, ija, ISSN	J., Kostelao I 0543-5846	c, M., Lukić, D., Milošević, 6, Vol. 51, No. 2, pp. 269-2	M.: Design an 272, 2012.	d Economic	Justification of Group Blanks Application,		
4.	Todić, V. Cylinder	, Tepić, Assemb	J., Miloševi ly of Interna	ć, M., Lukić, D., Hadžistev al compustion Engines, Me	vić M.: Design o etalurgija, ISSN	of Casting B N 0543-5846	lanks in CAPP System for Parts of Piston- b, Vol. 51, No. 1, pp. 75-78, 2012.		
5.	Milošević ISSN 182	, M., To 21-4932	dić, V., Luk , Vol.15, Nc	ić, D.: Internet-Based Coll 0.1, pp.45-48, Faculty of To	aborative Syst echnical Scien	em For Proc ce, Departm	ess Planning, Journal of Production Engineering, ent of Production Engineering, Novi Sad, 2012.		
6.	Tepić, J., for Polym	Todić, ^v ner Injec	V., Lukić, D tion Mold N	., Milošević, M., Borojević, Ianufacturing, Metalurgija,	, S.: Developm ISSN 0543-58	ent of the C 346, Vol.50,	omputer-Aided Process Planning (CAPP) System No.4, pp. 273-277, 2011.		
7.	Milošević Productic 2011.	, M., To on Engin	dić, V., Luk eering, Pro	ić, D.: Web-Based Collabo ceedings, pp.109-112, ISI	orative Environ 3N 978-86-605	ment for Pro 5-019-6, Fa	ocess Planning, 34th International Conference on culty of Mechanical Engineering, Niš, September		
8.	Todić, V. Fakultet t	, Penezi ehničkih	ć, N., Lukić n nauka, No	, D., Milošević, M.: Tehno vi Sad, 2011.	loška logistika	i preduzetni	štvo, FTN Izdavaštvo, ISBN 978-86-7892-368-5,		



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

Study Programme Accreditation



Re	Representative refferences (minimum 5, not more than 10)										
9.	 Milošević, M., Todić, V., Lukić, D.: Model Development of Collaborative System for Process Planning, Proceedings of The International Scientific Conference "Flexible Technologies" - MMA, ISBN 978-86-7892-223-7, pp. 170 - 173, Faculty of Technical Science, Department for Production Engineering, Novi Sad, October 2009. 										
10.	 Todić, V., Lukić, D., Stević, M., Milošević, M.: Integrated CAPP System for Plastic Injection Mold Manufacturing, Materiale Plastice, ISSN 0025-5289, Vol. 45, No. 4, pp. 381-389, 2008. 										
Su	mmary data for teacher's scientific or art and prot	fessional activity:									
Quot	Quotation total : 8										
Tota	Total of SCI(SSCI) list papers : 5										
Curr	ent projects :	Domestic :	0	International :	2						



Name and last name:

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

Milutin N. Darko

Study Programme Accreditation



MASTER ACADEMIC STUDIES

Science, arts and professional qualifications

Civil Engineering

Acad	lemic title:				Assistant Pro	fessor	
Nam	e of the inst	titution v	vhere the te	eacher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad
starti	ng date:				01.10.2007		
Scier	ntific or art f	ield:			Hydrotechnic	s	
Acad	lemic cariee	er	Year	Institution			Field
Acad	lemic title e	lection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Hydrotechnics
PhD	PhD thesis 1998 Faculty of Civil Enginee			ring - Beograd		Hydrotechnics	
Bachelor's thesis 1988 Faculty of Civil Engineer			ring - Beograd		Hydrotechnics		
Magi	Magister thesis -					Hydrotechnics	
List of courses being held by the teacher in the accredited stud ID Course name			udy programme	es			
				Study pro	gramme name, study type		
1.	GG18	Funda	mentals in	Hydromechanics and Hyd	rotechnics	(G00) Civi	I Engineering, Undergraduate Academic Studies
2.	GG301	Hydrot	echnical Fa	acilities and Systems		(G00) Civi	I Engineering, Undergraduate Academic Studies
3.	GH502	Hydrol	ogy with Hy	drometry		(G00) Civil	Engineering, Undergraduate Academic Studies
4.	GI021	Structu	ure Value A	ssessment	(GI0) Geodesy and Geomatics, Undergraduate Studies (ZP0) Disaster Risk Management and Fire Sat Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Sat Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Sat (Jndergraduate Academic Studies		desy and Geomatics, Undergraduate Academic
5.	URZP16	Climat	ology				aster Risk Management and Fire Safety, uate Academic Studies
6.	URZP48	Funda	mentals of	Climatology and Hydrolog			aster Risk Management and Fire Safety, uate Academic Studies
7		Notura	l Hazarda			(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies
7. URZP57 Natural Hazards				(I20) Engin Studies	eering Management, Undergraduate Academic		
8.	URZP59	Flood	Defense Me	easures		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies
9.	GH505	Frame	work Direct	tives E3 (WDF)		(G00) Civil	Engineering, Master Academic Studies
10.	MPK004	Funda	mentals of	Hydromechanics and hydi	rotechinc	(MPK) Inž naziv na ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies

(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti 11. **MPK022** hvdrometric naziv na engledskom), Master Academic Studies

Representative refferences (minimum 5, not more than 10)

Milutin D., and J.J. Bogardi, On Two Decomposition Schemes for Optimization of Multiple-Reservoir Systems, abstract, Annales Geophysicae, Part II: Oceans, Atmosphere, Hydrology & Nonlinear Geophysics, , XX General Assembly of European Geophysical 1 Society, Hmburg, Germany, Suppl. II to Vol. 13, EGS, p. C462, 1995

Bogardi, J.J. and D. Milutin, Sequential Decomposition in the Assessment of Long Term Operation of Large Scale Systems, in S.P. Simonovic, Z. Kundzewicz, D. Rosbjerg and K. Takeuchi (eds.), Modelling and Management of Sustainable Basin Scale Water Resource Systems, Proceedings of an international symposium held during the XXI General Assembly of the International Union of Geodesy and Geophysics, Boulder, Colorado, IAHS Publ. No. 231, 233 240, 1995

Milutin, D. and J.J. Bogardi, Performance Criteria for Multiunit Reservoir Operation and Water Allocation Problems, Presented at the Third IHP/IAHS George Kovacs Colloquium: Risk, Reliability, Uncertainty and Robustness of Water Resources Systems, 3 UNESCO, Paris, 19 21 September 1996. To appear in International Hydrology Series, Cambridge University Press, eds: J.J. Bogardi and Z.W. Kundzewicz (under publication).

Prohaska, S. and D. Milutin, Matimaticeskaya model prognozirovaniya sostoyanii vodohranilisc v realnom vremeni (Mathematical Model for the Real Time Forecasting of Inflows to a System of Hydropower Plants), Proceedings of the XV Conference of the 4 Danube Countries on Hydrologic Forecasting, Varna, Bulgaria, 1990 (in Russian).

Milutin, D. and J.J. Bogardi, Reliability Criteria in the Assessment of a Multiple Reservoir Operational Strategy Under Mediterranean Conditions, Proceedings of the European Symposium on Water Resources Management in the Mediterranean 5 Under Drought or Water Shortage Conditions: Economic, Technical, Environmental and Social Issues (Nicosia, Cyprus), Balkema, Rotterdam, The Netherlands, 265 271, 1995 Milutin, D., Interactive Water Resources Management Support System for Tunisia, a poster presented at The Forum of the

6 UNESCO International School for Scienece for Peace on "Water Security in the Third Millennium: Mediterranean Countries towards a Regional Vision", Como, Italy, 1999 Louati, M.E.H. and D. Milutin, Joint Operation of a Multiple Reservoir - Interbasin Water Transfer System: The Tunisian Case

2

SITAS STUDIO UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation MASTER ACADEMIC STUDIES **Civil Engineering** Representative refferences (minimum 5, not more than 10) Bogardi, J.J.K.M., B.A.H.V. Brorens, M.D.U.P. Kularathna, D. Milutin and K.D.W. Nandalal, Long Term Assessment of a Multi Unit Reservoir System Operation: The ShellDP Program Package Manual, Report Series, Report 59, Department of Water Resources, 8 Wageningen Agricultural University, The Netherlands, 272pp, 1995. Bogardi, J.J., D. Milutin, M.E.H. Louati and G. Keser, The Performance of a Long Term Operational Policy of Multi Unit Reservoir 9 Systems Under Drought Conditions, Proceedings of the VIII IWRA World Congress: Satisfying Future National and Global Demands, Cairo, Egypt, 1994 Summary data for teacher's scientific or art and professional activity: Quotation total 15 Total of SCI(SSCI) list papers : 0 2 International : 5 Current projects Domestic :



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

Name and last name:					Ninkov Đ. Toša				
Acad	lemic title:				Full Professo	r			
Name of the institution where the teacher works full time and					Faculty of Te	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				15.02.1994				
Scier	ntific or art f	ield:			Geodesy	Geodesy			
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	lection:	2002	Faculty of Technical Sci	ences - Novi S	ad	Geodesy		
PhD	thesis		1982	Faculty of Civil Engineer	ring - Beograd		Geodesy		
Magi	ster thesis		1979	Faculty of Civil Engineer	ring - Beograd		Geodesy		
Bach	elor's thesis	S	1972	Faculty of Civil Engineer	ring - Beograd		Geodesy		
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.	GI019	Bathyr	metry			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
2.	GI025B	Geode	etic Metrolog	ЭУ		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
3.	GI029	Utility	Information	Systems and their Applica	ation	(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
4.	GI307A	Engine	eering Geoo	lesy		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
5.	GI402	Engine	eering Geoo	lesy 2		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
6.	GI505	Advan Monito	ced Technio oring	ques in Geodetic Design a	and	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
7.	GI009	Introdu	uction to det	formation measurement a	nd analysis	(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
8.	GH507	Engine	eering Geoo	lesy		(G00) Civil	Engineering, Master Academic Studies		
9.	GI403	Metho Proces	ds for Preci ssina	se Geodetic Measuremen	its and Data	(GI0) Geo	desy and Geomatics, Master Academic Studies		
10.	GI514	Engine	eering Geod	lesy 3		(GI0) Geo	desy and Geomatics, Master Academic Studies		
11.	GI518	Geode	esy in City F	Planning		(GI0) Geodesy and Geomatics, Master Academic Studies			
12.	GI601	Geody	namics			(GI0) Geodesy and Geomatics, Master Academic Studies			
13.	URZP65	Geode moven	etic methods nents	s for the determination of g	geodynamic	(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
14.	GS005	Conter buildin	mporary rec gs	cording methods of energy	losses of	(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic		
15.	GI516	Deform	nation analy	sis and measurements		(GI0) Geo	desy and Geomatics, Master Academic Studies		
16.	GI531	Applica	ation of GN	SS systems		(GI0) Geo	desy and Geomatics, Master Academic Studies		
17.	GI540	Valuat	ion of real e	estate		(GI0) Geo	desy and Geomatics, Master Academic Studies		
18.	GIAU02	Positio	on Based Se	ervices		(E20) Con Academic	nputing and Control Engineering, Master Studies		
19.	SDGI02	Select	ed topics in	engineering geodesy		(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
20.	SDGI06	Select	ed Chapter	s in Real Estate Cadastre		(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
21.	SDGI10	Select	ed Chapter	s in Landscape Arrangem	ent	(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
22.	SDGI11	Select analys	ed topics in is	deformation measuremer	nts and	(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
23.	SDGI14	Selected topics in geodetic networks and the optimization			eir	(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
24.	SDGI5D	Select	ed Chapter	s in the Mass Appraisal of	Real Estate	(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
25.	SDGI6A	Select	ed Chapters	s in Appraisal		(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
26.	DGI002	Select	ed Chapter	s in Engineering Geodesy		(GI0) Geo	desy and Geomatics, Doctoral Academic Studies		





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

Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

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

	ID	Course name		Study program	me name, study type				
27.	DG1006	Selected Chapters in Real Estate Ca	adastre	(GI0) Geodesy	and Geomatics, Doctoral Aca	ademic Studies			
28.	DG1009	Selected Chapters in GNSS System	s	(GI0) Geodesy	and Geomatics, Doctoral Aca	ademic Studies			
29.	DGI010	Selected Chapters in Landscape Arr	angement	(GI0) Geodesy	and Geomatics, Doctoral Aca	ademic Studies			
30.	DGI011 Selected Chapters in Deformation Analysis and (GI0) Geodesy and Geomatics, Doctoral Academic Studies Measurements								
31.	DGI014	Selected Chapters in Geodesic Netv Optimization	vorks and Their	(GI0) Geodesy	and Geomatics, Doctoral Aca	ademic Studies			
32.	DGI019	Selected Chapters in Municipal Infor	mation Systems	(GI0) Geodesy	and Geomatics, Doctoral Aca	ademic Studies			
33.	DGI012	Selected topics in integrated system	s of surveying	(GI0) Geodesy	and Geomatics, Doctoral Aca	ademic Studies			
34.	DGI015	Selected topics in geophysics		(GI0) Geodesy	and Geomatics, Doctoral Aca	ademic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.	Ninkov, T	. (1988): "Optimizacija projektovanja	geodetskih mreža" Na	učna knjiga, Grac	ljevinski fakultet, Beograd 19	989			
2.	Ninkov, 7 Networks der Hoch	. (1982): "A new method of land Surv ; Alborg, edited by K. Borre i W.M. W schule der Bundeswehr Munchen, pp	eying networks optimi: elsch Rep 7 Schriftenr . 293-300.	zation". Meating c eiche Wissensch	f Study Eroup 5 B. Survey C aftlicher Studiengang Werme	Control essungswesen			
3.	Bulatovi SENS, 20	ć V., Sušić Z., Ninkov T.: Estimate of 012, Vol. 33, No 18, pp. 5915-5926, IS	the ASTER-GDEM rec SSN 0143-1161	gional systematic	errors and their removal, IN	T J REMOTE			
4.	Tosa Nin Geodetsl	kov, Miro Govedarica, Milan Trifkovic: ki list: glasilo Hrvatskoga geodetskog o	One Method of Rener društva. 68(88), (2011	wal of Stereograp), 4; (IF 2010 0.03	hics Survey Data in Coka Mi 88)	unicipality,			
5.	Govedari Metadat GEODET	ca Miro, Boskovic Dubravka, Petrovac a Catalogues in Spatial Information Sy 'SKI LIST, (2010), vol. 64 br. 4, str. 31	cki Dusan, Ninkov Tos /stems (Review) 3-334 (IF 2009 0.167)	a:)					
6.	Vladimir Geodetsl	Bulatović, Toša Ninkov, Zoran Sušić: ki list, (2009), br 1, str.13-29, (IF 2009	Open Geospatial Cons 0.167)	sortium Web Serv	ices Complex Distribution Sy	ystems,			
7.	Jasmina Geodetsl	Nedeljković Ostojić, Miro Govedarica, ki list:glasilo Hrvatskoga geodetskog d	Toša Ninkov: Analysi Iruštva 65(88), (2011),	s of Structure Sur 1; (IF 2010 0.038	veying Method by 3D Laser	Scanners			
8.	Bulatovi Tehnics t	ć V., Ninkov T., Malenković V., Vulić M ehnologies education management, 2	1.: Contemporary Met 012, Vol. 7, No 2, pp.	hods of Determin 687-692, ISSN 18	ing Energy Losses in Structu 340-1503	ires, TTEM.			
9.	- Projeka koristeći	t informacionog sistema postojeće ka GPS merenja, satelitski snimak sisten	nalizacione mreže Bec na IKONOS i postojeci	ograda i 3D mode u dokumentaciju (la sadržaja na fizičkoj površiı Beograd 2006)	ni zemlje			
10.	- GIS pro za GIS	ojekat Naftnog i gasnog distributivnog	sistema QGPC-a (Qa	tar General Petro	eum Corporation)1999-2000) Šef projekta			
Sur	mmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		86						
Tota	of SCI(SS	CI) list papers :	5						
Curre	ent projects	:	Domestic :	3	International :	2			



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

Study Programme Accreditation

MASTER ACADEMIC STUDIES



Name and last name:					Perović I. Ves	selin			
Acad	emic title:				Associate Pro	ofessor			
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:					24.10.2006				
Scier	ntific or art f	ield:	X	1 00 0	Production Sy	anization and Management			
Acad	emic cariee	er	Year	Institution					
Acad	emic title el	ection:	2011				Production Systems, Organization and Management		
PhD	thesis		2006	Faculty of Technical Scie	ences - Novi S	ad	Engineering Management		
Magi	ster thesis		2004	Faculty of Technical Scie	ences - Novi S	ad	Engineering Management		
Educ Thes	ation Speci	alist	2003	Faculty of Technical Scie	ences - Novi S	ad	Engineering Management		
Bach	elor's thesis	6	1982	Faculty of Economics - E	Beograd		Economic Science		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	Z310	Social	Ecology			(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
2.	A206	Sociol	ogy and Ec	onomy of the Built Environ	nent	(A00) Arch	nitecture, Undergraduate Academic Studies		
3.	ASO311	Sociol	ogy of Art a	nd Culture		(AS0) Sce Undergrad	enic Architecture, Technique and Design, uate Academic Studies		
4.	ETI41	Sociol	ogy of Tech	nique		(E02) Elect Profession	ctronics and Telecommunications, Undergraduate al Studies		
5.	IM1018	Manag	gement Acc	ounting and Financial Mar	nagement	(120) Engineering Management, Undergraduate Academic Studies			
6.	IM1414	Analys	ses of busin	ess reports		(I20) Engin Studies	neering Management, Undergraduate Academic		
7.	IM1415	Indicat	tors of Busir	ness Performance		(I20) Engin Studies	neering Management, Undergraduate Academic		
8.	IM1417	Contro	olling			(I20) Engin Studies	neering Management, Undergraduate Academic		
9.	IM1718	Contro	olling and Au	uditing in Insurance		(I20) Engineering Management, Undergraduate Academic Studies			
10.	A005S	Urban	sociology a	nd economics: selected c	hapters	(A00) Architecture, Specialised Academic Studies			
11.	GM502	Manag	gement in C	onstruction		(G00) Civil Engineering, Master Academic Studies			
12.	GM503	Manag	gement in a	Construction Company		(G00) Civil Engineering, Master Academic Studies			
13.	GM504	Select	ed Chapters	s in Construction Econom	у	(G00) Civil	Engineering, Master Academic Studies		
14.	IMDS89	Contro	olling and In	ternal Audit in Corporate (Governance	(I22) Engi Studies	neering Management, Specialised Academic		
15.	IMDS90	Select	ed Chapters	s of Strategic Managemer	nt Accounting	(I22) Engi Studies	neering Management, Specialised Academic		
16.	KIR002	Contro	ollina			(I20) Engi Studies	neering Management, Specialised Professional		
			5			(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		
17		Financ	vial Modelin	-		(I20) Engi Studies	neering Management, Specialised Professional		
17.	1111003			y		(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		
40	KONA					(I20) Engi Studies	neering Management, Specialised Professional		
18.	KON01	Contro	olling Planni	ng		(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		
						(I20) Engi Studies	neering Management, Specialised Professional		
19.	KON02	Contro	olling Data a	nd Reporting		(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		



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

Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

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

		cing field by the teacher in the debred	ited study programme						
	ID	Course name		Study programr	ne name, study type				
20.	MUO00 2	Management Accounting, Auditing a	nd Controlling	(I20) Engineerin Studies	g Management, Specialised	Professional			
21	670002	Calastad Chapters in Applied Manag	rement	(I20) Engineerin Studies	g Management, Specialised	Professional			
∠1.	5ZP003	Selected Chapters in Applied Manag	ement	(IB0) Engineerin Professional Stu	ng Management - MBA, Spe dies	cialised			
22.	Z513A	Economics and the environmental pr	rotection	(Z20) Environme	ental Engineering, Master Ac	ademic Studies			
23.	IM2319	IM2319 Project evaluation (OM1) Mathematics in Engineering, Master Academic							
				(I20) Engineering	g Management, Master Acad	demic Studies			
24.	IM2419	Business in Terms of Globalization		(I20) Engineering	g Management, Master Acad	demic Studies			
				(M50) Energy M	lanagement, Master Acaden	nic Studies			
25.	IM2426	Operational Audit and Controlling		(OM1) Mathema Studies	atics in Engineering, Master	Academic			
26.	ZRMI3A	Sociological and Legal Aspects of O	ccupational Safety	(Z01) Safety at V	Work, Master Academic Stu	dies			
27.	A005	Urban Sociology and Economics – S	elected Chapters	(A00) Architectu	ire, Doctoral Academic Stud	ies			
28.	IMDR89	Controlling and Internal Audit in Corp	oorate Governance.	(I20) Industrial E Doctoral Academ	Engineering / Engineering M nic Studies	anagement,			
29.	J. IMDR90 Selected Chapters of Strategic Managment Accounting (120) Industrial Engineering / Engineering Management, Doctoral Academic Studies								
Rep	oresentative	refferences (minimum 5, not more that	an 10)						
1.	Perović V 2010) , A	., Nerandžić B., Bulatović B.: The Tra ctual Problems of Economics, 2013, N	ansition Processin the Io 02-2013, ISSN 199	Context of Privati 3-6788	zation in the Republic of Se	rbia (2001-			
2.	Perović V Primary F	., Nerandžić B., Bojanić R., Živkov E., Focus on the Cash-flow in the Compar	, Bulatović B.: Inflence ny, Metalurgia internat	e of Controlling th ional, 2013, No 3	e Investment Projection ERI - 2013, ISSN 1582-2214	⊃ (M) With			
3.	Nerandži and acco	ć B., Perović V.: Personality and mora unting ethics, African Journal of Busin	al character traits and ess Management, 201	acnowledging the 1, ISSN 1993-82	principles of management of 33	ethics,auditing			
4.	Perović V 1993-823	 Controlling as a useuful managame 3 	ent instrument in crisis	times, African Jo	urnal of Business Managem	nent, 2011, ISSN			
5.	Pečujlija Business	M., Perović V., Nerandžić B.: Initiating Management, 2010, Vol. 4, No 18, pp	g innovation in Serbiar 5. 3957-3967, ISSN 19	n companies orga 193-8233	nizational cultures, African J	lournal of			
6.	Perović V priložnost	'.: Controlling - a Chalange or necess ti kontrolinga, Ptuj, 24-25 Septembar,	ity in time of crisis, 9. 2009	International Conf	ference, Srečanje kontrolerje	ev: IZZivi in			
7.	Demko-R multidiviz Ekonoms	ihter J., Perović V., Nerandžić B.: Ha ionalnog preduzeća, 15. Strategic Ma ki fakultet Subotica, 22 April, 2010, IS	rmonizacija finansijske nagement and decisio BN 978-86-7233-252-	e i perspektive uče n support system 0	enja i rasta u cilju povećanja s in strategic Management,	i vrednosti Subotica:			
8.	Perović V Conferen 2010, pp.	⁷ ., Nerandžić B., Bojanić R., Radišić S ce for Entrepreneurship, Innovation ar 633-639	., Demko-Rihter J.: Cond Na Regional Developm	ontrolling – as a C nent ICEIRD, Nov	Choice for Recent SME's, 3. i Sad: Fakultet tehničkih nau	International ıka, 27-29 Maj,			
9.	Nerandži Engineeri UDK: CO	ć B., Perović V.: Internal audit, operat ing Technologies - ICET, Novi Sad: Fa BISS.SR-ID 245100807	tional audit and corpor akultet tehničkih nauka	ative managemer a, 28-30 April, 200	nt, 4. Internacional Conferen)9, pp. 233-238, ISBN 978-8	ice on 6-7892-227-5,			
10.	Perović V Technolo COBISS.	′., Nerandžić B., Todorović A., Bojanić gies - ICET, Novi Sad: Fakultet tehnič SR-ID 245100807	R.: Controlling in a b kih nauka, 28-30 April	ig company, 4. In , 2009, pp. 239-24	ternacional Conference on E 42, ISBN 978-86-7892-227-	Engineering 5, UDK:			
Sur	Summary data for teacher's scientific or art and professional activity:								
Quot	ation total :		1						
Total	of SCI(SSC	CI) list papers :	5						
Curre	ent projects	<u>.</u>	Domestic :	1	International :	0			



Study Programme Accreditation **Civil Engineering**



MASTER ACADEMIC STUDIES

Nam	e and last n	ame:			Radonjanin S	onjanin S. Vlastimir			
Acad	lemic title:				Associate Professor				
Nam	Name of the institution where the teacher works full time and Fa					Faculty of Technical Sciences - Novi Sad			
starti	ng date:	- 1-1-			01.11.1987		ring Orgalities Assessed as I Organization		
Scier	Academic parioer Veer Institution					IVII Enginee	Find		
Acau	lemic caree	:1	rear	Institution			Field		
Acad	lemic title el	ection:	2008	Faculty of Technical Scie	ences - Novi S	ad	Assesment and Construction Sanation		
PhD	thesis		2003	Faculty of Civil Engineer	ing - Beograd		Materials in Civil Engineering and Concrete Technology		
Magi	ster thesis		1994	Faculty of Technical Scie	ences - Novi S	ad	Materials in Civil Engineering and Concrete Technology		
Bach	elor's thesis	3	1982	Faculty of Civil Engineer	ing - Beograd		Civil Engineering		
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.	A202	Structu	ures, Materi	als and Building		(A00) Arch	nitecture, Undergraduate Academic Studies		
2.	GG09	Materi	als in Const	truction 2		(G00) Civi	I Engineering, Undergraduate Academic Studies		
3.	GG21	Concre	ete Technol	ogy		(G00) Civi	l Engineering, Undergraduate Academic Studies		
4.	URZP13	Buildin	ig materials	and structures		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
5.	GG504	Durabi	ility and Ass	sessment of Concrete Stru	ictures	(G00) Civil	Engineering, Master Academic Studies		
6.	GG506	Profes	sional Prac	tice		(G00) Civil	Engineering, Master Academic Studies		
7.	GG517	Damag Structu	ges and Re ures	pair of Masonry, Steel and	d Timber	(G00) Civil	Engineering, Master Academic Studies		
8.	GG518	Repair	of Concret	e Structures		(G00) Civil	Engineering, Master Academic Studies		
9.	GP502	Bridge	Manageme	ent		(G00) Civil	Engineering, Master Academic Studies		
10.	URZP62	Asses	sment of Da	amaged Structures		(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
11.	GS009	Energy thermo	y-efficient m otechnical p	naterials and diagnostic of erformances	building	(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic		
12.	GS010	The de	esign of ene	ergy efficient buildings		(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic		
13.	GS011	Energy	y revitalizati	on of buildings		(G10) Energy Efficiency in Buildings, Specialised Academic Studies			
14.	SDGI1A	Odabr konstr	ana poglavl ukcija	ja iz građevinskih materija	ıla i	(GI0) Geodesy and Geomatics, Specialised Academic Studies			
15.	GD005	Select	ed Chapter	s in Concrete Theory and	Technology	(G00) Civil Engineering, Doctoral Academic Studies			
16.	GD008	Conter	mporary Me	thods in Concrete Structu	re Design	(G00) Civil Engineering, Doctoral Academic Studies			
17.	GD013	Earthq	uake Engin	ieering		(G00) Civi	I Engineering, Doctoral Academic Studies		
18.	GD015	Rheolo	ogy of Conc	crete Structures		(G00) Civi	l Engineering, Doctoral Academic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.	Radonjar armiranol	iin,V. (2 petonsk	003): Prilog im konstruk	i istraživanju osnovnih kar cijama, Magistarska teza	akteristika beto	ona modifiko	ovanih polimerima sa aspekta njihove primene u		
2.	Radonjar armiranol	in,V.(19 petonsk	994): Param ih konstruko	netarska analiza karakteris cija, Doktorska disertacija	stika reparaturr	nih maltera s	a aspekta njihove primene pri sanaciji		
3.	Folić, R., July/Aug	Radonja ust 1998	anin, V. (19 3. pp.463-47	98): Experimental researc	h on polymer r	modified cor	ncrete, ACI Materials Journal, VOL. 95 No. 4,		
4.	Marinkov natural ar	ic Sneza	ana B, Rad	Ionjanin Vlastimir S, Male ate concrete (Article). WA	sev Mirjana, Ig STE MANAGE	gnjatovic IS, MENT, (201	Comparative environmental assessment of 10), vol. 30 br. 11, str. 2255-2264		
5.	Stojanovi Materials	c Gorar Usina a	M, Radov Wireless F	anovic Milan, Malesev Mi Passive Sensor (Article). S	irjana, Radonji ENSORS. (20	anin Vlastim 10), vol. 10	ir S, Monitoring of Water Content in Building br. 5, str. 4270-4280		
6.	Maksimo a LTCC s Issue 1, J	vic M.; S ensor fo lanuary	Stojanovic C pr measurin 2012, pp. 3	G., Radovanovic M.; Males g moisture content of build 27–333 (http://dx.doi.org/	sev M.; Radonj ding materials, 10.1016/j.conb	anin V., Rac Elsevier - C uildmat.201	losavljevic G.; Smetana W (2012).: Application of Construction and Building Materials, Volume 26, 1.06.029)		
7.	Folić, R., Journal "(Radonj Constru	anin, V., Ma ction and B	alešev, M. (2002): The ass uilding Materials", No. 16	essment of the (2002), Elsevie	e Structure o er Science, L	of Novi Sad Open University Damaged in Fire, London, pp.427 - 440.		

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	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKNX H
IVE	NOR COR	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	
0.2		Study F	on	Con the second		
`O	PLANTER	MASTER ACADEMIC STUDIES		Civil Engineering	HO.	
Re	presentative re	efferences (minimum 5, not more th	an 10)			
8.	Matić B., Te payment te (UDC – UD	epić J., Sremac S., Radonjanin V., I mperature prediction, Journal "Meta K 621.747.621.006.2:658.564=111	Matić D., Jovanović P.: alurgija", Croatian meta), pp.329-332	Development an allurgical society,	d evaluation of the model fo Zagreb, Croatia, ISSN: 054:	or the surface 3-5846, 2012
9.	Pavlović, P Building Ma	., Folić, R., Radonjanin, V., Tatomir aterials", Vol. 11. No. 5-6 (1997), Els	ović, M. (1997): The T sevier Science, Londo	esting and Repair n, pp.353-363.	of Steel Silo, Journal "Con	struction and
10. Radonjanin, V., Malešev, M., Folić, R. (2007): Assessment and repair of the bearing structure of a multi-storey parking gar Journal of Building Appraisal, Volume 2, Issue 4, Publisher "Palgrave Macmillan", London, UK, February 2007, pp. 335-34						rking garage, p. 335-354.
Summary data for teacher's scientific or art and professional activity:						
Quo	tation total :		24			
Tota	I of SCI(SSCI)) list papers :	7			
Curr	ent projects :		Domestic :	2	International :	1



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Nam	e and last n	ame:				Radović M. Nebojša					
Acad	emic title:					Assistant Professor					
Nam	Name of the institution where the teacher works full time an					Faculty of Te	chnical Scie	nces - No	ovi Sad		
starti	ng date:					01.02.2010					
Scier	ntific or art f	ield:	1			Traffic Paths					
Acad	emic cariee	er	Year	Institution				Field			
Acad	emic title el	ection:	2010					Traffic F	Paths		
PhD	thesis		2006	Faculty of Techni	ical Sci	ences - Novi S	ad	Traffic F	Paths		
Magi	ster thesis		1999	Faculty of Civil E	ngineer	ring - Beograd		Traffic F	Paths		
Bach	elor's thesis	S	1989	Faculty of Civil E	ngineer	ring - Beograd		Traffic F	Paths		
List c	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	s				
	ID	Course	e name				Study pro	gramme	name, study type		
1.	GP403	Select	ed Chapters	s in Road Design			(G00) Civil	Enginee	ring, Undergraduate Aca	demic Studies	
2.	GP501	Traffic	Network M	anagement			(G00) Civil	Enginee	ring, Master Academic S	tudies	
3.	GP503	Select	ed Chapters s	s in Planning and I	Designii	ng City Traffic	(G00) Civil	Enginee	ring, Master Academic S	tudies	
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)						
1.	"Tipologij pitanju v	a vangr angrads	adskih pute skih puteva,	va", zbornik radova izdavač Savez org	a sa XI. janizac	X Svetskog kor ija za puteve J	ngresa za pu ugoslavije, (iteve u M str. 246-2	larakešu - izbor i sinteza 254), 1992., Beograd	radova po	
2.	"Životna s pitanju v	sredina angrads	i razvoj pute skih puteva,	eva", zbornik radov izdavač Savez org	/a sa X ganizac	IX Svetskog ko ija za puteve J	ngresa za p ugoslavije, (uteve u N str. 236-2	/arakešu - izbor i sinteza 245), 1992., Beograd.	radova po	
3.	"Nove teł izveštaj p puteve C	nnike za o pitanj rne Gor	i održavanje u IV - izbor e, (str. 86-1	e i pojačanje kolovo i sinteza materijala 16), 1996., Beogra	oza", zb ı, izdav ıd	oornik radova s ači Društvo za	a XX Svetsk puteve Jugo	og kongr slavije, D	resa za puteve u Montre Društvo za puteve Srbije,	alu - generalni Društvo za	
4.	"Gradska izbor i sin 306-328)	područ iteza ma , 1996.,	ja", zbornik aterijala, izd Beograd.	radova sa XX Sve avači Društvo za p	tskog k outeve 、	ongresa za pu Jugoslavije, Dru	teve u Mont uštvo za put	trealu - Te eve Srbije	ehnički komitet za gradsł e, Društvo za puteve Crn	a područja - e Gore, (str.	
5.	"Osnove inženjera	za optir Srbije,	nizaciju upr Beograd, 20	avljanja održavanje 008.,YU ISSN 0352	em kolo 2-2733,	ovoza", Građev , UDK 625.76; (inski kalend 625.8.08.	ar 2009.	(str. 46-105), Savez grad	levinskih	
6.	"Raciona Republika	lizacija a Hrvats	gospodarer ska, 2007.	ija autocestom E-7	5, Novi	i Sad- Beograd	", Ceste i M	ostovi (st	r. 123-130), posebni broj	I, Zagreb,	
7.	"Analyses Europe, 2	s of Pav 2002. Be	rement Reh elgrade	abilitation Needs o	n the ro	oad network of	the Republic	c of Serbi	a", 3rd IRF Congress for	East - South	
8.	"The Rep Herzego	oublic of /ina, Sa	Serbia Roa rajevo 24-2	ad Database Mana 5.09.2009.	gemen	t System", THE	SECOND	B&H CON	NGRESS ON ROADS, B	osnia and	
9.	"Analyses Civil Engi 1997.	s of Pav neering	ement Surf ", (str. 387-	ace Distresses with 391), Worldwide E	n Road CCE S	Vision softwar ymposium , Eu	e", Proceedi ropian Cour	ngs: "Co ncil of Civ	mputer in the Practice of il Engineers, Lahti , Finla	Building and nd, September	
10.	"Paveme East - So	nt Evalu uth Euro	uation and F ope, 2002. I	Rehabilitation Progr Belgrade.	ramme	in the Republic	of Serbia",	Special F	Focus Yugoslavia, 3rd IR	F Congress for	
Sur	nmary data	for teac	cher's scient	tific or art and profe	essiona	al activity:					
Quot	Quotation total : 0										
Total	of SCI(SS	CI) list p	apers :		1		·				
Curre	ent projects	:			Dome	estic :	0	In	ternational :	0	



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Nam	e and last n	ame:				Stipić S. Mati	ja			
Acad	lemic title:					Assistant Pro	fessor			
Nam	e of the inst	titution v	vhere the te	eacher works full tir	ne and	-				
starti	ng date:									
Scier	ntific or art f	ield:		r		Hydrotechnics				
Academic carieer Year Institution						Field	b			
Acad	lemic title e	lection:	2010					Hyd	rotechnics	
PhD	thesis		2009					Hyd	rotechnics	
Magi	ster thesis		1999					Hyd	rotechnics	
Bach	elor's thesis	s	1987					Hyd	rotechnics	
List of courses being held by the teacher in the accredited s				lited stu	udy programme	es				
						a t 1				
	U	Course	Course name				Study programme name, study type			
1.	GG408	Municipal Hydrotechnics				(G00) Civi	l Engii	neering, Undergraduate Aca	demic Studies	
2.	URZP17	Devices and systems in fire protection				(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			Safety,	
3.	URZP40	Statior	nary System	ns for Fire Extinguis	shing		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			Safety,
4.	GH501	Hydrau	ulics 2				(G00) Civil Engineering, Master Academic Studies			
5.	ZP507	Desigr Syster	n and Maint ns	enance of Stationa	ry Fire	Extinguishing	(ZP1) Disaster Risk Management and Fire Safety, Master			Safety, Master
6.	MPK003	Napree	dno sanitar kom)	no inženjerstvo(une	eti naziv	v na	(MPK) Inž naziv na e	ienjers ngleds	stvo tretmana i zaštite voda · skom), Master Academic Stu	TEMPUS(uneti
7.	MPK029	Hidrau	ilika podzer	nnih voda			(MPK) Inž naziv na e	tenjers ngleds	stvo tretmana i zaštite voda skom), Master Academic Stu	· TEMPUS(uneti idies
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)					
Sur	nmary data	for tead	her's scien	tific or art and profe	essiona	I activity:				
Quotation total :										
Tota	of SCI(SS	CI) list p	apers :							
Curre	ent projects	:			Dome	estic :			International :	



Study Programme Accreditation





Name and last name:					Trivunić R. Milan			
Acad	emic title:				Full Professor			
Name	e of the inst	itution v	where the te	acher works full time and	Faculty of Teo	chnical Scie	nces - Novi Sad	
starti	ng date:				22.10.1985			
Scier	ntific or art f	ield:			Organization,	Constructio	n Technology and Management	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2007	Faculty of Technical Scie	ences - Novi Sa	ad	Organization, Construction Technology and Management	
PhD	thesis		1996	Faculty of Technical Scie	ences - Novi Sa	ad	Organization, Construction Technology and Management	
Magi	ster thesis		1992	Faculty of Technical Scie	ences - Novi Sa	ad	Organization, Construction Technology and Management	
Bach	elor's thesis	6	1985	Faculty of Technical Scie	ences - Novi Sa	ad	Organization, Construction Technology and Management	
List o	f 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.	A374	Projec	t and Const	ruction Management 1		(A00) Arch	nitecture, Undergraduate Academic Studies	
2.	GG31	Techn	ology and E	Building Organization 1		(G00) Civil	Engineering, Undergraduate Academic Studies	
3.	GG311	Techn	ology and E	Building Organization in Hy	/drotechnics	(G00) Civil	Engineering, Undergraduate Academic Studies	
4.	GG33	Techn	ology and E	Building Organization 2		(G00) Civil	Engineering, Undergraduate Academic Studies	
5.	GG404	Precas	sting and As	ssembly Technology		(G00) Civil	Engineering, Undergraduate Academic Studies	
6.	ZR302A	Safety	at work in d	construction		(Z01) Safety at Work, Undergraduate Academic Studies		
7.	ZRI43A	Manag	ement of sa	afety at work process in co	onstruction	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
8.	A394	Projec	t and Buildi	ng Management 2		(AH0) Arch	nitecture, Master Academic Studies	
9.	GG506	Profes	sional Prac	tice		(G00) Civil	Engineering, Master Academic Studies	
10.	GG520	Indust	rial Methods	s in Construction		(G00) Civil	Engineering, Master Academic Studies	
11.	GM501	System Theory and System Analysis				(G00) Civil	Engineering, Master Academic Studies	
12.	ZP514	Plannii catastr	ng and orga	anizing activities during ev equences	ents with	(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies	
13.	GD004	Select	ed Chapters	s in Construction Manager	ment	(G00) Civi	I Engineering, Doctoral Academic Studies	
14.	GD010	Advan	ced Building	g Technologies		(G00) Civi	I Engineering, Doctoral Academic Studies	
15.	ZRD237	State a work in	and develop the constr	oment trends of health and uction	l safety at	(Z01) Safety at Work, Doctoral Academic Studies		
Rep	oresentative	reffere	nces (minim	num 5, not more than 10)				
1.	Trivunić, tehničkih	M., Mati nauka,	jević, Z. (20 Edicija tehr)04, 2006): Tehnologija i c ničke nauke, br. 96 i br. 12	organizacija gra 6, Novi Sad, st	iđenja. Prak r. 1-199.	tikum, Univerzitet u Novom Sadu, Fakultet	
2.	Vuković, of Resea pp. 55-59	S., Trivu rch, Dev	unić, M. (19 velopment a	95): "Site management ar and Demonstration "Buildir	nd production a ng Research ar	nalysis of co nd Informatio	oncrete hall assembly". The International Journal on", Volume 23, Number 1, E. and F.N. Spon, UK,	
3.	Trivunić, Internatio	M. (199 nal Sen	7): "An Exp ninar on Ind	ert System for The Optimi lustrialization Building: Pre	zation of Prefa	bricated Cor I Future Tre	ncrete Hall Element Assembly". CIB W-24 nds, Haifa, Israel, pp. E-1-E-11.	
4.	Trivunić, Internatio	M. (199 nal Sym	9): "PRIMA" posium an	TES-An Expert System For Automation and Robotics	or Selecting The in Construction	e Optimal H n, Madrid, S	all Assembly Method". 16th IAARC/IFAC/IEEE pain, pp. 173-179.	
5.	Trivunić, str. 148-1	M., Folio 57.	ć, R. (1999)	: "Proračun ankera i užad	i za zahvatanje	montažnih	betonskih elemenata". "Izgradnja", br. 53, 6/99,	
6.	Trivunić, ″Građevir Budapest	M., Draž narstvo- , pp. 10	žić, J. (2000 građevinski 9-116.)): "The optimization of pre menadžment 2000" – Ne	efabricated con mzetközi konfe	crete hall el rencia "ÉPÍ	ement production". Međunarodna konferencija TÖIPAR – ÉPÍTÉSI MENEDZSMENT 2000",	
7.	Trivunić,	M. (200	1): "Tehnolo	ogija i organizacija nadgra	dnje zgrada". "	Materijali i k	construkcije", br. 1-2, Beograd, str. 56-60.	
8.	Matijević, Performa	Z., Triv nces of	unić, M. (20 A Company	006): "Adaption of Benchm y", International Conference	narking for The ce VSU"2006, 2	Application 22 may - 23	in The Hybrid method for Improving The may, 2006, Sofia, Bulgaria, Vol II, pp. V-1 - V-6.	
9.	Matijević, Mass Cus Netherlar	Z., Triv stomizat nds, 03-0	unić, M. (20 tion", Adapt 05 July 200	006): "Transformation of th ables2006, TU/e, Internat 6, Volume 1, pp.3-232 - 3	ne Organisatior ional Conferen -236	al Structure ce On Adap	e of Construction Companies for the Purpose of table Building Structures Eindhoven, The	

5	TAS STUD		UNIVERSITY OF NO	VISAD		WHIKNX HA			
MA	C BAR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
U. Ne		Study F	on	CAL CAL					
.0	LANTER	MASTER ACADEMIC STUDIES			Civil Engineering	HO			
Re	presentative r	efferences (minimum 5, not more th	an 10)						
10.	Trivunić, M Manageme Engineering pp.84-91.	. (1997): Assembly management as nt ?97? (editors: K.Delević, E.Male: g Beograd, Faculty of Civil Engineer	a part of the construc šević, Ž.Praščević, J.G ring Budapest, Faculty	tion process. ?Co Syulay), Faculty o of Architecture B	onstruction Technology - Co f Civil Engineering Subotica Budapest, Subotica, June 3r	nstruction , Faculty of Civil d-4th 1997,			
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:						
Quo	tation total :		0						
Tota	I of SCI(SSCI) list papers :	3						
Curr	ent projects :		Domestic :	2	International :	0			



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

Nam	e and last n	ame:			Ubavin M. Dejan				
Acad	lemic title:				Assistant Pro	fessor			
Nam	e of the inst	titution v	vhere the te	eacher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad		
Starti	ng date.	* - I -I -			01.08.2005				
Scier	nunc or art r		Maar	la effection	Environment	Protection E	Engineering		
Academic carleer Year Institution									
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 c	of courses b	eing he	Id by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	ogramme name, study type		
		0				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
1.	Z205	Enviro	nable Use o	of Natural Resources and otection System		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
		2				(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
2.	Z309A	Solid V	Waste Mana	agement		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
3.	Z401A	Desigr	n and Plann	ing in Environmental Prot	ection	(Z20) Envi Studies	(Z20) Environmental Engineering, Undergraduate Academic Studies		
4.	Z401B	Desigr	n and Plann	ing in Environmental Engi	ineering	(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
5.	Z409A	Hazaro Techn	dous Waste ologies	Management and Recycl	ling	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
6.	Z414	Contemporary Methods of Soil Remediatio			ı	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
7.	OAS214	Integra	alni katastar	zagađivača(uneti naziv n	a engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
8.	Z309A	Upravl	ijanje čvrstir	m 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			
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	; ;	(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	projektovanja u zaštiti život iv 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	ll desing an	d municipal waste treatma	ant systems	(G00) Civil	Engineering, Master Academic Studies		
19.	MPK027	Manag	gement of e	nvironmental facilities		(MPK) Inž naziv na e	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
20.	SZSP21	Desigr Hazar	n and Plann dous Materi	ing Processes to Minimize	e Waste and	(Z00) Env Studies	ironmental Engineering, Specialised Academic		
21.	ZD052	Efficie Develo	nt Use of Na opment	atural Resources and Low	/-Carbon	(Z00) Env Studies	ironmental Engineering, Doctoral Academic		
22.	ZDI23	Materi	al Flow Ana	alysis in Urban Systems		(Z00) Environmental Engineering, Doctoral Academic Studies			

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

Study Programme Accreditation

MASTER ACADEMIC STUDIES

Course name

Civil Engineering

List of courses being held by the teacher in the accredited study programmes Study programme name, study type (OM1) Mathematics in Engineering, Doctoral Academic Studies Design and Planning Processes to Minimize Waste and (Z00) Environmental Engineering, Doctoral Academic Hazardous Materials Studies (Z01) Safety at Work, Doctoral Academic Studies ZRD213 Current state and development tendencies of quality (Z01) Safety at Work, Doctoral Academic Studies d safety (Z01) Safety at Work, Doctoral Academic Studies

24.	ZRD213	Current state and development tendencies of qu						
		management of work environment						
25.	700221	Economic implication of occupational health and						
	ZRDZ31	projects implementation						
Rep	Representative refferences (minimum 5, not more than 10)							
1.	Stanisavl strategies	jević N., Ubavin D., Batinić B., Fellner J., Vujić G. s: a case study, WASTE MANAGE RES, 2012, IS						

20.	projects implementation		· , ,						
Rep	presentative refferences (minimum 5, not more th	an 10)							
1.	Stanisavljević N., Ubavin D., Batinić B., Fellner strategies: a case study, WASTE MANAGE RE	J., Vujić G.: Methane S, 2012, ISSN 0734-2	e emissions from I 242X	andfills in Serbia and potenti	al mitigation				
2.	Vukmirović G., Vukmirović S., Vujić G., Stanisa characteristics in order to achieve specific was Research (JSIR), 2011, Vol. 70, No 07, pp. 513	avljević N., Ubavin D., te management target 3-518, ISSN 0022-445	Batinić B.: Using s -case study of S 6	ANN model to determine fut Serbia, Journal of Scientific a	ture waste and Industrial				
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., Milovanović D., Ubavin D.: Analiza koncentracionih nivoa čestičnih materija (PM10, ukupnih suspendovanih čestica i čađi) u Zrenjaninu, Hemijska industrija, 2010, Vol. 64, No 5, pp. 453-458, ISSN 0367-598X								
5.	Landfill gas modelling and risk assessment in the purpose of the good managing in municipal landfill of Novi Sad - CHISA 2004, 16th International Congress of Chemical and Process Engineering, Prague, Czech Republic, August 2004								
6.	Analysis of location for building objects; - Sixth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States (Prague 2003), Czech Republic, September 2003								
7.	Vujić, G. Batinić, B. Ubavin, D. Stanisavljević. I waste management policy in Vojvodina, Serbia	N., Analysis of municip , ISWA/WMRAS Worl	al waste content d Congress, Sing	& waste amount as the basis apore: ISWA, 03 06. Nove	s for the new mbar, 2008.				
8.	Ubavin D., Vujić G., Stanisavljević N., Batinić E Serbia, 1. The ISWA 2012 World Solid Waste (907694-2-9	 Mirosavljević Z.: Na Congress, Florence: IS 	ational Methane E SWA, 17-19 Septe	missions from Waste Dispo mbar, 2012, pp. 1279-1287,	sal Sites in ISBN 978-88-				
9.	Stanisavljević N., Jokanović S., Batinić B., Uba East Europe, Exemplified for The City of Novi S Septembar, 2012, pp. 1266-1272, ISBN 978-88	ivin D., Vujić G.: Evalı Sad, 1. The ISWA 201 3-907694-2-9	uation of Different 2 World Solid Wa	Waste Management Optior ste Congress, Florence: ISW	ns for South /A, 17-19				
10.	Batinić B., Ubavin D., Stanisavljević N., Vujić G., Tot B.: Analysis of relation between socioeconomic factors and MSW practice using ANN models, 1. The ISWA 2012 World Solid Waste Congress, Florence: ISWA, 17-19 Septembar, 2012, ISBN 978-88- 907694-2-9								
Sur	nmary data for teacher's scientific or art and profe	essional activity:							
Quot	ation total :	3							
Tota	l of SCI(SSCI) list papers :	4							
Current projects : Domestic : 3 International : 0									



ID

ZSP21

23.



Study Programme Accreditation



MASTER ACADEMIC STUDIES

Civil Engineering

Name and last name:						Uzelac N. Dušan				
Acad	lemic title:					Full Professo	r			
Nam	e of the inst	itution v	vhere the te	acher works full tir	ne and	Faculty of Te	chnical Scie	nces - Novi Sad		
starti	ng date:					09.11.1973				
Scier	ntific or art f	ield:		ſ		Applied Fluid	Mechanics	- Hydro Pneumatic Technics		
Acad	lemic cariee	er	Year	Institution				Field		
Acad	lemic title el	ection:	2002	Faculty of Techni	ical Sci	ences - Novi S	ad	Applied Fluid Mechanics - Hydr Technics	o Pneumatic	
PhD thesis 1991 Faculty of Technical S					ical Sci	ences - Novi S	ad	Mechanical Engineering		
Magi	ster thesis		1981	Faculty of Techni	ical Sci	ences - Novi S	ad	Mechanical Engineering		
Bachelor's thesis 1973 Faculty of Technical S					ical Sci	ences - Novi S	ad	Mechanical Engineering		
List o	of courses b	eing he	ld by the te	acher in the accred	lited stu	udy programme	s			
	ID	Course	e name				Study pro	gramme name, study type		
		<u> </u>	10				(M30) Ene Academic	ergy and Process Engineering, Ui Studies	ndergraduate	
1.	M3301	Pumpi	ng and Cor	npression Stations			(ZC0) Clea	an Energy Technologies, Underg Studies	raduate	
	Moooo	Deidi	- f-+ NA				(M30) Ene Academic	ergy and Process Engineering, Un Studies	ndergraduate	
2.	M3306	Device	es for iviech	anical Purification			(ZC0) Clea	0) Clean Energy Technologies, Undergraduate demic Studies		
3.	M3403	Fluid Machines					(M30) Energy and Process Engineering, Undergraduate Academic Studies			
4.	M3404	Hydropneumatic Components					(M30) Ene Academic	ergy and Process Engineering, Ur Studies	ndergraduate	
5.	M3452	Gas equipment					(M30) Ene Academic	ergy and Process Engineering, Ur Studies	ndergraduate	
6.	M3496	Pipelin	e Transpor	tation			(M30) Ene Academic	ergy and Process Engineering, Ur Studies	ndergraduate	
7.	GH503	Hydro	Mechanica	I Machinery			(G00) Civil	Engineering, Master Academic S	Studies	
8.	M3516	Hidrop	neumatic s	ystems			(M30) Energy and Process Engineering, Master Academic Studies			
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)					
1.	Univerzite	etski udž	žbenik HIDI	ROPNEUMATSKE	KOMP	ONENTE, god	ina izdanja ²	1995, izdavač STYLOS, Novi Sad	t	
2.	Priručnik Sad, 200	KURS Z 2	ZA RUKOV	OĐENjE I ODRŽA	VANjE (CEVOVODA, L	JREÐAJA I I	POSTROJENJA ZA PRIRODNI G	AS, FTN, Novi	
3.	Skripta P	UMPNE	IKOMPRE	ESORSKE STANIC	CE, (aut	torizovana prec	lavanja), F1	ΓΝ, Novi Sad, 2000		
4.	D. Uzelao Universita	c, S. Taš atis. Vol	šin, Solving 1. No3. Niš	Flow Field in Cent	rifugal	Impellers of Flo	w Machines	s by Applying Boundaru Elements	s Methods, Facta	
5.	Uzelac D Applied&	, Šosta Comput	kov R., Mili ing Mathem	savljević B., Tašin natics. Vol 1. Košic	S., Bou e.1997	Indaru Element	s Method A	pplied in Analysis of Flow Field in	n Turbomachines,	
6.	Uzelac D Niš. 1998	., Šosta	kov R., Taš	in S., Starting of a	n Electr	ic Motor Drive	with Hydrod	inamic Coupling, Facta Universit	atis, Vol 1, No5,	
7.	Šostakov	R., Uze Mobilit	elac D., Čas v&Vehicles	nji F., Surveying T Mechanics, Kragu	he Trar ievac. 1	nssient Operati 1999	ng Egimes o	of a Driving Mechanism Wiht a H	lydrodynamic	
8.	Uzelac. Г) Tašin	. S.: Delimi	čna automatizacija	dvolini	iiske gasne sta	nice. Termo	tehnika 1-4. Beograd, 1998		
9.	Šostakov TRANSIE 2007	R., Uze	elac D., Brk GIMES IN A	ljač N., ON A METI AN EASY-TO-SUR	HOD FO	OR REPRESE	NTING THE PRACTICE A	MACHINE DRIVING SYSTEMS AND EDUCATION, Machine Desi	OPERATION IN ing, Novi Sad,	
Sur	nmary data	for tead	her's scien	tific or art and profe	essiona	I activity:				
Quot	ation total :				0					
Tota	of SCI(SS	CI) list p	apers :		0					
Current projects : Domestic : 0						International :	0			



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering

Nam	Name and last name:					Uzelac D. Đo	rđe				
Acad	emic title:					Full Professor					
Nam	e of the inst	itution v	here the te	acher works full tin	ne and	Faculty of Teo	chnical Scier	nces -	Novi Sad		
starti	ng date:					01.10.1999					
Scier	ntific or art f	eld:				Traffic Paths					
Acad	emic cariee	r	Year	Institution				Field			
Academic title election: 2004 Faculty of Technical Sc					cal Sci	al Sciences - Novi Sad			Traffic Paths		
PhD	thesis		2000	Faculty of Civil Er	ngineer	ring - Beograd		Traff	ic Paths		
Magi	ster thesis		1987	Faculty of Civil Er	ngineer	ring - Beograd		Traff	ic Paths		
Bach	elor's thesis	\$	1974	Faculty of Civil Er	ngineer	ring - Beograd		Traff	ic Paths		
List c	of courses b	eing he	d by the tea	acher in the accred	ited stu	udy programme	S				
	ID Course name						Study programme name, study type				
1.	GG20	Road a	and Traffic I	Networks			(G00) Civil	Engi	neering, Undergraduate Aca	ademic Studies	
2.	GP401	Inform	ation Syste	m Aided Structure I	Manag	ement	(G00) Civil	Engir	eering, Undergraduate Aca	demic Studies	
3.	GP402	Road S	Structures				(G00) Civil	Engir	eering, Undergraduate Aca	demic Studies	
4.	GP403	Select	ed Chapters	s in Road Design			(G00) Civil	Engir	eering, Undergraduate Aca	demic Studies	
5.	S0326	S0326 Roads and Junctions					(S00) Traff Academic S	fic and Studie	d Transport Engineering, Ur s	ndergraduate	
6.	GP502	Bridge	Manageme	ent			(G00) Civil	Engir	eering, Master Academic S	itudies	
Rep	Representative refferences (minimum 5, not more than 10)										
1.	Formiranj	e relaci	one baze p	odataka pomoću IN	IFORM	1IX-SQL RDBM	S, IMS Instit	tut, Be	eograd, 1992. (181 strana).		
2.	Teza: "Ra	azvoj op	timalnog si	stema za formiranje	e baze	podataka o mr	eži puteva",	Građe	evinski fakultet, Beograd, 19	993.	
3.	Toplotni r	ežim i n	jegov uticaj	na mehaničko por	našanje	e materijala u ko	olovoznoj ko	nstru	cciji		
4.	Uzelac Đ Republike	. i sarad e Srbije,	anici: Baza Beograd, c	podataka o mosto oktobar 2003	vima, L	Jputstvo za rad	. Fakultet te	hnički	h nauka, Novi Sad i Direkci	ja za puteve	
5.	Uzelac D National a Yugoslav	J.: Struc and 3RE Engine	ctures and E D Internation ering Acade	Buildings maintenar nal scientific meetir emy, Novi Sad, Nov	nce ma ng ""INI vembai	nagement con DIS 2003"", Pro r 2003, str. 395	cept with exa oceedings, U -406.	ample Iniver	of bridges on national road sity of Novi Sad in cooperat	I network. 9TH ion with	
6.	Uzelac Đ Građevin	.: Baze ski kalei	podataka c ndar 1999.	o putevima, mostov (str. 169-232), Save	ima i sa ez grad	aobraćaju u okv đevinskih inžen	viru integrisa jera i tehniča	anog i ara Ju	nformacionog sistema o pu goslavije, Beograd, noveml	tnoj mreži, par 1998.	
7.	Uzelac Đ 80 - 96), '	.: Semi 'Srbijap	nar - Uprav ut", mart 19	ljanje putevima i sis 92.godine.	stemi u	pravljanja, pog	lavlje II: Info	rmaci	oni sistem za puteve (stran	e 32 - 55 (strane	
8.	Babić B., "Temi II - "Analysis	Uzelac Gradjer of the ir	Ð. i grupa a nje i održava ncreased av	autora: Generalni iz anje puteva", (str. 5 kle load impact on p	veštaj 579-596 paveme	za XIX Svetski 6), Marakeš, Ma ent structures".	kongres za aroko, septe	putev mbar	e, Jugoslovenski nacionaln 1991. Đorđe Uzelac je auto	i izveštaj po or odeljka	
9.	Metode z	a obrad	u podataka	izmerenih deflekto	grafom	n "Lacroix", "Pu	t i saobraćaj	", 7-8	(1980, (str. 37-43), Beograd		
10.	Problem Beograd	utvrdjiva	inja stanja l	kolovoznih konstruk	- kcija i n	ijihovog prilago	djavanja sao	obraća	aju, "Put i saobraćaj", 3-4/19	985 (str. 10-15),	
Sur	nmary data	for teac	her's scient	ific or art and profe	essiona	I activity:					
Quot	ation total :				0						
Total	of SCI(SSC	CI) list p	apers :		0						
Current projects : Domestic : 1 International :						0					



Study Programme Accreditation





Name	Name and last name:					Vasić V. Milinko				
Acad	emic title:					Full Professor				
Name	e of the inst	itution w	here the te	acher works full tim	e and	Faculty of Teo	chnical Scie	nces - Novi Sad		
starti	ng date:					15.03.1976				
Scier	ntific or art fi	eld:				Geotechnics				
Acad	emic cariee	r	Year	Institution		Field				
Acad	emic title el	ection:	2007	Faculty of Technic	al Scie	ences - Novi Sa	ad	Geotechnics		
PhD	thesis		1993	Faculty of Mining a	and Ge	eology - Beogra	ad	Geotechnics		
Magi	ster thesis		1983	Faculty of Mining a	and Ge	eology - Beogra	ad	Geotechnics		
Bach	elor's thesis	5	1975	Faculty of Mining a	and Ge	eology - Beogra	ad	Geotechnics		
List o	f courses b	eing hel	d by the tea	acher in the accredit	ted stu	idy programme	S			
	ID	Course	e name				Study pro	gramme name, study type		
1.	GG01	Engine	ering Geol	ogy			(G00) Civi	Engineering, Undergraduate Aca	ademic Studies	
2.	GI102	Funda	mentals in (Geosciences			(GI0) Geo Studies	lesy and Geomatics, Undergradu	ate Academic	
3.	GP404	Geoteo	chnics				(G00) Civil	Engineering, Undergraduate Aca	demic Studies	
4.	URZP18	Stabilit	y of terrain				(ZP0) Disa Undergradi	ster Risk Management and Fire S late Academic Studies	Safety,	
5.	GP504	GP504 Tunnels					(G00) Civil Engineering, Master Academic Studies			
6.	MPK017 Fundamentals of Geosciences						(MPK) Inžo naziv na er	enjerstvo tretmana i zaštite voda - gledskom), Master Academic Stu	- TEMPUS(uneti udies	
7.	/ DGI020 Selected chapters in geodynamics						(GI0) Geo	lesy and Geomatics, Doctoral Ac	ademic Studies	
Rep	oresentative	refferer	nces (minin	num 5, not more tha	ın 10)					
1.	Vasić M.	Inženjer	ska geolog	ija, udžbenik, FTN, ž	2002,	305str.				
2.	Vasić M.O	Geotehn	ičke klasifik	kacije stenskih masa	a za po	odzemne objek	te, Monogra	fija, FTN, 2007, 180str.		
3.	P. Lokin., br17-18-l	N.Pavlo straživa	ović., M.Pet nje i sanaci	tričević., M.Vasić : P ja klizišta, str. 92-10	Primeri)2., Tu	istraživanja kli zla, 2000.	zišta u podr	ıčju Tuzle, naučno-stručni časopi	s Rudarstvo	
4.	P.Lokin, N special re Environm	A.Vasić. ference ent, str.	., M.Petriče to Fruška (2659-2666	vić, M., Z. Janošev: Gora, eighth Interna , Vancouver, Canac	On the cional da, 199	e disturbance a Congress Inte 98.	and protection rnational As	n of the geological medium in na sociation for Engineering Geology	tural parks with y and the	
5.	Lokin,P., symposiu	Vasić,M m on la	I., Saković, ndslide, str.	S., Petričević,M.: La .803-808, Trondhein	ndslid n, Nor	e along the Da way, 1996.	nube bank a	t Novi Sad, Yugoslavia, 7. interna	ational	
6.	Vasić,M., Medjunar	Vasić,S odna ko	S: Klasifikov onferencija-	anje stenskih masa Pravci razvoja geote	za po ehnike	dzemne objekt , str. 414-423,	e primenom Beograd, 19	računarskog programa KLASA IF 96.	PO-96,	
7.	Đogo, M. Engineeri 10.1680/g	, Vasić, ng, Volu jeng.20	M., (2011): ume 164, Is 11.164.1.3	Landslide in the are sue 1, pp. 3-10, The	ea of th omas ⁻	ne bridge on th Telford, Londor	e Danube in n. ISSN: 135	Novi Sad. Proceedings of the IC 3-2618, E-ISSN: 1751-8563, DO	E - Geotechnical I:	
8.	Đogo, M. in the zor 142, Sprii	Vasić, ie of the nger, Be	M., Ćosić, I old Petrov erlin. ISSN:	M., (2011): Enginee aradin Fortress. Bul 1435-9529, E-ISSN	ring ge lletin o l: 1435	eological evalua f Engineering (i-9537, DOI: 10	ation of the o Geology & th 0.1007/s100	conditions for constructing a bridg e Environment, Volume 70, Num 34-010-0292-0	le and a tunnel ber 1, pp. 139-	
9.	Vasić, M. internacio	, Đogo, nalni na	M., (2012): aučno-struč	Settlement of the Fanishing Settlement of the Fanishing States and	abus t stvo-na	ouilding due to auka i praksa, 2	the infiltratio	n of water into the loess soil. GNI va, pp. 1231-1236, Žabljak.	P 2012. 4	
10.	Đogo, M. Conferen	, Vasić, ce on G	M., (2012): eomechani	Geotechnical inves cs, ANZ 2012 Confe	tigatio erence	ns for the oil Re Proceedings,	efinery in No pp. 1118-11	vi Sad, Serbia. 11th Australia - N 22, Melbourne.	lew Zealand	
Sun	nmary data	for teac	her's scient	tific or art and profes	ssiona	l activity:				
Quotation total : 3										
Total	of SCI(SSC	CI) list p	apers :		2					
Curre	Current projects : Dome					stic :	2	International :	0	



Study Programme Accreditation

MASTER ACADEMIC STUDIES



Name and last name:			Vuiić V. Goran							
Nam	e and last n	ame:			Vujić V. Gora	n				
Acad				a a la an su ank a first there are the	Faculty of Technical Sciences - Novi Sad					
Nam starti	e of the inst na date:	litution v	vnere the te	acher works full time and	20 02 1000		ices - Novi Sau			
Scier	ntific or art f	ield:			Environment	Protection F	ngineering			
Acad	lemic caries	ar	Year	Institution	Environment	I TOTOOLIOIT E	Field			
Acad	Academic title election: 2012					Environment Protection Engineering				
	thosis		2012	Eaculty of Tochnical Sci	oncos Novi S	ad	Environment Protection Engineering			
Magi	litesis		2007	Faculty of Technical Sci		au	Environment Protection Engineering			
Deel			2003	Faculty of Technical Sci		au				
Bach	leior's thesis	S	1998	Faculty of Technical Sci	ences - Novi Si	ad	Mechanical Engineering			
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.	E0S42	Renew	vable source	es and environmental prot	tection	(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies			
						(Z01) Safe	ety at Work, Undergraduate Academic Studies			
2.	Z204A	Monito	oring of the I	Living Environment		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies			
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
						(Z01) Safe	ety at Work, Undergraduate Academic Studies			
3.	Z309A	Solid V	Vaste Mana	agement		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
4.	Z401A	Desigr	n and Plann	ing in Environmental Prot	ection	(Z20) Environmental Engineering, Undergraduate Academic Studies				
5.	Z401B	Design and Planning in Environmental Engi			ineering	(ZC0) Clea	an Energy Technologies, Undergraduate Studies			
6.	Z409A	Hazardous Waste Management and Recyc Technologies			ling	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
7.	OAS214	Integralni katastar zagađivača(uneti naziv n			a engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
8.	Z101	Uvod i engles	principi zaš kom)	štite okruženja(uneti naziv	na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
9.	Z205	Održiv životne	o korišćenje sredine(ur	e prirodnih resursa i sister neti naziv na engleskom)	n zaštite	(Z20) Environmental Engineering, Undergraduate Academic Studies				
10.	Z309A	Upravl	janje čvrstir	n otpadom(uneti naziv na	engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies				
11.	Z401A	Projek naziv r	tovanje i pla na englesko	aniranje u zaštiti životne s m)	redine(uneti	(Z20) Environmental Engineering, Undergraduate Academic Studies				
12.	Z409A	Upravl	janje opasn	im otpadom(uneti naziv n	a engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic			
13.	M3202	ldentifi	ication and	reduction of pollution from	ı 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 maint nmental eng	enance of quality control i gineering	n	(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies			
16.	Z508	Specif	ic Design C	onditions in Environment	Protection	(Z20) Envi	ronmental Engineering, Master Academic Studies			
17.	Z511	Institut	tional Frame	ework for Accidental Risk	Management	(Z20) Envi	ronmental Engineering, Master Academic Studies			
18.	ZR501	Hazard	dous Materi	als and Hazardous Waste	;	(Z01) Safe	ety at Work, Master Academic Studies			
19.	Z508	Specif	ični uslovi p e(uneti nazi	rojektovanja u zaštiti živo v na engleskom)	tne	(Z20) Envi	ronmental Engineering, Master Academic Studies			
20.	GH508	Landfil	I 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 ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies			
22.	MPK014	Monito	oring and sy	stem control		(MPK) Inž naziv na ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies			
23.	PIP16	Plastic	s and envir	onmental protection		(PM0) Pro	duction Engineering, Master Academic Studies			



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

Study Programme Accreditation

Civil Engineering

MASTER ACADEMIC STUDIES

List c	List of courses being held by the teacher in the accredited study programmes											
	ID	Course name		Study program	me name, study type							
24.	SZD042	Models of economic evaluation of er	vironmental projects	(Z00) Environmo Studies	ental Engineering, Specialis	ed Academic						
25.	SZD051	Applications of optimal control theory environment protection	/ in living	(Z00) Environmo Studies	ental Engineering, Specialis	ed Academic						
26.	SZDI23	Material Flow Analysis in Urban Sys	tems	(Z00) Environme Studies	ental Engineering, Specialis	ed Academic						
27.	SZSP21	Design and Planning Processes to N Hazardous Materials	Iinimize Waste and	(Z00) Environme Studies	ental Engineering, Specialis	ed Academic						
28.	ZCM06	Security of strategic energy facilities (ZC0) Clean Energy Technologies, Master Academic Studies										
29.	ZD051	Applications of optimal control theory	y in living	(Z00) Environmo Studies	ental Engineering, Doctoral	Academic						
30.	ZDI23	Material Flow Analysis in Urban Sys	tems	(Z00) Environmo Studies	ental Engineering, Doctoral	Academic						
01	70042	Models of Economic Evaluation of P	rojects for	(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic						
31.	ZD042	Environment Protection		(Z00) Environmo Studies	ental Engineering, Doctoral	Academic						
32.	ZSP20	Systemic Regulation of Environment		(G00) Civil Engi	neering, Doctoral Academic	Studies						
33	75021	Design and Planning Processes to N	linimize Waste and	(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic						
33.	25921	Hazardous Materials		Studies								
	(Z01) Safety at Work, Doctoral Academic Studies											
Rep	presentative	e refferences (minimum 5, not more th	an 10)									
1.	Vujić, G., Contamir	Pešenjanski, I.: Combustion chambe nation in central and Eastern Europe,	r for stawn bals, Fifth I Prague 2000.	nternational Symp	posium and Exhibition on E	nvironmental						
2.	Vujić, G., Internatio	Marinić, I., Bašić, Đ.: Waste Separati anal Symposium and Exhibition on Environment	on and Recicling Meth /ironmental Contamina	ods, Which Are T ation in central an	he Most Suitable For City o d Eastern Europe, Prague 2	f Novi Sad, Sixth 2003.						
3.	Vujić, B., Serbia&N Europe, I	Vujić, G.: Environmental due diligenc Montenegro, Sixth International Sympo Prague 2003.	e and its appliance in sium and Exhibition o	specific national on Environmental (environmental condition in Contamination in central and	d Eastern						
4.	Jezdimiro and Exhi	ovic.I.A., Vujic,G., Mudric, J.: Special (bition on Environmental Contamination	Conditions of Raw and n in central and Easter	Drinking Water n m Europe, Prague	nanagement, Sixth Internatio	onal Symposium						
5.	Vujić, G., YAI, Thai	Bašić, Đ. Mihajlov, A.: Process of priviland, 16-18 december. 2003.	vatisation and environ	ment 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 municipa	jić,B., Čabradi, G., Tol I landfill of Novi Sad, C	mašević, B.: Land CHISA 2004, 22-2	lfill gas modelling and risk a 6,08.2004.Prague, Czech R	ssessment in epublic.						
7.	Ubavin, [And Envi	D., Vujić, G., Bašić, Đ.:Landfill gas ext ronment - ICEE-2005, Novi Sad 19-21	raction and collection s May, 2005.	systems; PSU-UN	IS International Conference	On Engineering						
8.	Ubavin, [Faculty o 2005. Bu	D., Vujić, G., Mihajlov, A., Bašić, Đ.: C f Technical Sciences, Novi Sad, Serbi enos Aires, Argentina Ref No 194, Pro	as to energy opportur a and Montenegro, W oceedings p.82	nity on landfill in ci orld Congress and	ity of Novi Sad – Serbia and d Exhibition "ISWA 2005", f	Montenegro D. November 610.						
9.	Marjanov Landfill L 2007. Pro	rić, D., Vujić, G , Mihajlović, V., Ubavir ocation Selection, PSU-UNS Internati oceedings CD ICCEE2007149	n, D.: Selection of Tech onal Conference on E	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 07. Proceedings (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									
Total	of SCI(SS	CI) list papers :	0									
Curre	ent projects		Domestic :	1	International :	1						
UNIVERSITY OF NOVI SAD



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

Study Programme Accreditation

MASTER ACADEMIC STUDIES

Civil Engineering



To perform a study programme, the adequate human, spatial, technical and technological, library and other resources suitable to the study programme features and predicted students` number are to be provided. Teaching at the study programme Civil Engineering is performed in 2 shifts so each student is provided with a minimum of 2 m2 of space.

Lectures are held in amphitheatres, classrooms and specialized laboratories. The library possesses more than 100 library units relevant for the performance of the study programme. All courses from the study programme Civil Engineering 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.

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Study Programme Accreditation

Civil Engineering

Standard 11. Quality Control

The quality control of the study programme is performed regularly and systematically through selfevaluation 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.

MASTER ACADEMIC STUDIES

- 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 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 comprising of the head of the study programme, all heads of all Departments participating in the realization of the study programme, together with a student from each study group.

