

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

Study Programme Accreditation

A REAL PROPERTY OF THE REAL PR

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

STUDY PROGRAMME ACCREDITATION MATERIAL:

TECHNICAL MECHANICS AND TECHNICAL DESIGN

MASTER ACADEMIC STUDIES

Novi Sad 2012. Prevod sa srpskog jezika:

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Higher Course in Elasticity	
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Vibrodiagnostics	
Design and maintenance of quality control in environmental engineering	
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Technical Mechanics and Technical Design

Programme name	Technical Mechanics and Technical Design
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	Mechanical Engineering
Type of studies	Master Academic Studies
Study scope, expressed in ECTS	66-69
Academic degree, abbreviation	Master in Mechanical Engineering, M.Mech.Eng.
Study length	1
Programme implementation starting year	2008
Future course implementation starting year (for new programme)	
Number of students attending this programme	0
Planned number of students to be enrolled in this programme	32
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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Technical Mechanics and Technical Design



Standard 00. Introduction

MASTER ACADEMIC STUDIES

The study programme for the Graduate Academic Studies – Master in Technical Mechanics and Technical Design represents a continuation of the undergraduate academic study programme in Technical Mechanics and design in engineering.

The study programme corresponds to worldwide programmes known as mechanical engineering, and it is designed as a response to engineering challenge to transform new technical developments into a commercial reality through clear application of acquired knowledge, practical engineering experience and skills for solving problems. New course implementation helps expanding knowledge, abstract thinking and skills, especially skills for real systems modelling and computer tools application.

Keeping pace with new engineering developments, this programme enables both possibility of working in complex project tasks and very active relation in analysing and solving general problems that Master in Mechanical Engineering faces daily. At this stage in education process student is preparing for team work and communication with experts of other profiles and independent decision making.

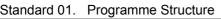


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MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design



The name of this study programme of graduate academic studies – Master in Technical Mechanics and Technical Design. Academic name acquired is Master in Mechanical Engineering.

The outcome of the study process is knowledge which enables students to use professional literature, to solve professional problems and to continue studies if students choose to do so.

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

The study programme of graduate academic studies Energy and Process Engineering last one year.

Lectures are realized through lectures and practical classes. During education process emphasis is placed on independent and research student work, as well as on their personal involvement in the process. During lectures, modern didactic tools are used for presenting subject content and students are informed about research trends in the field. During practical classes, which follow the lectures, actual exercises and problems are solved and appropriate examples are presented. Also additional explanations of the subject content are offered in practical classes. Practical classes can be auditory, laboratory and computer. Partially practical classes can be realized in factories and other institutions.

The number of students in a group depends on the character of the practice classes. Students are obliged to write seminar papers and homework, projects, semestral and graphic papers. Every student activity is monitored and awarded according to the regulations adopted by the Faculty. The number of awarded credits is determined by a unique methodology and reflects student involvement.

For each subject student is awarded certain number of ECTS, and the entire studies are finished when the student fulfils all obligations stated in the study programme, at least 60 ECTS.



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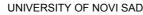
MASTER ACADEMIC STUDIES Technical Mechanics

Technical Mechanics and Technical Design

Standard 02. Programme Objectives

The purpose of the study programme is set in accordance with the needs of the society. The study program of the Master studies is set so that it enables students to acquire competences socially justifiable and purposeful. The Faculty of Technical Sciences has clearly defined educational assignments and objectives for highly competent experts in the field of technical engineering. The aim of the study programme – Technical Mechanics and Technical Design is completely in accordance with the Faculty of Technical Sciences objectives.

The study programme is designed so that it enables acquiring competences which are useful for the society. Technical Mechanics has always been the key of the future technology since it includes wide-range complex problems and therefore represents essential part of the development base. Realization of such a study programme creates experts in the field of Construction Mechanics and Mechanizations competent in European and global standards and in accordance with social needs.





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Technical Mechanics and Technical Design



The objective of the graduate academic studies in Technical Mechanics and Technical Design is acquiring competences and academic skills in the field of Technical Mechanics and Technical Design. In addition, this programme will provide graduates with practical skills, as well as form and develop competences necessary for critical thinking and team work and acquiring specific practical skills necessary for the profession.

The objective of the study programme of graduate academic studies in Technical Mechanics and Technical Design is to educate and form highly qualified experts able to perform tasks in production technologies and designing contemporary production process.

In addition, this programme will provide graduates with practical skills, as well as form and develop competences necessary for the technical sciences. The objective of this study programme is also education of experts in team working as well as development of abilities of presentation of results to professional public.



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MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Standard 04. Graduates` Competencies

Having completed the graduate academic studies in Technical Mechanics and Technical Design, a student acquires general and subject-specific abilities in the function of qualitative performance of professional, scientific and artistic activities. Having completed this study programme, a student acquires the following general abilities:

- Ability to analyse, generate and anticipate consequences,

- Ability of critical thinking,

- Ability to solve problems by applying scientific methods and procedures

Master student acquires thorough knowledge and understanding of all disciplines of the selected study group, as well as skills for solving actual problems with utilization of scientific methods and procedures. Students at the Technical Mechanics and Technical Design are capable to write and present in an appropriate way the results of their work. Utilization of information and communication technologies is insisted upon.

The students at this level have competencies for following and application of novelties in the line of profession, as well as for cooperation with local social and international environment.

The students are enabled to design, organize and manage production. During education process student is enabled to independently conduct experiments, for statistical data processing as well as to formulate and reach appropriate results.

Upon graduation, student acquires knowledge to economically use natural resources of the Republic of Serbia in accordance of principles of sustainable development.

Special attention is paid to skill development for team work and professional ethics.



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Technical Mechanics and Technical Design

Standard 05. Curriculum

The curriculum of the study programme of Energy and Process Engineering is formulated so that it meets all set objectives. The structure of the study programme provides the choice of selective courses with at least 40% ECTS.

Master students expand knowledge of production engineering in specific characteristics of problems which each study group deals with. Through selective courses satisfy their interests that they developed during the studies. All subjects are one semester long and are awarded appropriate number of ECTS, and one credit equals approximately 30 hours of student activities.

The curriculum is defined description of subjects which contains title, subject type, academic year and semester, ECTS, professors name, subject objective with expected outcomes, knowledge and competences, prerequisites for attending the subject, subject content, recommended literature, teaching methods and knowledge evaluation.

The study programme is in accordance with European standards in terms of enrolment, study duration, preconditions for transferring to the following academic year, acquiring diploma and studying way.

The integral part of the curriculum of production engineering is professional practice and practical work in duration of 45 hours, realized in appropriate scientific and research institutions, in organizations for innovation activities. Student finishes the studies with elaboration of master thesis consisting of theory and methodological application of preparation necessary for understanding the field of master thesis.

Prior to defending the thesis, student passes theoretical and methodological fundamentals before a commission which is appointed for thesis defence. The final master grade is calculated on the bases of results of passed theoretical and methodological preparation and evaluation of elaboration and defence of the thesis. The thesis is defended before the commission which consists of at least 3 teachers among which at least one needs to be from another department of faculty.



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 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:											
Course	id:	M4501	Industrial Design								
Number	of ECTS:	5		Varatiá P. Patka							
Teache	r:		Maretić B. F	Ratko							
Course	status:		Mandatory								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:		
	3	:	2	0		0		0			
Precond	lition courses	-				-	•				
1. Educ	ational goal:										
strengt		and individ				aterial strength, Theory o n is directed to defining					
2. Educ	ational outcom	nes (acquir	ed knowledg	e):							
Ability to	o design from	the perspe	ctive of stren	gth and rigidity	of practio	al products for industrial	production with the ut	tilization of co	mputers.		
3. Cours	se content/stru	icture:									
Rotation connect	n disk calculat tions. Calcula	ion during tion of rota	various bour ation shaft. F	hary conditions rame oscillati	s. Calculat on. Oscill	culation of pipe network tion of long rotating axis. ation of cyrcle and ring p lar plates stability.	Calculation of rotatin	g discs overl	oaded by		
4. Teac	hing methods:										
	s are realized				and com	puter presentations. Prac	ctical classes are pa	rtially realized	d through		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
· ·	er exercise at	tendance		Yes		Oral part of the exam		Yes	30.00		
	attendance			Yes	5.00	-					
Project	nor			Yes	40.00	-					
Term pa	aper			Yes		ature					
Ord.	Δ	uthor			Title		Publishe	or I	Year		
0iu. 1.	T. Atanackov		Teor	ija elastičnosti	inte	,	FUDIISIN		1987		
2,	Shigley J., M			hanical engine	ering desi	gn	Mc Graw Hill		2004		
3.	Budynas R. Ružić D., Ču	kić R.		ornost materijal		-	Mašinski fakultete E	Beograd	1993		
4,	Rašković D.		·	ija elastičnosti			Naučna knjiga Beo	<u> </u>	1985		
								I			



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 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course	:												
Course	id:	M4505		Modelling of non-linear systems									
Number	r of ECTS:	4											
Teache	rs:		Maretić B. F	Ratko, Simić S	Srboljub								
Course	status:		Mandatory										
Number	r of active teac	hing classe	es (weekly)										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:				
	2	2	2	0		0		0					
Precond	dition courses			None		·							
1. Educ	ational goal:												
Introduc	cing students to	o fundamei	ntal methods	of analysis an	d modelin	g of physical and enginee	ering problems.						
2. Educ	ational outcom	es (acquire	ed knowledge	e):									
	ts acquire kno s and their ap				gineering	systems. In particular, th	ey got a working kno	owledge of as	symptotic				
3. Cour	se content/stru	cture:											
Basic m in engin	nodeling techni neering - bound	ques. Units lary layer. I	s, dimensions Multiple scale	s and dimensions. The metho	onal analy d of homo	sis. Asymptotic approxima genization. Case studies.	ations. Application of	asymptotic te	chniques				
4. Teac	hing methods:												
In prace	tical classes a	acquired to Special at	heoretical ar tention is pa	nd methodolo id to independ	gical kno lent stude	ntal methodological and p wledge is applied in the nt work in case studies c	e analysis and mode	elling of phys	sical and				
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points				
Exercis	e attendance			Yes	5.00	Term paper		Yes	40.00				
Homew				Yes	20.00	Oral part of the exam		Yes	30.00				
Lecture	attendance			Yes	5.00								
						ature							
Ord.	A	uthor	Desi	an Analysis: M	Title	al Modeling of Nonlinear	Publishe Cambridge Univers		Year				
1,	D.E. Thomps	on	Syste	5	amematic	a wodeling of wonlinear	Cambridge	,	1999				
2,	S. Howison		Pract	tical Applied M	athematic	S	Cambridge Univers Cambridge	ity Press,	2005				
3,	Mark H. Holn	nes	Introd	duction to Pert	urbation N	lethods	Springer-Verlag, Ne	ew York	1995				



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MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Course:											
Course	id:	M4503		Higher Course in Elasticity							
Number	of ECTS:	5									
Teache	r:		Novakov	ić N. Branislava							
Course	status:		Mandato	ry							
Number	of active teac	hing classe	es (weekly	')							
L	ectures:	Practical	classes:	sses: Other teaching types: Study research work: Other					classes:		
	3	2	2	0 0 0							
Precond	dition courses	-	-	None							
1. Educ	ational goal:										
				ation determinatic by final elements		blex technical construction	ns. Apart from that st	udents will b	e enabled		
2. Educ	ational outcom	nes (acquire	ed knowle	dge):							
	d knowledge i criteria for plas				terminatio	n as well as voltage state	e in plates. Acquired	knowledge v	vill enable		
3. Cours	se content/stru	icture:									
				near coordinate		Karman plate theory. D onditions.	ifferential equation	of plane der	formation.		
4. Teac	hing methods:										
practica	I classes exer	cises are	given in o		hat is cov	art is presented in lecture /ered in lectures. Indeper eliminating.					
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Test				Yes		Oral part of the exam		Yes	30.00		
Test				Yes		Practical part of the exan	n - tasks	Yes	40.00		
Test				Yes	10.00						
					Liter	ature					
Ord.	A	uthor			Title	9	Publishe	ər	Year		
1,	T.Atanackov	ić	Te	eorija elastičnosti			FTN, Novi Sad		1993		
2	Atanackovic	T M Gura	an A 🛛 Th	neory of Flasticity	for Scien	tists and Engineers	Birkhauser Boston		2000		



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Technical Mechanics and Technical Design

Course	:										
Course	id:	M45991	Biomechanics of cardiovascular system								
Numbe	r of ECTS:	8									
Teache	ers:		Glavardano	v B. Valentin,	Grahovac	M. Nenad, Spasić T. Dra	gan, Žigić M. Miodrag]			
Course	status:		Mandatory								
Numbe	r of active tea	ching classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:		
	3	2	2	0		0		0			
Precon	dition courses			None		- I	I				
1. Educ	cational goal:			<u>.</u>							
more co functior	omplex and le	ess defined human body	then the tech	nnical ones. A plogical, chem	lso, the ir ical, elect	ne Mechanical tool in the itentions of the course ar rical, neurological), to un o analyze and model seve	e to relate mechanicated derstand how the adv	al functions w vances of age	vith other e, trauma		
2. Educ	cational outcor	mes (acquire	ed knowledge	e):							
biomec recogni solving well as	chanical syste izing, identify procedures. I to communic g as well as t	ems especia ing and forr n doing so t cate with oth	ally in the an nulating app he student le ner either me	alysis of moti ropriate ideal arn to use var edical staff or	on within ized mod ious comp engineer	ise the knowledge obtained a human body, i.e. to p els and by choosing the buter tools for prediction of s within a team work; The er development of skills	ose and solve the p appropriate either n f various normal and is course prepares t	roblems by r umerical or a pathological the student fo	means of analytical states as or further		
3. Cour	se content/str	ucture:									
phenor deform formatio	mena. Norma ation pattern on, aortic ane	I condition s evaluation urysms. Va	3. Course content/structure: This course covers the following topics. Structures of cardiovascular system. Basic cell biology and soft tissue behavior. Biotransport phenomena. Normal condition of the arterial wall structure and function. Constitutive equations and experimental methods of deformation patterns evaluation. Stress analysis. Vascular diseases: hypertension, intracranial aneurysms, atherosclerotic plaque formation, aortic aneurysms. Vascular adaptation. Normal and aging heart structure and function. Blood function, and organ systems:								
	ching methods	formation, aortic aneurysms. Vascular adaptation. Normal and aging heart structure and function. Blood function, and organ systems: lungs, kidneys and liver. Numerical methods in continuum biomechanics.									
Teac			cal methods	in continuum	biomecha		nction. Blood function		c plaque		
Lecture notions on a re biomec	that can be c al problem p	: kercises, de lone within g presented in ematical ana	monstration groups. Eithe n periodicals alysis and co	of computer t er a practical e s. Individual mputer tools, a	ools. Hon examinatic work with as well as	nics. neworks, as a check of u on part two problems do each of the groups wh the foreign language the	nderstanding and us one by them own o iich extends the kno	n, and organ sage of the in or seminar wo owledge and	c plaque systems troduced ork based skills in		
Lecture notions on a re biomec	that can be c eal problem p hanics, mathe k on the introd	: kercises, de lone within (presented in ematical ana duced notion	monstration groups. Eithe n periodicals alysis and co ns and skills.	of computer t er a practical e s. Individual mputer tools, a	ools. Hon examination work with as well as evaluation	nics. neworks, as a check of u on part two problems do each of the groups wh	nderstanding and us one by them own o iich extends the kno	n, and organ sage of the in or seminar wo owledge and	c plaque systems troduced ork based skills in		
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Lecture notions on a re biomec final tall Exercis Homew Homew	that can be c eal problem p hanics, mathe k on the introd Pre-examin e attendance york york	: kercises, de lone within (presented in ematical ana duced notion	monstration groups. Eithe n periodicals alysis and co ns and skills.	of computer t er a practical e s. Individual y mputer tools, s Knowledge e Mandatory Yes Yes Yes	ools. Hon examinatio work with as well as evaluation Points 5.00 5.00 5.00	nics. neworks, as a check of u on part two problems du each of the groups wh the foreign language the (maximum 100 points) Final ex Oral part of the exam	nderstanding and us one by them own o ich extends the kno student use. The ex cam	n, and organ sage of the in or seminar wo owledge and amination en Mandatory Yes	c plaque systems troduced with based skills in ds with a		
Lecture notions on a re biomec final tall Exercis Homew Homew Lecture	that can be c eal problem p hanics, mathe k on the introd Pre-examin e attendance york a attendance	: kercises, de lone within (presented in ematical ana duced notion	monstration groups. Eithe n periodicals alysis and co ns and skills.	of computer t er a practical e s. Individual m mputer tools, a Knowledge e Mandatory Yes Yes Yes Yes Yes	ools. Hon examinatio work with as well as evaluation Points 5.00 5.00 5.00 5.00	nics. neworks, as a check of u on part two problems du each of the groups wh the foreign language the (maximum 100 points) Final ex Oral part of the exam	nderstanding and us one by them own o ich extends the kno student use. The ex cam	n, and organ sage of the in or seminar wo owledge and amination en Mandatory Yes	c plaque systems troduced rk based skills in ds with a Points 30.00		
Lecture notions on a re biomec final tall Exercis Homew Homew	that can be c eal problem p hanics, mathe k on the introd Pre-examin e attendance york a attendance	: kercises, de lone within (presented in ematical ana duced notion	monstration groups. Eithe n periodicals alysis and co ns and skills.	of computer t er a practical e s. Individual y mputer tools, s Knowledge e Mandatory Yes Yes Yes	ools. Hon examination work with as well as evaluation Points 5.00 5.00 5.00 30.00	nics. neworks, as a check of u on part two problems do each of the groups wh the foreign language the (maximum 100 points) Final exam Practical part of the exam	nderstanding and us one by them own o ich extends the kno student use. The ex cam	n, and organ sage of the in or seminar wo owledge and amination en Mandatory Yes	c plaque systems troduced rk based skills in ds with a Points 30.00		
Lecture notions on a re biomec final tall Exercis Homew Homew Lecture Project	that can be c eal problem p hanics, mathe k on the introd Pre-examin se attendance york york a attendance	: kercises, de lone within (presented in ematical ana duced notion ation obliga	monstration groups. Eithe n periodicals alysis and co ns and skills.	of computer t er a practical e s. Individual m mputer tools, a Knowledge e Mandatory Yes Yes Yes Yes Yes	ools. Hon examination work with as well as evaluation Points 5.00 5.00 5.00 5.00 30.00 Liter	nics. neworks, as a check of u on part two problems do each of the groups wh the foreign language the (maximum 100 points) Final ex Oral part of the exam Practical part of the exam ature	nderstanding and us one by them own o ich extends the kno student use. The ex cam	n, and organ sage of the in or seminar wo owledge and amination en Mandatory Yes Yes	c plaque systems troduced rk based skills in ds with a Points 30.00 20.00		
Lecture notions on a re biomec final tall Exercis Homew Homew Lecture	that can be c eal problem p hanics, mathe k on the introd Pre-examin se attendance york york a attendance	: kercises, de lone within (presented in ematical ana duced notion ation obligation ation obligation	emonstration groups. Eithe n periodicals alysis and co ns and skills. tions	of computer t er a practical e s. Individual y mputer tools, s Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes	ools. Hon examination work with as well as evaluation Points 5.00 5.00 5.00 5.00 30.00 Liter	nics. neworks, as a check of u on part two problems do each of the groups wh the foreign language the (maximum 100 points) Final ex Oral part of the exam Practical part of the exam ature	nderstanding and us one by them own o ich extends the kno student use. The ex cam	n, and organ age of the in or seminar wo owledge and amination en Mandatory Yes Yes Yes	c plaque systems troduced rk based skills in ds with a Points 30.00		
Lecture notions on a re biomec final tall Exercis Homew Homew Lecture Project Ord.	that can be c eal problem p thanics, mathe k on the introd Pre-examin re attendance york york a attendance	: kercises, de lone within (presented in ematical ana duced notion ation obligation ation obligation Author rey	emonstration groups. Eithe n periodicals alysis and co ns and skills. tions	of computer t er a practical e s. Individual m mputer tools, s Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes	ools. Hon examination work with as well as evaluation Points 5.00 5.00 5.00 5.00 30.00 Liter Title d mechan	nics. neworks, as a check of u on part two problems do each of the groups wh the foreign language the (maximum 100 points) Final e: Oral part of the exam Practical part of the exam ature	nderstanding and us one by them own o ich extends the kno student use. The ex cam n - tasks Publishe	n, and organ	c plaque systems troduced rk based skills in ds with a Points 30.00 20.00		
Lecture notions on a re biomec final tall Exercis Homew Homew Lecture Project Ord. 1,	that can be c eal problem p hanics, mathe k on the introd Pre-examin e attendance york york a attendance	: kercises, de lone within (presented in ematical ana duced notion ation obligation ation obligation Author rey ed.)	emonstration groups. Eithe n periodicals alysis and co ns and skills. tions tions	of computer t er a practical e s. Individual m mputer tools, s Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes	ools. Hon examination work with as well as evaluation Points 5.00 5.00 5.00 5.00 30.00 Liter Title d mechan	nics. neworks, as a check of u on part two problems do each of the groups wh the foreign language the (maximum 100 points) Final exam Practical part of the exam Practical part of the exam ature ature bits, cells tissues, and a human body	nderstanding and us one by them own o ich extends the kno student use. The ex am n - tasks Publishe Springer, New York	n, and organ age of the in or seminar wo owledge and amination en Mandatory Yes Yes Yes ar an	c plaque systems troducec rk basec skills ir ds with a Points 30.00 20.00 Year 1999		



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



 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:											
Course id:		M2403		IC Engines							
Number of	ECTS:	5									
Teacher:			Klinar J. Iv	linar J. Ivan							
Course stat	tus:		Elective								
Number of	active teac	hing classe	es (weekly)								
Lectu	ures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:		
3	3		1	2 0 0							
Preconditio	n courses			None		•	•				
1. Educatio	nal goal:										
Acquiring e	xpanded ki	nowledge a	and skills in	the field of IC E	ingines.						
2. Educatio	nal outcom	nes (acquir	ed knowled	ge):							
Acquiring a tendencies				ve using of acqu	ired know	ledge and skills, solving	specifical and non ro	utine problen	ns of new		
3. Course o	content/stru	icture:									
comparison four-stroke Analysis of engine indi- engines. N	n. Theoretic engines v f engine ind cators. For ormal com	cal cycles. with suctio dicators: n sage engin bustion flo	Actual cycle n and with niddle indic ne indicator ow phases.	es analysis and specific feature ating pressure, rs: litar and spec Forms of unno	selection of es of two- indicating cific powe rmal com	cles. Theoretical engine of of calculation cycle param stroke engines. Process g power, specific indicati r. Heat balance. Combu bustion. Forming space and other characteristics.	eters. Process of wo of compression. Pr ng fuel consumption stion processes analy	rking matter o ocess of cor . Analysis of ysis in Otto a	change of nbustion. effective nd diesel		
4. Teaching	g methods:										
						oral presentation followed opriate laboratory equipm		s, diagrams,	schemes		
				Knowledge e	evaluation	(maximum 100 points)					
Pi	re-examina	ation obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points		
Computer e	exercise att	tendance		Yes	5.00	Oral part of the exam		Yes	70.00		
Homework				Yes	20.00						
Lecture atte	endance			Yes	5.00						
					Liter	ature		r			
Ord.	A	uthor			Title	;	Publishe		Year		
1, T.	Torović,Ž.A	Antonić	Osi	novi motora SUS	5		Fakultet tehničkih n Sad	auka, Novi	1997		
	. Živković			tori sa unutrašnj		,	Mašinski fakultet Be	eograd	1976		
3, D.	Radonjić, F	R.Pešić	Тор	olotni proračun n	notora SU	S	Mašinski fakultet , k	Kragujevac	1996		



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



 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:												
Course	id:	M4504		Thermal Elasticity								
Number	of ECTS:	4										
Teacher	r:		Glavardanc	avardanov B. Valentin								
Course	status:		Elective									
Number	of active teac	hing classe	es (weekly)									
Le	ectures:	Practical	classes:	ses: Other teaching types: Study research work: Other classes:								
	2	2	2	0 0 0								
Precond	lition courses	-	-									
1. Educa	ational goal:			-								
	objective is to body and to pe				ate funda	mental set of equations	which describe therr	modynamic p	rocess in			
2. Educa	ational outcom	nes (acquir	ed knowledg	je):								
	is enabled to natical model a				ed to ther	modynamic processes in	elastic bodies, and	formulate ap	propriate			
3. Cours	se content/stru	icture:										
Constitu						lance. Disipation of ener thermoelasticity. Flat the						
4. Teach	hing methods:											
Classic	form of lecture	es with the	utilization of	computers and	l active st	udent involvment.						
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Test				Yes		Oral part of the exam		Yes	40.00			
Test				Yes		Practical part of the exan	n - tasks	Yes	30.00			
Test				Yes	10.00							
					Liter	ature						
Ord.	-	uthor			Title	;	Publishe		Year			
1,	Naerlović N		Uvo	d u termoelastie	čnost		Naučna Knjiga Beo	ograd	1977			
2,	Čukić R., Na Šumarac D	eriović N.,	Tern	noelastičnost			Mašinski fakultet - I	Beograd	1993			



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



 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

	:			_										
Course	id:	P1501		Ecological Technologies and Systems										
Numbe	r of ECTS:	6		udak M. Igor, Hadžistević J. Miodrag, Hodolič J. Janko, Kovač P. Pavel, Sekulić Lj. Milenko, Vukelić B.										
Teache	ers:		Budak M. Đorđe	. Igor, Hadžistevi	ć J. Miodrag	g, Hodolič J. Janko, Kov	ač P. Pavel, Sekulić	Lj. Milenko, V	ukelić B.					
Course	status:	1	Elective											
Numbe	r of active tead	ching classes	s (weekly))										
L	ectures:	Practical of	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:					
	3	0		3		0		0						
Precondition courses None														
1. Educ	ational goal:													
Acquiri	ng fundamenta	al knowledge	in domai	in of environment	protection i	in the field of productior	n engineering.							
2. Educ	ational outcor	nes (acquired	d knowled	dge):										
Enablir engine	0	or recognitio	on, preve	ntion and repair	ring problei	ms related to environr	ment protection in t	he field of pr	oduction					
3. Cour	se content/str	ucture:												
Manag	ement System	n: purpose, o	origin, intro	oduction, functio	n, evaluatio	ology of evaluation of a on, Methodology of envi								
zrakom geother 4. Teac Lecture presen	sunca, solar rmal energy, h ching methods es are realized ted with char	electricity. Re hydropower. e : : d interactivel acteristic ex	enewable energy st ly through amples f	e energy: solar er orage n lectures, audito for better unders	nergy, wind ory, laborato	s and future systems. E energy, biomass energ ory and computer pract subject content. In au aboratory practical clas	y, hydrogen energy, tical classes. In lecti iditory practical clas	gies: reciclyng energy y env ures theoretic sses, charac	ironment					
zrakom geother 4. Teac Lecture presen exercis	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere	electricity. Re nydropower. e : : d interactivel acteristic ex rd. Acquired	enewable energy st y through amples f knowled	e energy: solar er orage n lectures, audito for better unders	nergy, wind ory, laborate standing of applied in la	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas	y, hydrogen energy, tical classes. In lecti iditory practical clas	gies: reciclyng energy y env ures theoretic sses, charac	ironment, al part is					
zrakom geother 4. Teac Lecture presen exercis	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere	electricity. Re nydropower. e : : d interactivel acteristic ex rd. Acquired	enewable energy st y through amples f knowled	e energy: solar er orage n lectures, audito for better unders ge is practically consultations ar	nergy, wind bry, laborato standing of applied in la e held regu	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas	y, hydrogen energy, tical classes. In lecti iditory practical clas	gies: reciclyng energy y env ures theoretic sses, charac	ironment, al part is					
zrakom geothe 4. Teac Lecture presen exercis Apart fr	sunca, solar rmal energy, h ching methods as are realized ted with char es are covere rom lectures a Pre-examin	electricity. Re nydropower. e : : d interactivel acteristic ex rd. Acquired	enewable energy st y through amples f I knowled classes,	e energy: solar er orage n lectures, audito for better unders ge is practically consultations ar	nergy, wind bry, laborato standing of applied in la e held regui evaluation (r Points	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas larly. maximum 100 points) Final ex	y, hydrogen energy, tical classes. In lect iditory practical cla ises using avalilable kam	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory	ironment, cal part is cteristical quipment. Points					
zrakom geothe 4. Teac Lecture presen exercis Apart fi Exercis	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examina e attendance	electricity. Re nydropower. e : d interactivel acteristic ex rd. Acquired and practical	enewable energy st y through amples f I knowled classes,	e energy: solar er orage	nergy, wind bry, laborato standing of applied in la e held regul evaluation (r Points 5.00 M	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas larly. maximum 100 points) Final ex Vritten part of the exam	y, hydrogen energy, tical classes. In lect iditory practical cla ises using avalilable kam	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory Yes	ironment, cal part is cteristical quipment. Points 30.00					
zrakom geothe 4. Teac Lecture presen exercis Apart fi Exercis Lecture	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examina- e attendance e attendance	electricity. Re nydropower. e : d interactivel acteristic ex rd. Acquired and practical	enewable energy st y through amples f I knowled classes,	e energy: solar er orage	ergy, wind bry, laborato standing of applied in la e held regui evaluation (r Points 5.00 M 5.00 O	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas larly. maximum 100 points) Final ex	y, hydrogen energy, tical classes. In lect iditory practical cla ises using avalilable kam	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory	ironment, al part is steristical quipment.					
zrakom geother 4. Teac Lecture presen exercis Apart fr Exercis Lecture Term p	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examina- e attendance e attendance	electricity. Re nydropower. e : d interactivel acteristic ex rd. Acquired and practical	enewable energy st y through amples f I knowled classes,	e energy: solar er orage n lectures, audito for better unders ge is practically consultations ar Knowledge e Mandatory Yes Yes Yes	vergy, wind bry, laborato standing of applied in la e held regui evaluation (r Points 5.00 W 5.00 O 20.00	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas larly. maximum 100 points) Final ex Vritten part of the exam	y, hydrogen energy, tical classes. In lect iditory practical cla ises using avalilable kam	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory Yes	ironment, cal part is cteristical quipment. Points 30.00					
zrakom geothe 4. Teac Lecture presen exercis Apart fi Exercis Lecture	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examina- e attendance e attendance	electricity. Re nydropower. e : d interactivel acteristic ex rd. Acquired and practical	enewable energy st y through amples f I knowled classes,	e energy: solar er orage	ergy, wind bry, laborato standing of applied in la e held regui evaluation (r Points 5.00 M 5.00 O	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas larly. maximum 100 points) Final ex Vritten part of the exam	y, hydrogen energy, tical classes. In lect iditory practical cla ises using avalilable kam	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory Yes	ironment, cal part is cteristical quipment. Points 30.00					
zrakom geother 4. Teac Lecture presen exercis Apart fi Lecture Term p Test	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examina- e attendance e attendance	electricity. Re nydropower. e : d interactivel acteristic ex rd. Acquired and practical	enewable energy st y through amples f I knowled classes,	e energy: solar er orage n lectures, audito for better unders ge is practically consultations ar Knowledge e Mandatory Yes Yes Yes	vergy, wind bry, laborate standing of applied in la e held regui evaluation (r Points 5.00 W 5.00 O 20.00 10.00	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas larly. maximum 100 points) Final ex Vritten part of the exam Oral part of the exam	y, hydrogen energy, tical classes. In lect iditory practical cla ises using avalilable kam	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory Yes	ironment, cal part is cteristical quipment. Points 30.00					
zrakom geother 4. Teac Lecture presen exercis Apart fi Exercis Lecture Term p Test	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examin- e attendance aper	electricity. Re nydropower. e : d interactivel acteristic ex rd. Acquired and practical	enewable energy st y through amples f I knowled classes,	e energy: solar er orage	ergy, wind ory, laborato standing of applied in la e held regul evaluation (r Points 5.00 W 5.00 O 20.00 10.00	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas larly. maximum 100 points) Final ex Vritten part of the exam Oral part of the exam	y, hydrogen energy, tical classes. In lect iditory practical cla ises using avalilable kam	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory Yes Yes	ironment, cal part is cteristical quipment. Points 30.00					
zrakom geother 4. Teac Lecture presen exercis Apart fr Exercis Lecture Term p Test Test	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examina- e attendance aper Hodolič, J.; I	electricity. Re nydropower. e d interactivel acteristic ex rd. Acquired and practical ation obligation ation obligation Author Badida, M.;	enewable energy st ly through camples f l knowled classes, ons	e energy: solar er orage	ergy, wind ory, laborato standing of applied in la e held regui evaluation (r Points 5.00 W 5.00 O 20.00 10.00 10.00 Literati Title	energy, biomass energ ory and computer pract subject content. In au aboratory practical clas larly. maximum 100 points) Final ex Vritten part of the exam Oral part of the exam	y, hydrogen energy, tical classes. In lectu iditory practical classes using avalilable cam - tasks and theory Publish Fakultet tehničkih r	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory Yes Yes er	Points 30.00 20.00					
zrakom geother 4. Teac Lecture presen exercis Apart fr Exercis Lecture Term p Test Test Ord.	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examina e attendance attendance aper Hodolič, J.; f Majernik, M. Hodolič, J., Hadžistević,	electricity. Re nydropower. e d interactivel acteristic ex ard. Acquired and practical ation obligation ation ation ation obligation at	enewable energy st y through amples f I knowled classes, ions Ma	e energy: solar er orage	errstvu zaštite	energy, biomass energ ory and computer pract subject content. In au aboratory practical class larly. maximum 100 points) Final ex Vritten part of the exam Oral part of the exam	y, hydrogen energy, tical classes. In lectu iditory practical classes using avalilable cam - tasks and theory Publish	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory Yes Yes Yes er nauka, Novi	Points 30.00 20.00					
zrakom geother 4. Teac Lecture presen exercis Apart fi Exercis Lecture Term p Test Test Ord. 1,	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examin- e attendance attendance aper Hodolič, J.; f Majernik, M. Hodolič, J., Hodolič, J., Budak, I., Be J.	electricity. Re nydropower. e d interactivel acteristic ex rd. Acquired and practical ation obligation ation ation ation obligation a	enewable energy st y through amples f i knowled classes, ons ons h. i dr. Re nsky, Ek	e energy: solar er orage n lectures, audito for better unders ge is practically consultations ar Knowledge e Mandatory Yes Yes Yes Yes Yes Yes asinstvo u inženje	ergy, wind ory, laborate standing of applied in la e held regui evaluation (r Points 5.00 (V 5.00 (O 20.00 10.00 10.00 Literate Title erstvu zaštite ne tehnolog	energy, biomass energ ory and computer pract subject content. In au aboratory practical class larly. maximum 100 points) Final ex Vritten part of the exam Oral part of the exam	y, hydrogen energy, tical classes. In lectr iditory practical classes using avalilable cam - tasks and theory Publish Fakultet tehničkih r Sad Fakultet teničkih na	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory Yes Yes er nauka, Novi auka, Novi	Points 30.00 20.00 Year 2005					
zrakom geother 4. Teac Lecture presen exercis Apart fr Exercis Lecture Term p Test Test Ord. 1, 2,	sunca, solar rmal energy, h ching methods es are realized ted with char es are covere rom lectures a Pre-examin- e attendance a attendance a attendance a per Hodolič, J.; H Majernik, M. Hodolič, J., S Hodolič, J., S Budak, I., Be J.	electricity. Re nydropower. e d interactivel acteristic ex rd. Acquired and practical ation obligation ation obligation ation obligation sadida, M.; <u>Šebo, D.</u> Vukelić, Đ., M., Budak, I. Vukelić, Đ.,	enewable energy st ly through amples f l knowled classes, ons ons <u>h. i dr. Re</u> nsky, Ek ević,	e energy: solar er orage	ergy, wind ory, laborato standing of applied in la e held regu evaluation (r Points 5.00 W 5.00 O 20.00 10.00 10.00 10.00 10.00 Literati Title erstvu zaštite ne tehnolog	energy, biomass energ ory and computer pract subject content. In au aboratory practical class larly. maximum 100 points) Final ex Vritten part of the exam Oral part of the exam	y, hydrogen energy, tical classes. In lectu iditory practical classes using avalilable cam - tasks and theory - tasks and theory - bublish Fakultet tehničkih ra Sad Fakultet teničkih ra	gies: reciclyng energy y env ures theoretic sses, charac laboratory ec Mandatory Yes Yes Yes er nauka, Novi auka, Novi	ironment, cal part is cteristical quipment. Points 30.00 20.00 Year 2005 2011					



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



 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:												
Course	id:	P2507	Nanotechnologies									
Number	r of ECTS:	6										
Teache	rs:		Kakaš I. Da	ikaš I. Damir, Škorić N. Branko								
Course	status:		Elective									
Number	r of active teac	hing classe	es (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:			
	3	()	2 0 0								
Precond	dition courses		•	None								
1. Educ	ational goal:											
Introduc	ction to main d	rections of	modern scir	iece developm	ent – nan	omaterials and nanotechr	ologies.					
2. Educ	ational outcom	es (acquire	ed knowledg	e):								
	t is able to co ations of tool			of nanotechno	logies in	mechanical engineering	related to ultraprec	ise forming a	and nano			
3. Cours	se content/stru	cture:										
(MEMS		onal mater	ials. Perfor	ing processe	paramete	vel. Nano structures proc ers. Characterisation of r anotribology.						
4. Teac	hing methods:											
present exercise	ted with chara	acteristic e d. Acquire	xamples for d knowledge	better unders is practically	standing of applied in	atory and computer pract of subject content. In au I laboratory practical clas gularly.	iditory practical clas	ses, charac	teristical			
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points			
Homew				Yes		Oral part of the exam		Yes	40.00			
Homew				Yes	40.00							
	ory exercise a	ttendance		Yes	5.00							
Lecture	attendance			Yes	5.00							
						ature						
Ord.		uthor			Title	;	Publishe		Year			
1,	Grupa autora			otechnology	toobacto	~~~	European Commisio	on	2004			
2, 3,	Poole, C. P., T.M. Nenado Pavlović			duction to nand a i tehnika tanl			Wiley Interscience Institut za nuklearne "Vinča", Beograd	e nauke	2003 1997			



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



 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:											
Course	id:	H829		Advanced robotics							
Number	of ECTS:	5									
Teache	:		Borovac A	. Branislav							
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		0		0			
Precond	lition courses	-		None							
1. Educ	ational goal:										
and its	dynamic beha	viour, as v	vell as contr	ol synthesis (o	n the basi	This includes modelling s of force feedback, visu complex robotic systems	al information, mor	cognitive syst	em). The		
2. Educ	ational outcom	nes (acquir	ed knowledg	ge):							
				e dynamics, rec ynthesize contr		evant dynamic effects ar	nd, on the basis of re	equired behav	vior of the		
3. Cours	se content/stru	icture:									
structur	ed environme	nt), artifici	al vision as		nformatior	im of activity, problems a a anout robot situadness esis.					
4. Teac	ning methods:										
will be d		practical iss	sues with ma			explained theorethical fur dents. Students will be fo					
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	-	Mandatory	Points		
Project	task			Yes	30.00	Theoretical part of the ex	am	Yes	70.00		
					Litera	ature					
Ord.	A	uthor			Title		Publish	er	Year		
1,	Siciliano B., I			inger handbook	of robotic	S	Springer-Verlag		2008		
2,	Spong M., Hu Vidyasagar M		S., Rob	ot Modeling an	d Control		John Wiley & Sons		2006		
3,	R. Dorf, R. B	ishop		dern Control Sys	stems		Pearson Education Hall	- Prentice	2011		
4,	G. Franklin, C. Emami-naeir		I, A. Fee	dback Control o	of Dynamic	c Systems	Pearson Education Hall	- Prentice	2010		
5,	G. Bradski, A		Lea	rning OpenCV			O'Reilly Media, Inc		2008		



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



 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:								
Course id:	M3508	1			Mass Transf	er		
Number of E	CTS: 6	1						
Teachers:		Dragutinov	vić D. Gordan, E	aković D.	Damir, Đurić N. Slavko			
Course statu	s:	Elective						
Number of a	ctive teaching class	es (weekly)						
Lectur	es: Practica	I classes:	es: Other teaching types: Study research work:				Other cla	asses:
3		2	0		0		1	
Precondition	courses		None		•	•		
1. Education	al goal:							
Introduction processes a		epts and me	thods of proble	ms solvir	ng in the field of mass tr	ansfer, as well as a	pplications to	o specific
2. Education	al outcomes (acqui	red knowled	ge):					
Knowledge industrial fie		s methods o	of mass transfe	r, as well	as about possibilities of	mass transfer appli	cation within	different
3. Course co	ntent/structure:							
mass (molar type for n-k systems con equimolar c isoconcentra) balances of the on nixtures, diffusivity sidering constitutivo ounterdiffusion, d	components in n-k systeve relations iffusion three	, Fick`s constitu ems considering of Maxwel type ough inert envi	tive relation constitution). Molecu ronment,	es of diffusive mass trans on for 2-k systems, diffus ive relations of Fick's typ lar diffusion (one-dimens stationary molecular d ulticomponent systems,	ivity of binary mixture e, Maxwel type equa sional stagnant diffus iffusion at the cond	es, equations ations, diffusiv sion – binary litions of cha	of Fick`s vity in n-k systems, angeable
4. Teaching								
Lectures, au	ditory, calculation				course grade is formed b quiums. If the student pas			
			Knowledge e	evaluation	(maximum 100 points)		-	
	-examination obligation	ations	Mandatory	Points	Final ex		Mandatory	Points
Exercise atte			Yes		Written part of the exam	- tasks and theory	Yes	70.00
Lecture atter Test	uance		Yes	5.00 10.00				
Yes 10.00 Test Yes 10.00								
			100		ature			
Ord.	Author							Year
1, Mila	n Dimić	Difu	uzioni prenos ma	ase		FTN		1994



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Course:		Drofossional Drastias							
Course id:	M45sp			F	Professional Pra	actice			
Number of ECTS:	3								
Teachers:									
Course status:		Mandator	ŷ						
Number of active teaching classes (weekly)									
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:	
0	()	0		0		3		
Precondition course	S		None						
1. Educational goal									
One of the integral segments of the curriculum for the study programme Regional Policies and Development is professional practice carries out in adequate scientific and research institutions, relevant city and provincial institutions dealing with activities relevant to acquire adequate practical experience in regional planning and regional development. The objective of professional practice is to acquire direct and practical knowledge on the functioning and organization of institutions and establishments dealing with jobs within the profession for which the student is being educated and the possibility of applying the previously acquired knowledge in practice.									
2. Educational outc	omes (acquir	ed knowled	dge):						
regional planning a - Getting students a employees` roles ir	and developr acquainted w adequate find	nent withir ith the ac elds and th	n the selected in tivities of the seleneir organization	stitution of ected inst structures	itution or establishment,	their business mann			
3. Course content/s	tructure:								
					separately, in agreement ce with demands of the				
4. Teaching method	s:								
Practical work, tutorials and writing a professional practice diary in which students describe activities and jobs they performed during professional practice.									
	Knowledge evaluation (maximum 100 points)								
Pre-examination obligations Mandatory Points Final exam Mandatory Points							Points		
Project			Yes	50.00	Oral part of the exam		Yes	50.00	
				Litera	ature				
Ord	Author			Title		Publishe	r	Year	



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 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:																
Course id:		VI45021		C	ompu	ter Methods in N	Aechanics 2									
Number of E	ECTS:	5														
Teacher:			Zuković M.	Miodrag												
Course stat	us:		Mandatory													
Number of a	active teach	ning classe	s (weekly)													
Lectu	ires:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other clas	sses:							
2		2		0		0		0								
Precondition	n courses			None		•										
1. Education	nal goal:															
Analysing a	nd solving	equation w	hich appear	in mechanics	by applica	ation of numeric procedure	es.									
2. Education	nal outcom	es (acquire	d knowleda	e).												
			-	engineering pro	obleme											
Application	or numeric	procedure	s in solving (engineening pro	Juleins.											
3. Course c	ontent/stru	cture:														
with Galerk	in method.					elements methods. Prob ethod optimization. Nume										
4. Teaching	methods:								development.							
Lectures, pr	ractical clas	ses and co	nsulation					4. Teaching methods:								
, p.																
				Knowladaa		(maximum 100 a sints)										
		kan ahlimat				(maximum 100 points)		Mandatan	Deinte							
	e-examina	tion obligat		Mandatory	Points	Final ex	am	Mandatory								
Pr Exercise att Lecture atte	endance	tion obligat		Mandatory Yes	Points	ī · · · ·	am	Mandatory Yes								
Exercise att Lecture atte	endance endance	tion obligat		Mandatory Yes Yes	Points 5.00	Final ex	am	· · · · ·								
Exercise att Lecture atte	endance endance	tion obligat		Mandatory Yes	Points 5.00 5.00	Final ex	am	· · · · ·								
Exercise att Lecture atte Term paper	endance endance	tion obligat		Mandatory Yes Yes Yes	Points 5.00 5.00 20.00	Final ex	am	· · · · ·								
Exercise att Lecture atte Term paper Test	endance endance	tion obligat		Mandatory Yes Yes Yes Yes	Points 5.00 5.00 20.00 10.00 10.00	Final ex	am	· · · · ·	Points 50.00							
Exercise att Lecture atte Term paper Test	endance endance	tion obligat		Mandatory Yes Yes Yes Yes	Points 5.00 5.00 20.00 10.00 10.00	Final e Oral part of the exam	am Publishe	Yes	Points 50.00							



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 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:		St	udv-Rese	arch W	ork on the Mas	ster Thesis T	heoretic	al	
Course id:	SIM01]			Framework				
Number of ECTS:	15				i i ani o i o i i				
Teachers:									
Course status:		Mandatory	y						
Number of active	eaching class	es (weekly)							
Lectures:	Practical	l classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	asses:	
0	(0	0		10)	0		
Precondition cours	ses	-	None			-			
1. Educational goa	1. Educational goal:								
2. Educational out	comes (acquir	ed knowled	ge):						
3. Course content	structure:								
4. Teaching metho	4. Teaching methods:								
			Knowledge e	valuation (m	naximum 100 points)				
Pre-examination obligations Mandatory Points Final exam Mandatory Points									
				Literatu	Jre				
Ord	Author			Title		Publish	er	Year	



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 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:								
Course id:	M4MR				Master Thesis			
Number of ECTS:	8							
Teachers:								
Course status:		Mandato	ry					
Number of active teaching classes (weekly)								
Lectures:	Practical	classes:	Other teachin	g types:	Study research work:	Other clas	sses:	
0	()	0		0	8		
Precondition courses			None					
1. Educational goal:								
Master thesis objectives refer to very detailed and overall research in certain scientific discipline. Simultaneously, one of the objectives is to employ contemporary methodology in research and data analyses, as well as to adequately present results in the form of scientific writing. In addition, Master thesis objective is to educate students for challenges of contemporary regional development of European space.								
2. Educational outcom	nes (acquire	ed knowle	dge):					
more detailed and ser It is also to enable gr	ious resear aduate Ma	rch in the s ster stude	set scientific discipent for the role of	oline, that is an analyst	ific paper whose results should provide cer s, regional policies and development. and evaluator of regional development str and scientific institutions.			
3. Course content/stru	icture:							
regional cooperation a the form containing th Literature.	and develop ne following of final-Ma	pment. Th g chapters ster paper	e student has the s: Introduction, Th rs that would be e	obligation, eoretical p laborated a	roduced to research methodology in the fie on performing field experimental research, art, Experimental part, Results and discus and defended within the study programme	to write a final ssion, Conclus	paper in ions and	
4. Teaching methods:								
The method for elaborating Master thesis should include the preparation phase (title definition, content, methodology determination, primary sources), followed by research and field work (field research, data acquisition and database formation, etc. and the like) and the final phase – classroom work (obtained data analysis and definition, writing Master thesis text body and final tutorials with the supervisor). It is compulsory to defend the Master thesis in front of the officially appointed committee.								
			Knowledge ev	aluation (n	naximum 100 points)			
Pre-examina	ation obliga	tions	Mandatory	Points	Final exam	Mandatory	Points	



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 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Course:										
Course	id:	M2540				Vibrodiagnost	ics			
Number	of ECTS:	4								
Teacher	:		Zuber F. I	Ninoslav						
Course	status:		Elective							
Number	of active teac	hing classe	es (weekly)	I						
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:	
	2	()	2		0		0		
Precond	lition courses			None		-				
1. Educa	ational goal:			-						
				nowledge in the , application of		echnical diagnostics of hermography.	machines – measure	ement and ar	nalysis of	
2. Educa	ational outcom	nes (acquir	ed knowled	lge):						
	g knowledge active machin				mage, ap	plication during various p	hases of designing	and through p	oredictive	
3. Cours	e content/stru	icture:								
transform function Vibratio Measure Technic frequen Transm	mation; Spect ; Digital signa ns of rotating ement of excit al diagnostic cies (); Ident ission functio	ral analysis al and erro machines ration and r s and main tification a n; Time co	s, RTVA (R r processir ; Spectral i response; 1 ntenance; and metho onstant; Mi	eal Time Vibrati ng, Measuremer maps; Phase ar Types and chara Transmissive v ds; Designing crophones; Fur	on Analys nt chain fo nalysis; C icteristics ibration a law cost ndamenta	eterministic and random is), System analysis; Sys or vibration measuring; N ampbell diagram; Orbit a of excitation; Modal para nalyzers, Diagnostics in systems for online mor I elements of phonomete ogy of testing and borde	tem excitation and re leasurement method nalysis; Modal analy meter determination; the domain of low itoring and rotating er and systems for r	esponse; Ťrar ds and chara ysis; Oscillati Modification (), middle () g machine pi	ismission cteristics; on forms, structure; and high otection;	
4. Teach	ning methods:									
Lectures	s. Auditory cla	sses. Cons	ultations.							
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points	
Project				Yes		Oral part of the exam		Yes	50.00	
Term pa	per			Yes	20.00					
						ature				
Ord.		wthor	Title Publisher Year							
1,	Taylor J.		The vibration analysis handbook VCI 2003							
2, 3.	Harris C., Pie Silva C.	ersol A.	Shock and vibration handbook McGraw Hill 2001 Vibration fundamentals and practice CBC 1000							
3, 4.	Taylor F.		Vibration fundamentals and practice CRC 1999 Noise control in industry 1999							
-т,					uouy		<u> </u>		1000	



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Course	:		Design and maintenance of quality control in environmental							
Course	id: Z	Z452	engineering							
Numbe	r of ECTS: 4	4				engineening)			
Teache	ers:	Vuj	ć V. Gora	an, Ubavin M.	Dejan, Ha	adžistević J. Miodrag				
Course	status:	Ele	ctive							
Numbe	r of active teach	ning classes (w	eekly)							
L	.ectures:	Practical clas	ses:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:	
	2	2	0 0 0							
Precondition courses None										
1. Educ	ational goal:									
						egislation, standards and ds ISO 14000, ISO 17025				
2. Educ	ational outcom	es (acquired kr	owledge):						
experin require	nental methods ments of select	, enabling the ted standards,	students enabling	to consider the students	the syster s to interp	Engineering, education m of an organization and ret a series of standards nance of quality systems	I the degree to which in a relation to the a	n it is aligned	d with the	
3. Cour	se content/strue	cture:								
field of cycle, I control	Selected units in the following fields: Quality system QM and TQM, key requirements of the standards ISO 14000, ISO 17025, the standard HCCP in environmental engineering, Monitoring of regulations, legislative, legal EU requirements, European standards in the field of interest, Type and methods of environmental assessment, Advantages and disadvantages of establihing the system, the PDCA cycle, Environmental aspects – the main pollutants and the criteria for evaluation of their significance, Aims and Objectives, Quality control of chemical and manufacturing industries, Basic principles of GLP (Good Laboratory Practice), Implementation and maintanence of internal quality control, Calibration and maintenance of instruments, The significance of PT schemes and inter-laboratory comparisons and their role in assuring the quality of test and calibration results, environmental protection in the concept of food safety, Accreditation									
and the and cer 4. Teac	ir role in assuri rtification. hing methods:	ing the quality	of test ar	nd calibration	results, e	nvironmental protection i	n the concept of food	d safety, Acc	reditatior	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o	ir role in assuri tification. hing methods: s. Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle	Ing the quality and Computing tims are the for tring the seme r and present the tess they have toole semester of	Practice. ms of the ster stude erm pape bassed th curriculum	Consultation Consultation knowledge a ents are requ er on selected he written pa n. The course	s. During assessme ired to att t topic. Aft rt of exam		n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are requ	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar ired to take t	reditation ough two and they s to pass e allowed he whole	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o	ir role in assuri rtification. hing methods: s. Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle covering the wh	Ing the quality and Computing tims are the for tring the seme r and present the tess they have toole semester of	Practice. ms of the ster stude erm pape bassed th curriculum	Consultation Consultation knowledge a ents are requer on selected he written pa n. The course e end of sem	s. During assessme ired to att topic. Aft rt of exam grade is ester.	the semester students can nt and they are consist c end lectures, computing ter successful fulfillment c n through two colloquium	n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are requ	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar ired to take t	reditation ough two and they s to pass e allowed he whole	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o	ir role in assur- trification. thing methods: the Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle covering the wh s in colloquiums	Ing the quality and Computing tims are the for tring the seme r and present the tess they have toole semester of	Practice. ms of the ster stude erm pape bassed th curriculum	Consultation Consultation knowledge a ents are requer on selected he written pa n. The course e end of sem	s. During assessme ired to att topic. Aff topic. Aff topic ester. ester.	the semester students can nt and they are consist of end lectures, computing ter successful fulfillment of h through two colloquium formed based on points of	n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are require collected by filling the	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar ired to take t	reditation and they s to pass e allowed the whole bligations	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o success	ir role in assur- trification. thing methods: the Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle covering the wh s in colloquiums	ing the quality ind Computing ims are the for ring the seme r and present f ess they have iole semester of s or in whole e	Practice. ms of the ster stude erm pape bassed th curriculum	Consultation consultation knowledge a ents are requer on selected ne written pa n. The course e end of sem Knowledge e	s. During assessme ired to att topic. Aft topic. Aft grade is ester. evaluation Points 5.00	the semester students cant and they are consist of end lectures, computing ter successful fulfillment of through two colloquium formed based on points of (maximum 100 points) Final ex Written part of the exam	n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are required collected by filling the	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar ired to take t pre-exam of	reditation and they s to pass e allowed the whole bligations Points	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o success Laboral Lecture	ir role in assuri- trification. thing methods: thing methods: the s. Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle covering the wh s in colloquiums Pre-examinat tory exercise atter attendance	ing the quality ind Computing ims are the for ring the seme r and present f ess they have iole semester of s or in whole e	Practice. ms of the ster stude erm pape bassed th curriculum	Consultation consultation knowledge a ents are requer on selected he written pa h. The course e end of sem Knowledge e Mandatory	s. During assessme ired to att t topic. Aft t of exam grade is ester. evaluation Points 5.00 5.00	the semester students cant and they are consist of end lectures, computing the successful fulfillment of through two colloquium formed based on points of (maximum 100 points) Final ex	n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are required collected by filling the	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar ired to take t pre-exam of Mandatory	reditation rough two and they s to pass e allowed he whole bligations Points 30.00	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o success Laborat Lecture Term p	ir role in assuri- trification. thing methods: thing methods: the s. Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle covering the wh s in colloquiums Pre-examinat tory exercise atter attendance	ing the quality ind Computing ims are the for ring the seme r and present f ess they have iole semester of s or in whole e	Practice. ms of the ster stude erm pape bassed th curriculum	Consultation e knowledge a ents are requ er on selected he written pa n. The course e end of sem Knowledge e Mandatory Yes Yes Yes Yes	s. During assessme ired to att t topic. Aft t of exam grade is ester. evaluation 5.00 5.00 20.00	the semester students cant and they are consist of end lectures, computing ter successful fulfillment of through two colloquium formed based on points of (maximum 100 points) Final ex Written part of the exam	n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are required collected by filling the	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar ired to take t pre-exam of Mandatory Yes	reditation rough two and they s to pass e allowed he whole bligations Points 30.00	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o success Labora Lecture Term p Test	ir role in assuri- trification. thing methods: thing methods: the s. Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle covering the wh s in colloquiums Pre-examinat tory exercise atter attendance	ing the quality ind Computing ims are the for ring the seme r and present f ess they have iole semester of s or in whole e	Practice. ms of the ster stude erm pape bassed th curriculum	Consultation knowledge a ents are requer on selected he written pa n. The course e end of sem Knowledge e Mandatory Yes Yes Yes Yes	s. During assessme ired to att t topic. Aft t of exam e grade is ester. evaluation 5.00 5.00 20.00 10.00	the semester students cant and they are consist of end lectures, computing ter successful fulfillment of through two colloquium formed based on points of (maximum 100 points) Final ex Written part of the exam	n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are required collected by filling the	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar ired to take t pre-exam of Mandatory Yes	reditation rough two and they s to pass e allowed he whole bligations Points 30.00	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o success Laborat Lecture Term p	ir role in assuri- trification. thing methods: thing methods: the s. Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle covering the wh s in colloquiums Pre-examinat tory exercise atter attendance	ing the quality ind Computing ims are the for ring the seme r and present f ess they have iole semester of s or in whole e	Practice. ms of the ster stude erm pape bassed th curriculum	Consultation e knowledge a ents are requ er on selected he written pa n. The course e end of sem Knowledge e Mandatory Yes Yes Yes Yes	s. During assessme ired to att d topic. Aff tr of exam e grade is ester. evaluation Points 5.00 5.00 20.00 10.00	the semester students cant and they are consist of end lectures, computing the successful fulfillment of through two colloquium formed based on points of (maximum 100 points) Final ex Written part of the exam Oral part of the exam	n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are required collected by filling the	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar ired to take t pre-exam of Mandatory Yes	rough two and they s to pass e allowed the whole bligations	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o success Laborat Lecture Term p Test Test	eir role in assuri rtification. thing methods: es. Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle covering the wh s in colloquiums Pre-examinat tory exercise attendance aper	ing the quality ind Computing ims are the for iring the seme r and present f ess they have ole semester of s or in whole e tion obligations tendance	Practice. ms of the ster stude erm pape bassed th curriculum	Consultation knowledge a ents are requer on selected he written pa n. The course e end of sem Knowledge e Mandatory Yes Yes Yes Yes	s. During assessme ired to att t topic. Aft t of exam e grade is ester. evaluation 5.00 5.00 20.00 10.00 Liter	the semester students cant and they are consist of end lectures, computing ter successful fulfillment of through two colloquium formed based on points of (maximum 100 points) Final exam Oral part of the exam Oral part of the exam	n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are required collected by filling the cam - tasks and theory	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar irred to take t pre-exam of Mandatory Yes Yes	reditation and they s to pass e allowed he whole oligations Points 30.00 20.00	
and the and cer 4. Teac Lecture colloqu are in v two tes to take exam, o success Laboral Lecture Term p Test Test Ord.	eir role in assuri rtification. thing methods: es. Laboratory a iums. Colloquiu vritten form. Du ts and to delive the exam, unle covering the wh s in colloquiums Pre-examinat tory exercise attendance aper	ing the quality ind Computing ims are the for iring the seme r and present f ses they have ole semester of s or in whole e tion obligations tendance	Practice. ms of the ster stude erm pape passed th curriculum kam at th	Consultation e knowledge a ents are requer on selected he written pa n. The course e end of sem Knowledge e Mandatory Yes Yes Yes Yes Yes Yes	s. During assessme ired to att t topic. Aft t of exam grade is ester. evaluation 5.00 5.00 20.00 10.00 10.00 Liter Title	the semester students cant and they are consist of end lectures, computing ter successful fulfillment of through two colloquium formed based on points of (maximum 100 points) Final exam Oral part of the exam Oral part of the exam	n the concept of food in pass the writen part of theoretical and con and laboratory praction of pre-exam obligation s, students are required collected by filling the collected by filling the collected by filling the collected by filling the collected by filling the collected by filling the collected by filling the colle	d safety, Acc rt of exam thr nputing parts ce, as well a ns student ar irred to take t pre-exam of Mandatory Yes Yes	reditation and they s to pass e allowed the whole oligations Points 30.00 20.00	
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation

A REAL PROPERTY OF

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

		Literature		
Ord.	Author	Title	Publisher	Year
9,	Grupa autora (CITAC and EURACHEM)	Guide to Quality in Analytical Chemistry – An aid to accreditation	CITAC, Eurachem	2012
10,	S. Mortimore, C.Wallace, C. Cassianos	HCCP	Wiley-Blackwell	2001



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

Study Programme Accreditation

Technical Mechanics and Technical Design



Standard 06. Programme Quality, Contemporaneity and International Compliance

MASTER ACADEMIC STUDIES

The study programme is coordinated with contemporary trends and situation in profession, science and art in adequate educational scientific or educational artistic field and it is compatible with similar programmes in international higher education institutions.

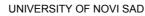
The study programme of Technical Mechanics and Technical Design is created as a comprehensive programme and provides students latest scientific knowledge in the field.

The programme of Technical Mechanics and Technical Design is comparable and coordinated with the following faculties:

1.ViennaUniversityofTechnology,Austria-033245-MechanicalEngine ering,

(http://tuwis.tuwien.ac.at/zope/_ZopeId/75014959A119ehqUY0Q/tpp/lv/sp/spfache_html?kode=445&spsem =2006U)

2. Budapest University of Technology and Economics, Hugary, Faculty of Mechanical Engeneering (http://www.bme.hu/en/organization/faculties/mechanical/index.html, http://www.tanok.bme.hu/bulletin/)





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Standard 07. Student Enrollment

MASTER ACADEMIC STUDIES

The Faculty of Technical Science, in accordance with social demands and its resources, enrols students to adequate study programme based on their success in the previous education and entrance examination testing their knowledge, aptitudes and skills. Selection of students and their enrolment is based on success in previous education and success in the enrolment exam and in accordance with Faculty Regulation for student enrolment to study programmes.

Students from other study programme can transfer to this study programme as well as persons who completed studies. The evaluation commission (consisting of Heads of Departments included in study programme realization) evaluates all passed exams and on the bases of recognized exams decides whether the candidate's previous success can completely or partially be recognized. The Commission can require appropriate additional differential exam or not to recognize any of the previously passed exam.



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design



Standard 08. Student Evaluation and Progress

The evaluation of students is performed by continual monitoring of students` accomplishments and the points obtained in fulfilling prerequisites and taking examinations.

The students master the study programme by taking examinations and thus obtaining a certain number of ECTS credits, in accordance with the study programme of graduate academic studies in Energy and Process Engineering.

Each course at the study programme has a set number of ECTS credits which students obtain on successfully passing the examination. 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. Each course at the study programme has a clear and publicly known mode of obtaining points.

A students 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.

For a student to be allowed to take an exam, he/she needs to be awarded at least 15 ECTS credits in subject's prerequisites. Additional terms for taking an exams are defined for each subject individually. Student's advancement during the studying is determined by Regulations for studying at graduate academic studies.



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

Study Programme Accreditation

Technical Mechanics and Technical Design



MASTER ACADEMIC STUDIES

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

Total number of lecturers and associates employed at the study programme is adequate to accomplish the total number of classes in the study programme so that the professor performs on average 180 active classes annually (lectures, consultations, practical classes, practical work, etc), that is 6 classes weekly. All lecturers are full time employed at the Faculty.

Number of associates corresponds the needs of the study programme. Total number of associates in study programme is enough to cover total number of classes so that associates realize 300 classes on average of active classes annually, that is 10 classes weekly.

Scientific and professional qualifications of lecturers an assistants is in relation to educational and scientific field. Each professor has at least five references in the professional field in which he/she performs the lectures.

Group size for classes is up to 32, practical classes groups is up to 16, and laboratory practical classes groups up to 8 students.

None of the professors has more than 12 classes weekly. All data on lecturers and assistants (CV, references) are publicly available.



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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Science, arts and professional qualifications

Name and last name:					Borovac A. Branislav				
	emic title:				Full Professo				
		titution v	vhere the to	acher works full time and	F H CT		nces - Novi Sad		
-	ng date:				01.10.1975				
	ntific or art f	ield:				, Robotics a	and Automation and Integral Systems		
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	lection:	1998	Faculty of Technical Sci	ences - Novi Sa	ad	Mechatronics, Robotics and Automation and Integral Systems		
PhD	thesis		1986	Faculty of Technical Sci	ences - Novi Sa	ad	Robotics and Flexible Automation		
Magi	ster thesis		1982	Faculty of Technical Sci	ences - Novi Sa	ad	Robotics and Flexible Automation		
Bach	elor's thesis	S	1975	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanical Engineering		
List c	f courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	EM436	Mecha	itronics			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
2.	H102	Funda	mentals in I	Product Development		(H00) Mec	chatronics, Undergraduate Academic Studies		
3.	H1404	Mecha	itronics			(M40) Tec	chatronics, Undergraduate Academic Studies chnical Mechanics and Technical Design, uate Academic Studies		
4.	H308	Indust	rial Robotic	S		(H00) Mec	chatronics, Undergraduate Academic Studies		
						(F10) Eng Studies	ineering Animation, Undergraduate Academic		
5.	1600	Indust	rial Robotic	S			asurement and Control Engineering, uate Academic Studies		
							er, Electronic and Telecommunication g, Undergraduate Academic Studies		
6.	BM116A	Basics	of medical	robotics		Studies	medical Engineering, Undergraduate Academic		
7.	EM436A	Mecha	tronics			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
8.	II1035	Industi	rial robotics			Studies	strial Engineering, Undergraduate Academic		
						Undergrad	chnical Mechanics and Technical Design, uate Academic Studies		
9.	H1503	Non In	dustrial Rol	botics and Automation in I	Buildings	(H00) Mechatronics, Master Academic Studies (110) Industrial Engineering, Master Academic Studies			
10.	HDOK1 S	Select	ed topics in	industrial robotics		(E11) Pow	ver, Electronic and Telecommunication g, Specialised Academic Studies		
11.	HDOK2	Solart	ed topics in	non-industrial robotics		<u> </u>	strial Engineering, Specialised Academic Studies		
- 11.	S	Select	eu topics in	non-industrial robotics					
12.	IMDR0S	Selecter and co		s in enterprise's design, or	ganization	` ´´	strial Engineering, Specialised Academic Studies neering Management, Specialised Academic		
13.	NIT05	Advan	ced Techno	blogy for Material Handling	9		strial Engineering - Advanced Engineering ies, Master Academic Studies		
14.	AD0007	Interac	ctive system	ns in architecture		Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies		
15.	H828	Advan	ced robotic	S		(H00) Mec	chatronics, Master Academic Studies		
16.	H829	Advan	ced robotic	S			strial Engineering, Master Academic Studies chnical Mechanics and Technical Design, Master		
						Académic	0		
17.	IIDS6	Select	ed chapters	in automation			strial Engineering, Specialised Academic Studies		
18.	GD018	Autom	ation and R	Robotics in Construction		(OM1) Ma	il Engineering, Doctoral Academic Studies thematics in Engineering, Doctoral Academic		
						Studies			



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

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

List C	of courses b	eing held by the teacher in the accred	lited study programm	28					
	ID	Course name		Study programme name, study type					
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies					
				(H00) Mechatronics, Doctoral Academic Studies					
19.	HDOK-1	Selected Chapters in Industrial Robo	otics	(M40) Technical Mechanics, Doctoral Academic Studies					
				(OM1) Mathematics in Engineering, Doctoral Academic Studies					
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies					
				(H00) Mechatronics, Doctoral Academic Studies					
20.	HDOK-2	Selected Chapters in Non-Industrial	Robotics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies					
				(M40) Technical Mechanics, Doctoral Academic Studies					
				(OM1) Mathematics in Engineering, Doctoral Academic Studies					
				(H00) Mechatronics, Doctoral Academic Studies					
21.	HDOKL1	Selected topics in non-industrial rob	otics	(M00) Mechanical Engineering, Doctoral Academic Studies					
				(M40) Technical Mechanics, Doctoral Academic Studies					
22.	HDOKL2	Selected topics in non-industrial rob	otics	(H00) Mechatronics, Doctoral Academic Studies					
		•		(M40) Technical Mechanics, Doctoral Academic Studies					
23.	IMDR0	Science of Industrial Engineering an	d Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies					
24.	IMDR80	Selected chapters in automation		(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies					
Rep	oresentative	refferences (minimum 5, not more th	an 10)						
1.				model of general human and humanoid motion, Multibody 96 (ISSN 1384-5640 (Print) 1573-272X (Online))					
2.		ović M., Borovac B., Potkonjak V., To (2007) Vol. 25, pp. 87-101	wards a Unified Unde	rstanding of Basic Notions and Terms in Humanoid Robotics,					
3.		ović M., Borovac B., Potkonjak V., ZM o. 2 (2006), pp. 153-176	P: A Review of Some	Basic Misunder-standings, Int. Jour. of Humanoid Robotics,					
4.		njak, M. Vukobratović, K. Babković, B. s and Verification, Int. Jour. of Human		odel of Dynamics of Human and Humanoid Motion: Feasibility, No. 2 (2006), pp. 21-48					
5.		ović M., Borovac B., Babković K., "Co d Robotics, Vol. 2, No. 3 (2005), pp. 3		v of Anthropomorphism of Humanoid Robots", Int. Jour. of					
6.		ović M., Borovac B., Note on the Artic Vol. 2, No.2, June 2005, pp. 225-227		t- Thirty Five Years of its Life", Int. Jour. of Humanoid					
7.		ović M., Borovac B., "Zero-Moment Po 04, pp. 157-173	pint- Thirty Five Years	of its Life", Int. Jour. of Humanoid Robotics, Vol. 1, No.1,					
8.		ratović, D. Andrić, B. Borovac, "How t d Robotic Systems, Vol. 1., No. 2, Pa		it Patterns from Single Nominal ", International Journal of					
9.	L. Juhas,	-	-	for Micro-Positioning Based on Piezo-Legs", The Journal of					
10.	M. Vukobratović, D. Andrić, B. Borovac, "Humanoid Robot Motion in Unstructured Environment - Generation of Various Gait								
Sur	nmary data	for teacher's scientific or art and profe	,						
	ation total :		1998						
	``	CI) list papers :	35 Demostia :						
Curre	ent projects	•	Domestic :	2 International : 1					



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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Science, arts and professional qualifications

Name and last name:					Budak M. Igor				
	e and last n				Assistant Pro				
		titution v	vhere the te	eacher works full time and			nces - Novi Sad		
	ng date:				06.09.2001				
Scier	ntific or art f	ield:			Metrology, Qu	uality, Fixtur	es and Ecological-Engineering Aspects		
Acad	emic cariee	er	Year	Institution			Field		
Academic title election: 2010 Faculty of Technical S					ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
PhD	thesis		2009	Faculty of Mechanical E	ngineering - Ljı	ubljana	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
Magi	ster thesis		2004	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering		
Bach	elor's thesis	S	1998	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering		
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	IA018	3D Dig	gitalization N	Methods		(F10) Eng Studies	ineering Animation, Undergraduate Academic		
2.	P1401	Fixture	e Design an	d Measuring Machines		(P00) Proo Studies	duction Engineering, Undergraduate Academic		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic		
3.	P1508	Revers	se Enginee	ring and CAQ			tware Engineering and Information Technologies, uate Academic Studies		
							tware Engineering and Information Technologies - ndergraduate Academic Studies		
	Dooc	M	nom-st			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
4.	P209	weasu	irements ar	ia Quality		(P00) Production Engineering, Undergraduate Academic Studies			
5.	P306	Fixture	es			(P00) Proo Studies	duction Engineering, Undergraduate Academic		
6.	Z207	Mecha	inical Engin	eering in Environmental E	ngineering	(Z20) Environmental Engineering, Undergraduate Academi Studies			
7.	Z207A	Mecha	nical Engin	eering in Environmental E	Ingineering	(Z01) Safety at Work, Undergraduate Academic Studies			
8.	Z301	Polluti	on Measure	ement and Control		(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Acade Studies			
9.	Z416	EMS S	Systems			(Z20) Environmental Engineering, Undergraduate Acaden Studies			
10.	ZRI441	Materia protec		systems for environmenta	al and labor	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
11.	Z416	EMS s	istemi(unet	ti naziv na engleskom)		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
12.	BM119D	Revers engine		ring and rapid prototyping	in biomedical	(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
13.	P322	Introdu	uction to Pre	ecision Engineering		(P00) Prod Studies	duction Engineering, Undergraduate Academic		
14.	ZC036	Measu	irement and	d control of pollution		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
15.	P1409	Materi	al Control S	Systems and CAI		(PM0)Pro	duction Engineering, Master Academic Studies		
16.	P1501	Ecological Technologies and Systems				(M40) Technical Mechanics and Technical Design, Mas Academic Studies			
4-	74464	- ·				, ,	duction Engineering, Master Academic Studies		
17.	Z416A	Enviro	nment Prot	ection System Manageme	ent	, ,	duction Engineering, Master Academic Studies		
18.	1907	Autom	ated Assen	nbly Systems for High Acc	curacy	(H00) Mechatronics, Master Academic Studies(PM0) Production Engineering, Master Academic Studies			
19.	P321	Revers	se Enginee	ring and Rapid Prototyping	g	(110) Indus	strial Engineering, Master Academic Studies		
20.	PIP16	Plastic	s and envir	onmental protection		(PM0)Pro	duction Engineering, Master Academic Studies		

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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

List	of courses b	eing held by the teacher in the accredi	ted study programme	es		
	ID	Course name		Study program	me name, study type	
21.	PLIS1	Logistics and Simulation in Technolog	gies of Plastics	(PM0) Productio	on Engineering, Master Aca	demic Studies
22.	PP103	Measurement and tools in precision e	engineering	(PM0) Productio	on Engineering, Master Aca	demic Studies
23.	SM3	Software support for reverse enginee	ring and CAQ	(PM0) Productio	on Engineering, Master Aca	demic Studies
24.	SZSP18	Contemporary scientific approaches i assessment of products (LCA)	n life cycle	(Z00) Environmental Engineering, Specialised Academic Studies		sed Academic
25.	Contemporary Approach to Integrati DM411 Engineering of Rapid Prototyping, T Virtual Manufacturing			(M00) Mechanical Engineering, Doctoral Academic Studi		cademic Studies
26.	DP001	Design and Research Methods in Pro Engineering		(M00) Mechanic	cal Engineering, Doctoral A	cademic Studie
27.	DP006	State and development trends of met fixtures	rology, quality and	(M00) Mechanical Engineering, Doctoral Academic Studie		
28.	DP013	Ecological Engineering Aspects		(M00) Mechanic	cal Engineering, Doctoral A	cademic Studie
29.	DP019	Selected topics in technical diagnosis	3	(M00) Mechanic	cal Engineering, Doctoral A	cademic Studie
30.	ZDH1	Modern Methods of Eco-design		(Z00) Environme Studies	ental Engineering, Doctoral	Academic
31.	ZSP18	Modern Scientific Approaches in Proc Assessment (LCA)	duct Life Cycle	(Z00) Environme Studies	ental Engineering, Doctoral	Academic
Re	oresentative	e refferences (minimum 5, not more tha	n 10)			
1	Budak I.,	Vukaliá P. Pračup D. Hadalič I. Sak				
1.		Sensors, 2012, Vol. 12, No 1, pp. 1100			from Contact and Optical 3	D Digitization
2.	Sensors, Tadić B.,	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić Đ., F elements, International Journal of Precis	0-1126, ISSN 1424-8 Proso U., Mandić V.,	Budak I.: Efficient	t workpiece clamping by inc	lenting cone-
	Sensors, Tadić B., shaped e 2234-759 Kosec G.	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić Đ., F elements, International Journal of Precis	D-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin	3220 Budak I.: Efficient I Manufacturing, 2	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17	denting cone- 25-1735, ISSN
2.	Sensors, Tadić B., shaped e 2234-759 Kosec G. Analysis, Budak I.,	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić Đ., F elements, International Journal of Precis 33 , Nagode A., Budak I., Antić A., Kosec	D-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin D-6307 ovement of point dat	Budak I.: Efficient Manufacturing, 2 nion from the drive	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17 of a cement mill, Engineer ampling-based methods by	denting cone- 25-1735, ISSN ing Failure
2.	Sensors, Tadić B., shaped e 2234-759 Kosec G. Analysis, Budak I., based de Budak I.,	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić Đ., F Iements, International Journal of Precis 33 , Nagode A., Budak I., Antić A., Kosec 2011, Vol. 18, pp. 450-454, ISSN 1350 Soković M., Barišić B.: Accuracy impr	D-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin D-6307 ovement of point dat 1, Vol. 44, No 6, pp. of a programme syst	Budak I.: Efficient Manufacturing, 2 nion from the drive a reduction with si 1188-1200, ISSN (cem for data-point	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17 e of a cement mill, Engineer ampling-based methods by 0263-2241 pre-processing in Reverse	denting cone- 25-1735, ISSN ing Failure Fuzzy logic-
2. 3. 4.	Sensors, Tadić B., shaped e 2234-759 Kosec G. Analysis, Budak I., based de Budak I., Journal c Jevremov manufact	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić Đ., F Iements, International Journal of Precis 33 , Nagode A., Budak I., Antić A., Kosec 2011, Vol. 18, pp. 450-454, ISSN 1350 Soković M., Barišić B.: Accuracy impr cision-making, MEASUREMENT, 2017 Hodolič J., Soković M.: Development	0-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin 0-6307 ovement of point dat 1, Vol. 44, No 6, pp. of a programme syst 05, Vol. 162, pp. 730 Kojić V., Eggbeer D. a biocompatibility an	Budak I.: Efficient Manufacturing, 2 nion from the drive a reduction with sa 1188-1200, ISSN (em for data-point)-735, ISSN 0924- , Williams R.: An I	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17 e of a cement mill, Engineer ampling-based methods by 0263-2241 pre-processing in Reverse 0136 RE/RM approach to the des	denting cone- 25-1735, ISSN ing Failure Fuzzy logic- Engineering, sign and
2. 3. 4. 5.	Sensors, Tadić B., shaped e 2234-759 Kosec G. Analysis, Budak I., based de Budak I., Journal c Jevremo manufact 2012, Vo Trifković	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić D., F elements, International Journal of Precis 3 , Nagode A., Budak I., Antić A., Kosec 2011, Vol. 18, pp. 450-454, ISSN 1350 Soković M., Barišić B.: Accuracy impr ecision-making, MEASUREMENT, 2017 Hodolič J., Soković M.: Development of Materials Processing Technology, 20 vić D., Puškar T., Budak I., Vukelić Đ., ture of removable partial dentures with	D-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin D-6307 ovement of point dat 1, Vol. 44, No 6, pp of a programme syst 05, Vol. 162, pp. 730 Kojić V., Eggbeer D. a biocompatibility an 349 Puškar T., Jevremov	Budak I.: Efficient Manufacturing, 2 nion from the drive a reduction with sa 1188-1200, ISSN (em for data-point 0-735, ISSN 0924- , Williams R.: An I alysis of the F75 (ic D., Vukelić Đ.:	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17 e of a cement mill, Engineer ampling-based methods by 0263-2241 pre-processing in Reverse 0136 RE/RM approach to the des Co-Cr SLM alloy, Materijali	denting cone- 25-1735, ISSN ing Failure Fuzzy logic- Engineering, sign and in tehnologije, nique and SEM
2. 3. 4. 5. 6.	Sensors, Tadić B., shaped e 2234-759 Kosec G. Analysis, Budak I., based de Budak I., Journal c Jevremov manufacl 2012, Vo Trifković in Accura Agarski E	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić D., F elements, International Journal of Precis 3 , Nagode A., Budak I., Antić A., Kosec 2011, Vol. 18, pp. 450-454, ISSN 1350 Soković M., Barišić B.: Accuracy impr ecision-making, MEASUREMENT, 2017 Hodolič J., Soković M.: Development of Materials Processing Technology, 20 vić D., Puškar T., Budak I., Vukelić D., ture of removable partial dentures with I. 46, No 2, pp. 123-129, ISSN 1580-25 B., Budak I., Todorović A., Hodolič J., F	0-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin 0-6307 ovement of point dat 1, Vol. 44, No 6, pp. of a programme syst 05, Vol. 162, pp. 730 Kojić V., Eggbeer D. a biocompatibility an 049 Puškar T., Jevremov Measurement Science ć D., Bosak M., Hodo	B220 Budak I.: Efficient Manufacturing, 2 nion from the drive a reduction with sa 1188-1200, ISSN (em for data-point 0-735, ISSN 0924- , Williams R.: An I alysis of the F75 (ce Review, 2012, V blič J.: Application	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17 e of a cement mill, Engineer ampling-based methods by 0263-2241 pre-processing in Reverse 0136 RE/RM approach to the des Co-Cr SLM alloy, Materijali Application of Replica Tech Vol. 12, No 3, pp. 90-97, IS of multi-criteria assessmer	denting cone- 25-1735, ISSN ing Failure Fuzzy logic- Engineering, sign and in tehnologije, nique and SEM SN 1335-8871 nt in evaluation of
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2. 3. 4. 5. 6. 7. 8.	Sensors, Tadić B., shaped e 2234-759 Kosec G. Analysis, Budak I., based de Budak I., Journal c Jevremov manufaci 2012, Vo Trifković in Accura Agarski E motor ve 3651 Vukelić E workpiec tehnologi	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić D., F elements, International Journal of Precis 3 , Nagode A., Budak I., Antić A., Kosec 2011, Vol. 18, pp. 450-454, ISSN 1350 Soković M., Barišić B.: Accuracy impr icision-making, MEASUREMENT, 2017 Hodolič J., Soković M.: Development of Materials Processing Technology, 20 vić D., Puškar T., Budak I., Vukelić D., ture of removable partial dentures with I. 46, No 2, pp. 123-129, ISSN 1580-25 B., Budak I., Todorović A., Hodolič J., F icy Measurement of Ceramic Crowns, I B., Kljajin M., Budak I., Tadić B., Vukelić hicles' environmental performances, Te D., Miljanić D., Ranđelović S., Budak I., e penetration (Article in press, date of a	0-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin 0-6307 ovement of point dat 1, Vol. 44, No 6, pp of a programme syst 05, Vol. 162, pp. 730 Kojić V., Eggbeer D. a biocompatibility an 049 Puškar T., Jevremov Measurement Scienci ć Đ., Bosak M., Hodo ehnički vjesnik/Techr Džunić D., Erić M., F acceptance 28.08.20 rović P., Ranđelović	B220 Budak I.: Efficient Manufacturing, 2 nion from the drive a reduction with sa 1188-1200, ISSN (em for data-point 0-735, ISSN 0924- , Williams R.: An I alysis of the F75 (ić D., Vukelić Đ.: / ce Review, 2012, N blič J.: Application nical Gazette, 2012 Pantić M.: Burnish 12, Manuscript Nu S., Jeremić B.: No	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17. e of a cement mill, Engineer ampling-based methods by 0263-2241 pre-processing in Reverse 0136 RE/RM approach to the des Co-Cr SLM alloy, Materijali Application of Replica Tech Vol. 12, No 3, pp. 90-97, IS of multi-criteria assessmer 2, Vol. 19, No 2, pp. 221-22 ning process based on optin umber: MIT-45-2012), Mate	denting cone- 25-1735, ISSN ing Failure Fuzzy logic- Engineering, sign and in tehnologije, nique and SEM SN 1335-8871 nt in evaluation 6, ISSN 1330- nal depth of rijali in
2. 3. 4. 5. 6. 7. 8. 9. 10.	Sensors, Tadić B., shaped e 2234-759 Kosec G. Analysis, Budak I., based de Budak I., Journal c Jevremov manufact 2012, Vo Trifković in Accura Agarski E motor ve 3651 Vukelić E workpiec tehnologi Vukelić E increased	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić D., F elements, International Journal of Precis 3 , Nagode A., Budak I., Antić A., Kosec 2011, Vol. 18, pp. 450-454, ISSN 1350 Soković M., Barišić B.: Accuracy impr cision-making, MEASUREMENT, 2017 Hodolič J., Soković M.: Development of Materials Processing Technology, 20 vić D., Puškar T., Budak I., Vukelić D., ture of removable partial dentures with I. 46, No 2, pp. 123-129, ISSN 1580-29 B., Budak I., Todorović A., Hodolič J., F acy Measurement of Ceramic Crowns, I B., Kljajin M., Budak I., Tadić B., Vukelić hicles' environmental performances, Te D., Miljanić D., Ranđelović S., Budak I., e penetration (Article in press, date of a je, 2012, ISSN 1580-2949 D., Tadić B., Miljanić D., Budak I., Todo	0-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin 0-6307 ovement of point dat 1, Vol. 44, No 6, pp. 7 of a programme syst 05, Vol. 162, pp. 730 Kojić V., Eggbeer D. a biocompatibility an 049 Puškar T., Jevremov Measurement Science ć Đ., Bosak M., Hodo ehnički vjesnik/Techr Džunić D., Erić M., F acceptance 28.08.20 rović P., Ranđelović snik-Technical Gaze	B220 Budak I.: Efficient Manufacturing, 2 nion from the drive a reduction with sa 1188-1200, ISSN (em for data-point 0-735, ISSN 0924- , Williams R.: An I alysis of the F75 (ić D., Vukelić Đ.: / ce Review, 2012, N blič J.: Application nical Gazette, 2012 Pantić M.: Burnish 12, Manuscript Nu S., Jeremić B.: No	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17. e of a cement mill, Engineer ampling-based methods by 0263-2241 pre-processing in Reverse 0136 RE/RM approach to the des Co-Cr SLM alloy, Materijali Application of Replica Tech Vol. 12, No 3, pp. 90-97, IS of multi-criteria assessmer 2, Vol. 19, No 2, pp. 221-22 ning process based on optin umber: MIT-45-2012), Mate	denting cone- 25-1735, ISSN ing Failure Fuzzy logic- Engineering, sign and in tehnologije, nique and SEM SN 1335-8871 nt in evaluation 6, ISSN 1330- nal depth of rijali in
2. 3. 4. 5. 6. 7. 8. 9. 9.	Sensors, Tadić B., shaped e 2234-759 Kosec G. Analysis, Budak I., based de Budak I., Journal c Jevremov manufact 2012, Vo Trifković in Accura Agarski E motor ve 3651 Vukelić E workpiec tehnologi Vukelić E increased	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić D., F Jeremić B., Todorović P., Vukelić D., F Jeremić B., Todorović P., Vukelić D., F Jeremić B., International Journal of Precis 33 , Nagode A., Budak I., Antić A., Kosec 2011, Vol. 18, pp. 450-454, ISSN 1350 Soković M., Barišić B.: Accuracy impr cision-making, MEASUREMENT, 2017 Hodolič J., Soković M.: Development if Materials Processing Technology, 20 vić D., Puškar T., Budak I., Vukelić D., ture of removable partial dentures with I. 46, No 2, pp. 123-129, ISSN 1580-29 B., Budak I., Todorović A., Hodolič J., F acy Measurement of Ceramic Crowns, I S., Kljajin M., Budak I., Tadić B., Vukelić hicles' environmental performances, Te D., Miljanić D., Ranđelović S., Budak I., e penetration (Article in press, date of a je, 2012, ISSN 1580-2949 D., Tadić B., Miljanić D., Budak I., Todo d machining performance, Tehnički vjest for teacher's scientific or art and profer	0-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin 0-6307 ovement of point dat 1, Vol. 44, No 6, pp. 7 of a programme syst 05, Vol. 162, pp. 730 Kojić V., Eggbeer D. a biocompatibility an 049 Puškar T., Jevremov Measurement Science ć Đ., Bosak M., Hodo ehnički vjesnik/Techr Džunić D., Erić M., F acceptance 28.08.20 rović P., Ranđelović snik-Technical Gaze	B220 Budak I.: Efficient Manufacturing, 2 nion from the drive a reduction with sa 1188-1200, ISSN (em for data-point 0-735, ISSN 0924- , Williams R.: An I alysis of the F75 (ić D., Vukelić Đ.: / ce Review, 2012, N blič J.: Application nical Gazette, 2012 Pantić M.: Burnish 12, Manuscript Nu S., Jeremić B.: No	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17. e of a cement mill, Engineer ampling-based methods by 0263-2241 pre-processing in Reverse 0136 RE/RM approach to the des Co-Cr SLM alloy, Materijali Application of Replica Tech Vol. 12, No 3, pp. 90-97, IS of multi-criteria assessmer 2, Vol. 19, No 2, pp. 221-22 ning process based on optin umber: MIT-45-2012), Mate	denting cone- 25-1735, ISSN ing Failure Fuzzy logic- Engineering, sign and in tehnologije, nique and SEM SN 1335-8871 nt in evaluation 6, ISSN 1330- nal depth of rijali in
2. 3. 4. 5. 6. 7. 8. 9. 9. 10. Sun Quo	Sensors, Tadić B., shaped e 2234-759 Kosec G. Analysis, Budak I., based de Budak I., Journal c Jevremov manufact 2012, Vo Trifković in Accura Agarski E motor vel 3651 Vukelić E workpiec tehnologi Vukelić E increased mmary data	Sensors, 2012, Vol. 12, No 1, pp. 1100 Jeremić B., Todorović P., Vukelić D., F Jeremić B., Todorović P., Vukelić D., F Jeremić B., Todorović P., Vukelić D., F Jeremić B., International Journal of Precis 33 , Nagode A., Budak I., Antić A., Kosec 2011, Vol. 18, pp. 450-454, ISSN 1350 Soković M., Barišić B.: Accuracy impr cision-making, MEASUREMENT, 2017 Hodolič J., Soković M.: Development if Materials Processing Technology, 20 vić D., Puškar T., Budak I., Vukelić D., ture of removable partial dentures with I. 46, No 2, pp. 123-129, ISSN 1580-29 B., Budak I., Todorović A., Hodolič J., F acy Measurement of Ceramic Crowns, I S., Kljajin M., Budak I., Tadić B., Vukelić hicles' environmental performances, Te D., Miljanić D., Ranđelović S., Budak I., e penetration (Article in press, date of a je, 2012, ISSN 1580-2949 D., Tadić B., Miljanić D., Budak I., Todo d machining performance, Tehnički vjest for teacher's scientific or art and profer	0-1126, ISSN 1424-8 Proso U., Mandić V., sion Engineering and B.: Failure of the pin 0-6307 ovement of point dat 1, Vol. 44, No 6, pp. of a programme syst 05, Vol. 162, pp. 730 Kojić V., Eggbeer D. a biocompatibility an 349 Puškar T., Jevremov Measurement Science ć Đ., Bosak M., Hodo chnički vjesnik/Techr Džunić D., Erić M., F acceptance 28.08.20 rović P., Ranđelović snik-Technical Gaze ssional activity:	B220 Budak I.: Efficient Manufacturing, 2 nion from the drive a reduction with sa 1188-1200, ISSN (em for data-point 0-735, ISSN 0924- , Williams R.: An I alysis of the F75 (ić D., Vukelić Đ.: / ce Review, 2012, N blič J.: Application nical Gazette, 2012 Pantić M.: Burnish 12, Manuscript Nu S., Jeremić B.: No	t workpiece clamping by inc 012, Vol. 13, No 10, pp. 17. e of a cement mill, Engineer ampling-based methods by 0263-2241 pre-processing in Reverse 0136 RE/RM approach to the des Co-Cr SLM alloy, Materijali Application of Replica Tech Vol. 12, No 3, pp. 90-97, IS of multi-criteria assessmer 2, Vol. 19, No 2, pp. 221-22 ning process based on optin umber: MIT-45-2012), Mate	denting cone- 25-1735, ISSN ing Failure Fuzzy logic- Engineering, sign and in tehnologije, nique and SEM SN 1335-8871 nt in evaluation 6, ISSN 1330- nal depth of rijali in



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 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Nam	e and last n	ame.			Dragutinović	D Gordon		
	emic title:	ane.			Dragutinović D. Gordan Associate Professor			
		titution :	whore the to	achor works full time and				
	ng date:	itution v	vnere the te	acher works full time and	06.04.1980			
	ntific or art f	ield:			Termodynamics and Heat Transfer			
Acad	emic cariee	er	Year	Institution	,		Field	
Acad	emic title e	lection:	2010	Faculty of Technical Sci	ences - Novi S	ad	Termodynamics and Heat Transfer	
PhD	thesis		1987	Faculty of Technical Sci			Thermal Energetics and Thermotechnics	
Magi	ster thesis		1983	Faculty of Mechanical E	ngineering - Be	eograd	Thermal Energetics and Thermotechnics	
Bach	elor's thesis	s	1977	Faculty of Technical Sci		-	Thermal Energetics and Thermotechnics	
List o	f courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
1.	M203	Funda	mentals of	Thermodynamics		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
							chanization and Construction Engineering, luate Academic Studies	
		Fundamentals in Thermodynamics				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
2.	M203L					(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
							(MR0) Measurement and Control Engineering, Undergraduate Academic Studies	
						(P00) Prod Studies	duction Engineering, Undergraduate Academic	
3.	M210	Thorm	odunamica			(M30) Energy and Process Engineering, Undergraduat Academic Studies		
з.	M210	menn	odynamics			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(M30) Energy and Process Engineering, Undergraduate Academic Studies		
4.	M215	Fundamentals of Heat Transfer				Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
5.	M3303	Funda	mentals of	Process Engineering		Académic		
6.	URZP31	Funda	mentals of	Thermodynamics with He	at Transfer	Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
7.	GS013	Specia	al topics of t	ouilding physics and therm	nodynamics	(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	
8.	BMIM4A	Transp	oort phenon	nena and Living systems		(BM0) Bio	medical Engineering, Master Academic Studies	
	Macoo	Maga				(M30) Ene Studies	ergy and Process Engineering, Master Academic	
9.	M3508	IVId55	Transfer			(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies	
10. DM307 Selected Chapters in Mass Transfer				(M00) Mechanical Engineering, Doctoral Academic Studies				
11. DM313 Process Kinetics				(M00) Me	chanical Engineering, Doctoral Academic Studies			
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)				
1.				S. "Operation of Counter ublications, Southampton		tors", Book '	Vol. 4 in Series "Developments in Heat Transfer",	
2.	Baclic, B.	S. and I	Dragutinovi	c, G.D., "Asymmetric-unb	alanced Counte		nal Regenerator Problem: Solution by the nsfer, Vol.34, No. 2, 1991, pp. 483-498.	
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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Re	Representative refferences (minimum 5, not more than 10)								
3.	Dragutinovic, G.D., Baclic, B.S., "Interpolation and collocation methods for prediction of thermal regenerator performances", Thermal Science, Vol. 12, No. 4, 1996. pp. 307-327.								
4.	Baclic, B.S., Heggs, P.J., and Dragutinovic, G. Regenerators", Publications of the Faculty of T			5					
5.	Baclic, B.S., Gvozdenac, D.D., and Dragutinov Science, Vol. 1, No. 1, 1997, pp. 109-116.	ic, G.D., "Easy way to	calculate the A	mzelius-Schumann J fur	nction", Thermal				
6.	Dragutinović, D.G., Dimić, M., Sinteza optimaln	nih mreša toplotnih raz	zmenjivača, Teri	motehnika, 1, 1998.					
7.	Bašić, Đ., Petrović, J., Marić, M., Dragutinović, G., i dr., Mogućnost korišćenja energetskog potencijala geotermalnih voda u Vojvodini, Novi Sad, Prometej, 2009								
8.	Martinov, M., Dragutinović, G., i dr., Mogućnos Novi Sad, PSEMR AP Vojvodina, 2008	t kombinovane proizv	odnje električne	i toplotne energije iz bio	omase u AP Vojvodini,				
9.	Nedeljkov, M., Dragutinović, G., Mathematical avgust 1987	Simulation od Deep-B	Bed Drying of Gr	ains - A numerical simul	ation, CHISA, Prag,				
10.	Nedeljkov, M., Dragutinović, G., Mogućnosti i u proizvoda, 7. simpozijum termičara, Ohrid, ma		rocesa konvekti	vnosg sušenja zrnastih	poljoprivrednih				
Su	mmary data for teacher's scientific or art and profe	essional activity:							
Quot	Quotation total : 11								
Tota	I of SCI(SSCI) list papers :	2							
Curr	ent projects :	Domestic :	2	International :	0				



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

				-				
	e and last n	ame:			Daković D. Damir			
	lemic title:				Assistant Professor Faculty of Technical Sciences - Novi Sad			
					,			
	ntific or art f	iold:			01.12.2001 Process Tech			
	lemic carie		Year	Institution	Plocess leci	inics	Field	
					Nevi O	1		
	lemic title e	lection:	2012	Faculty of Technical Sci			Process Technics	
	thesis		2011	Faculty of Technical Sci			Process Technics	
	ster thesis		2007	Faculty of Technical Sci			Process Technics	
	elor's thesis		2001	Faculty of Technical Sci			Mechanical Engineering	
List o	of courses b	eing he	Id by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
						(M50) Ene	ergy Management, Master Academic Studies	
1.	1079	Moder	n Energy T	echnologies		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
2.	M3303	Funda	mentals of	Process Engineering		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
3.	M3406	Heat A	Apparatus			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M3409A	Moder	n Energy T	echnologies		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	M3507	Comb	ustion Tech	nology		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	Z412A	Process apparatus for protecting the environmer			nment	(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
7.	Z412	Proces		a zaštitu okoline(uneti na	ziv na	(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
8.	M211	Measu	irement and	Regulation		Academic		
		_ ·			<u>.</u>	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
9.	M3031		eering Calcu atus and Ec	ulations of Energy Techno uipment	logies	Academic		
10.	M3517	Constr	ruction in er	nergy and process engine	erina	Studies	ergy and Process Engineering, Master Academic	
						(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
11.	ZRI41A	Securi	ty and Safe	ty at Work in Process Pla	nts	(Z01) Safety at Work, Undergraduate Academic Studies		
12.	1079	Moder	n Energy T	echnologies		· /	ergy Management, Master Academic Studies an Energy Technologies, Undergraduate Studies	
13.	1915	Energy	y Transform	ations		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
14.	1916	Energ	y Managem	ent in Industry		(M50) Ene	ergy Management, Master Academic Studies	
15.	GS002	Energy Syster	, ,	of Heating and Air Condit	ioning	(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	
16.				(M50) Ene	ergy Management, Master Academic Studies			
17.				(M50) Ene	ergy Management, Master Academic Studies			
18.	M3503	Dinam	ika i modeli	ranje termoenergetskih naziv na engleskom)		, ,	ergy and Process Engineering, Master Academic	
19.	M3506		Technique			(M30) Energy and Process Engineering, Master Academic Studies		
20.	D. M3508 Mass Transfer				 (M30) Energy and Process Engineering, Master Academic Studies (M40) Technical Mechanics and Technical Design, Master 			
						Academic	Studies	

UNIVERSITY OF NOVI SAD



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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

List o	ist of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study programme name, study type					
21.	M3515	Energy Systems		(M30) Energy and Process Engineering, Master Academic Studies					
				(M50) Energy Management, Master Academic Studies					
22.	M3517	Construction in energy and process	engineering	(M30) Energy and Process Engineering, Master Academic Studies					
<i>LL</i> .			engineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies					
23.	DM307	Selected Chapters in Mass Transfer		(M00) Mechanical Engineering, Doctoral Academic Studies					
24.	DM313	Process Kinetics		(M00) Mechanical Engineering, Doctoral Academic Studies					
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.	Đaković I Food Sci	D.: Comments on 'Water sorption iso ence and Technology, 2012, Vol. 47,	therms and thermody No. 2, pp. 441-441, IS	namic properties of pearl millet grain', International Journal of SN: 0950-5423.					
2.		ric, M. D., Jankovic M.R., Djakovic D.I with Trays, Thermal Science, 2010, Vo		D Entropy Production Minimization in Diabatic Distillation 328, ISSN: 0354-9836.					
3.	Particle [ncy at the Electrostation	Study on the Effect of Fractional Composition and Ash c Precipitator, Chemical Industry & Chemical Engineering					
4.		rić A., Cvjetković T., Đaković D., Stoja kin Façades, Thermal Science, 2012,		t of Simple Calculation Model for Energy Performance of pp. 251-267, ISSN 0354-9836.					
5.		A., Bjelaković R., Anđelković A., Đako ource, Thermal Science, 2012, Vol. 1		eating Load of Object by Using ground heat as a Renewable 5-235, ISSN 0354-9836					
6.	Conferen			ng theory – principles and obstacles", PSU-UNS International Thailand: Prince of Songkla University, Faculty of					
7.		a, ISBN 86-80587-70-2, s. 62, CD ISI		nja zrnastih materijala u nepokretnom tankom sloju", Zbornik -6, 13. Simpozijum termičara Srbije, Sokobanja, Srbija, 16.10					
8.		D, Spasojević M, Štrbac D, Dimić M. " 3-235, 2008	Primena eksergijske a	analize na proces sušenja kukuruza u tankom sloju", PTEP,					
9.	Daković D, Dimić M, Spasojević M, Štrbac D, "Possibility of exergy analysis application on drying process", 4th International Conference on Engineering Technologies, ICET 2009, 28-30th April, 2009, ISBN: 978-86-7892-161-2, pp. 376-380, Novi Sad, Serbia								
10.	10. Daković D, Dimić M. "Pregled pristupa modelovanju fenomena prenosa u sušarama sa kombinovanim tokovima", PTEP , 13(3), 283-287, 2009								
Sur	nmary data	for teacher's scientific or art and prof	essional activity:						
	ation total :		0						
	,	CI) list papers :	5						
Curre	ent projects	:	Domestic :	2 International : 1					



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 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Name and last name: Durk N. Stavko Academic title: Assistant Professor Name of the institution where the teacher works full time and starting date: Faculty of Technical Sciences - Novi Sad Scientific or at field: Environment Protection Engineering Academic title election: 2012 Faculty of Technical Sciences - Novi Sad Academic title election: 2012 Faculty of Technical Sciences - Novi Sad Environment Protection Engineering Academic title election: 2013 Faculty of Mechanica Engineering - Beograd Mechanical Engineering Backetor's thesis 1980 Faculty of Mathematics - Beograd Mathematics List of courses being held by the teacher in the accredited study programmes Ital documents in the accredited study programme anne, study type 1. M3303 Fundamentals of Process Engineering (M30) Energy and Process Engineering, Undergraduate Academic Studies 3. Z304 Propagation of Disturbances [202) Cauces Engineering [202) Cauces Engineering 6. Z306A Process Engineering [202) Clause Energy Technologies. Undergraduate Academic Studies 7. Z311 Process Engineering [202) Environmental Engineering, Undergradua									
Name of the institution where the teacher works full time and Starting date: Faculty of Technical Sciences - Novi Sad Control or at field: D 10.12.007 Academic title election: 2012 Faculty of Technical Sciences - Novi Sad Environment Protection Engineering Academic title election: 2012 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Magister Thesis 1998 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelors threads: 1998 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Ib Course name Study programme name, study type Eachelors threads Mathematics 10 Course name Study programme name, study type Eachelors threads Kademic Studies 2. M3406 Heat Apparatus Cademic Studies C200 (Clean Energy Technologies, Undergraduate Academic Studies 3. 2304 Propagation of disturbances (Z10) (Clean Energy Technologies, Undergraduate Academic Studies 5. Z306A Process Engineering (Z20) (Clean Energy Technologies, Undergraduate Academic Studies 6. Z306A Process Systems and Equipment			ame:			Đưrić N. Slavko			
starting date: 01.01 2007 Scientific or field: Environment Protection Engineering Academic carleer Year Institution Field Magister thesis 1998 Faculty of Machanical Engineering - Beograd Mechanical Engineering Magister thesis 1998 Faculty of Machanical Engineering - Beograd Mathematics List of courses being held by the teacher in the accredited study programmes Study programme name, study type 1 M3303 Fundamentals of Process Engineering (M30) Energy and Process Engineering, Undergraduate Academic Studies 3 Z304 Propagation of Disturbances (Z20) Clean Energy Technologies, Undergraduate Academic Studies 5 Z306A Process Engineering (Z01) Clean Energy Technologies, Undergraduate Academic Studies 6 Z306A Process Engineering (Z01) Clean Energy Technologies, Undergraduate Academic Studies 7 Z311 Process Engineering (Z0									
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Academic carieer Year Institution Field Academic title dection: 2012 Faculty of Technical Sciences - Novi Sad Environment Protection Engineering Magister thesis 1998 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1998 Faculty of Machanical Engineering - Beograd Mechanical Engineering List of courses being held by the teacher in the accredited study programmes Mathematics Mathematics 1 M3003 Fundamentals of Process Engineering (M30) Energy and Process Engineering, Undergraduate Academic Studies 2 M3406 Heat Apparatus (M30) Energy and Process Engineering, Undergraduate Academic Studies 3 Z304 Propagation of Disturbances (Z20) Environmental Engineering, Undergraduate Academic Studies 5 Z306A Process Engineering (Z20) Clean Energy Technologies, Undergraduate Academic Studies 6 Z306A Process Engineering (Z20) Clean Energy Technologies, Undergraduate Academic Studies 7 Z311 Process Systems and Equipment (Z20) Environmental Engineering, Undergraduate Academic Studies 8 Z412A Process apaparatus for trote		-	ield [.]				Protection F	Ingineering	
Academic title election: 2012 Faculty of Mechanical Engineering - Beograd Environment Protection Engineering PhD thesis 2003 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Mechanical Engineering Bachelor's thesis 1980 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1980 Faculty of Mathematics - Beograd Mathematics IL Courses and Study programme name, study type Mathematics 1 M3300 Fundamentals of Process Engineering (M30) Energy and Process Engineering, Undergraduate Academic Studies 2 M3406 Heat Apparatus (M30) Energy and Process Engineering, Undergraduate Academic Studies 3 Z304 Propagation of disturbances (Z20) Environmental Engineering, Undergraduate Academic Studies 6 Z306A Process Engineering (Z20) Environmental Engineering, Undergraduate Academic Studies 7 Z311 Process Systems and Equipment (Z20) Environmental Engineering, Undergraduate Academic Studies 8 Z412A Process apparatus for protecting the environment (Z20) Environmental Engineering, Undergraduate Academic Studies <t< td=""><td></td><td></td><td></td><td>Year</td><td>Institution</td><td>Littlioinioin</td><td>I TOTOOLIOTI E</td><td></td></t<>				Year	Institution	Littlioinioin	I TOTOOLIOTI E		
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List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1. M3303 Fundamentals of Process Engineering (M30) Energy and Process Engineering, Undergraduate Academic Studies 2. M3406 Heat Apparatus (M30) Energy and Process Engineering, Undergraduate Academic Studies 3. Z304 Propagation of Disturbances (Z0) Environmental Engineering, Undergraduate Academic Studies 4. Z304A Propagation of disturbances (Z00) Cale Energy Technologies, Undergraduate Academic Studies 5. Z306 Process Engineering (Z01) Safety at Work, Undergraduate Academic Studies 6. Z306A Process Engineering (Z00) Cale Energy Technologies, Undergraduate Academic Studies 7. Z311 Process Systems and Equipment (Z20) Environmental Engineering, Undergraduate Academic Studies 8. Z412A Process apparatus for protecting the environment (Z20) Environmental Engineering, Undergraduate Academic Studies 10. ZF404Q Occupational Safety Systems, Means and Equipment (Z20) Environmental Engineering, Undergraduate Academic Studies 11. Z101 Urdot i principi zaštito okoline(uneti					,	0 0	Jograd		
ID Course name Study programme name, study type 1. M3303 Fundamentals of Process Engineering (M30) Energy and Process Engineering, Undergraduate Academic Studies 2. M3406 Heat Apparatus (M30) Energy and Process Engineering, Undergraduate Academic Studies 3. Z304 Propagation of Disturbances (IZ0) Clean Energy Technologies, Undergraduate Academic Studies 4. Z304A Propagation of disturbances (IZ0) Environmental Engineering, Undergraduate Academic Studies 5. Z306 Process Engineering (IZ0) Studies at C20) Environmental Engineering, Undergraduate Academic Studies 6. Z306A Process Engineering (IZ0) Clean Energy Technologies, Undergraduate Academic Studies 7. Z311 Process Systems and Equipment (IZ0) Clean Energy Technologies, Undergraduate Academic Studies 8. Z412A Process apparatus for protecting the environment studies (IZ0) Environmental Engineering, Undergraduate Academic Studies 10. ZR404 Occupational Safety Systems, Means and Equipment (IZ0) Environmental Engineering, Undergraduate Academic Studies 11. Z101 Process in aparatus for Water Treatment studies (IZ0) Environmental Engineering, Undergraduate Aca			-		•		26	Matternatios	
M3303 Fundamentals of Process Engineering M300 Energy and Process Engineering, Undergraduate Academic Studies 2 M3406 Heat Apparatus (M30) Energy and Process Engineering, Undergraduate Academic Studies 3 Z304 Propagation of Disturbances (Z20) Environmental Engineering, Undergraduate Academic Studies 4 Z304A Propagation of disturbances (Z20) Environmental Engineering, Undergraduate Academic Studies 5 Z306 Process Engineering (Z20) Environmental Engineering, Undergraduate Academic Studies 6. Z306A Process Engineering (Z00) Clean Energy Technologies, Undergraduate Academic Studies 7. Z311 Process Systems and Equipment (Z00) Clean Energy Technologies, Undergraduate Academic Studies 8. Z412A Process apparatus for protecting the environment studies (Z20) Environmental Engineering, Undergraduate Academic Studies 10. ZR404 Occupational Safety Systems, Means and Equipment (Z20) Environmental Engineering, Undergraduate Academic Studies 11. Z101 Uvod 1 principi zaštite okruženja(unet inaziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 12. Z4014 Procesni aparati za zaštitu okoline(uneti naziv na en			cing no			ady programme			
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4. Z3044 Propagation or disturbances Academic Studies 5. Z306 Process Engineering (Z20) Environmental Engineering, Undergraduate Academic Studies 6. Z306A Process Engineering (Z01) Safety at Work, Undergraduate Academic Studies 7. Z311 Process Systems and Equipment (ZC0) Clean Energy Technologies, Undergraduate Academic Studies 8. Z412A Process apparatus for protecting the environment (Z20) Environmental Engineering, Undergraduate Academic Studies 9. Z417 Methods and Systems for Water Treatment (Z20) Environmental Engineering, Undergraduate Academic Studies 10. ZR404 Occupational Safety Systems, Means and Equipment (Z20) Environmental Engineering, Undergraduate Academic Studies 11. Z101 engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 12. Z404 Occupational Safety Systems, Means and Equipment (Z20) Environmental Engineering, Undergraduate Academic Studies 13. Z412 Procesni aparati za zaštito okoline(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 14. Z401 Projektovanje i planiranje u zaštiti životne sredine(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies<	3.	Z304	Propa	gation of Di	sturbances		1 × 7	ronmental Engineering, Undergraduate Academic	
5. Z306 Process Engineering Studies Control 6. Z306A Process Engineering (201) Safety at Work, Undergraduate Academic Studies 7. Z311 Process Systems and Equipment (200) Clean Energy Technologies, Undergraduate Academic Studies 8. Z412A Process apparatus for protecting the environment (Z20) Environmental Engineering, Undergraduate Academic Studies 9. Z417 Methods and Systems for Water Treatment (Z20) Environmental Engineering, Undergraduate Academic Studies 10. ZR404 Occupational Safety Systems, Means and Equipment (Z01) Safety at Work, Undergraduate Academic Studies 11. Z101 Uvod i principi zaštite okruženja(uneti naziv na engleskom) (Z00) Environmental Engineering, Undergraduate Academic Studies 12. Z404 Procesni aparati za zaštitu okoline(uneti naziv na engleskom) (Z00) Environmental Engineering, Undergraduate Academic Studies 13. Z412 Prostupci i postrojenja za tretman voda(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 15. ZRH41 Security and Safety at Work in Process Plants (Z01) Safety at Work, Undergraduate Academic Studies 16. Z501 Projektovanje sistema zaštite(uneti naziv na engleskom) (Z20) Envi	4.	Z304A	Propa	gation of dis	sturbances			o , o , o	
6. Z306A Process Engineering (ZC0) Clean Energy Technologies, Undergraduate Academic Studies 7. Z311 Process Systems and Equipment (ZC0) Clean Energy Technologies, Undergraduate Academic Studies 8. Z412A Process apparatus for protecting the environment (Z20) Environmental Engineering, Undergraduate Academic Studies 9. Z417 Methods and Systems for Water Treatment (Z20) Environmental Engineering, Undergraduate Academic Studies 10. ZR404 Occupational Safety Systems, Means and Equipment (Z0) Environmental Engineering, Undergraduate Academic Studies 11. Z101 Uvod i principi zašitle okruženja(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 12. Z401A Projektovanje i planiranje u zašitit životne sredine(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 13. Z412 Procesni aparati za zašitu okoline(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 14. Z417 Postupci i postrojenja za tretman voda(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 15. ZR141A Security and Safety at Work in Process Plants (Z01) Safety at Work, Undergraduate Academic Studies 17. <td>5.</td> <td>Z306</td> <td>Proces</td> <td>ss Engineer</td> <td>ing</td> <td></td> <td></td> <td>ronmental Engineering, Undergraduate Academic</td>	5.	Z306	Proces	ss Engineer	ing			ronmental Engineering, Undergraduate Academic	
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11. Z101 Uvod i principi zaštite okruženja(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 12. Z401A Projektovanje i planiranje u zaštiti životne sredine(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 13. Z412 Procesni aparati za zaštitu okoline(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 14. Z417 Postupci i postrojenja za tretman voda(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 15. ZRI41A Security and Safety at Work in Process Plants (Z0) Environmental Engineering, Master Academic Studies 17. Z501 Projektovanje sistema zaštite(uneti naziv na engleskom) (Z20) Environmental Engineering, Master Academic Studies 18. M3506 Drying Technique (M30) Energy and Process Engineering, Master Academic Studies 19. M3508 Mass Transfer (M30) Energy and Process Engineering, Master Academic Studies 20. M3511 Diffusion apparatus (M30) Energy and Process Engineering, Master Academic Studies 21. S7SP17 Savremene instrumentalne metode analize zagađujućih (Z00) Environmental Engineering, Specialised Academic	9.	Z417		-			Studies		
11.2101engleskom)Studies12.Z401AProjektovanje i planiranje u zaštiti životne sredine(uneti naziv na engleskom)(Z20) Environmental Engineering, Undergraduate Academic Studies13.Z412Procesni aparati za zaštitu okoline(uneti naziv na engleskom)(Z20) Environmental Engineering, Undergraduate Academic Studies14.Z417Postupci i postrojenja za tretman voda(uneti naziv na engleskom)(Z20) Environmental Engineering, Undergraduate Academic Studies15.ZRI41ASecurity and Safety at Work in Process Plants(Z0) Environmental Engineering, Master Academic Studies16.Z50121BProtection System Design(Z20) Environmental Engineering, Master Academic Studies17.Z501Projektovanje sistema zaštite(uneti naziv na engleskom)(Z20) Environmental Engineering, Master Academic Studies18.M3506Drying Technique(M30) Energy and Process Engineering, Master Academic Studies19.M3508Mass Transfer(M30) Energy and Process Engineering, Master Academic Studies20.M3511Diffusion apparatus(M30) Energy and Process Engineering, Master Academic Studies21.SZSP17Savremene instrumentalne metode analize zagađujućih(Z00) Environmental Engineering, Specialised Academic	10.	ZR404							
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13. 2412 engleskom) Studies 14. Z417 Postupci i postrojenja za tretman voda(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 15. ZRI41A Security and Safety at Work in Process Plants (Z01) Safety at Work, Undergraduate Academic Studies 16. Z501 21BProtection System Design (Z20) Environmental Engineering, Master Academic Studies 17. Z501 Projektovanje sistema zaštite(uneti naziv na engleskom) (Z20) Environmental Engineering, Master Academic Studies 18. M3506 Drying Technique (M30) Energy and Process Engineering, Master Academic Studies 19. M3508 Mass Transfer (M30) Energy and Process Engineering, Master Academic Studies 20. M3511 Diffusion apparatus (M30) Energy and Process Engineering, Master Academic Studies 21. SZSP17 Savremene instrumentalne metode analize zagađujućih (Z00) Environmental Engineering, Specialised Academic	12.	Z401A				redine(uneti		ronmental Engineering, Undergraduate Academic	
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21 SZSP17 Savremene instrumentalne metode analize zagađujućih (Z00) Environmental Engineering, Specialised Academic	20.	M3511	Diffusi	on apparati	IS		(M30) Ene		
	21.	SZSP17				zagađujućih	(Z00) Env	ironmental Engineering, Specialised Academic	

FACULTY OF TECHN	ICAL	\$

SITAS STUD

UNIVERSITY OF NOVI SAD

SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

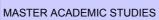


Study Programme Accreditation
MASTER ACADEMIC STUDIES Technical Mechanics a

1,950	SAINTE	MASTER ACADEMIC STODIES			cs and Technical Design		
List o	of courses b	eing held by the teacher in the accred	dited study programme	es			
	ID	Course name		Study program	ne name, study type		
22. ZD060 Selected topics in air pollution (Z00) Environmental Engineering, Docto Studies (Z01) Safety at Work Dectoral Academic				Academic			
(Z01) Safety at Work, Doctoral Academic Studie						studies	
23.	ZRD28A	Selected topics in the science of occ	cupational safety	(Z01) Safety at	Work, Doctoral Academic S	studies	
Re	oresentative	e refferences (minimum 5, not more th	an 10)				
1.	separatio	., Omerović, M., Brankov, S., Džafero n from mixture of gas in dry procedu No.1, pp. 115-124					
2.	on the as	Stanojević P., Đaković D., Jovović A. h collection Efficiency at the electrost .16, No.3, pp. 229-236					
3.		Stanojević P., Đuranović D., Brankov ants in Bosnia and Herzegovina, Ther				s of the thermal	
4.		ć, B., Stajić, T., Cepić, Z., Đurić, S., G ergy utilization, Renewable and Susta					
5.		avko N, Brankov Sasa D, Stanojevic F ERING-INTERNATIONAL ENGLISH I				HEMICAL	
6.	(Cvijan) E	Nikola) Đurić, Žarko (Mirko) Bojić, Dra 3ožičković, The analysis of the road tr AD PRIHVAĆEN ZA ŠTAMPU U ČA	affic accidents directly	caused by tractor	r drivers in the territory of th	e Repiblic of	
7.		, Đaković, D., (2009): The qualitative ing Technologies ICET, Novi Sad, 28 p. 73-79				Conference on	
8.	radionucl ECO-CO	Vojinović-Miloradov, M., Krmar, M., ides influence in soil on environment NFERENCE, 26th-29th September 20 3177-30-1, ISBN 86-83177-27-0 (za i 176	of municipality Petrov 007, Novi Sad, Enviror	o, Republika Srps	ka, Bosnia & Herzegovina,	XI international	
9.		, (2011): Redukcija emisije SO2 na er a, ekologija , 2011, List saveza energ				RGIJA,	
10.	Đurić, S., Đaković, D., Brankov, S., Omerović, M., Džaferović, E., (2010):						
Su	mmary data	for teacher's scientific or art and prof	essional activity:				
_	ation total :		3				
		CI) list papers :	6			1.	
Curr	ent projects	:	Domestic :	3	International :	11	



Study Programme Accreditation



Technical Mechanics and Technical Design

Nam	e and last n	ame.			Glavardanov	R Valentin		
	e and last n				Glavardanov B. Valentin Full Professor			
Name of the institution where the teacher works full time and				acher works full time and				
-	ng date:				17.05.1990			
Scier	ntific or art f	ield:			Deformable Body Mechanics			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	lection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics	
PhD	thesis		1997	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics	
Magi	ster thesis		1995	Faculty of Mathematics	- Beograd		Deformable Body Mechanics	
Bach	elor's thesis	S	1989	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics	
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es	•	
	ID	Course	e name			Study pro	ogramme name, study type	
1.	F107	Techn	ical Mechai	nics		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2.	H202	Streng	th of mater	ials		(H00) Med	chatronics, Undergraduate Academic Studies	
			_				chanization and Construction Engineering, luate Academic Studies	
3.	M204	Streng	th of Mator	iale		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
э.	wi∠04	Strength of Materials					chnical Mechanics and Technical Design, luate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
							chnical Mechanics and Technical Design,	
4.	M2412	Theory	/ of Elastici	ty		l o	luate Academic Studies duction Engineering, Undergraduate Academic	
5.	M4302	Biomechanics and mechanics of sport				(M40) Teo	chnical Mechanics and Technical Design, luate Academic Studies	
6.	M4304	Advan	ced strengt	h of materials		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
7.	M4306	Simila	rity and dim	ensional methods			chnical Mechanics and Technical Design, luate Academic Studies	
8.	M4401	Contin	uum mecha	anics			chnical Mechanics and Technical Design, uate Academic Studies	
9.	URZP14	Funda	mentals of	Mechanical Engineering			aster Risk Management and Fire Safety, uate Academic Studies	
10.	BMI128	Contin	uum Biome	echanics		Studies	medical Engineering, Undergraduate Academic	
11.	II1004	Mecha	inics and In	dustrial Engineering		Studies	strial Engineering, Undergraduate Academic	
12.	M44041	Dynan	nics of non-	smooth mechanical system	ms	Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
13.	M4504	Therm	al Elasticity	1		Académic		
14.	M45991	Biome	chanics of	cardiovascular system		Academic		
15.	DM402	Select	ed Chapter	s in Elasticity Theory		· /	chanical Engineering, Doctoral Academic Studies chnical Mechanics, Doctoral Academic Studies	
16.	DM404	Select	ed Chapter	s in Mechanics of Continu	um		chanical Engineering, Doctoral Academic Studies chanical Mechanics, Doctoral Academic Studies	
17.	DZ003	Select	ed Chapter	s in Mechanics			chanical Engineering, Doctoral Academic Studies	
18.	FDS143			s in Technical Mechanics			phic Engineering and Design, Doctoral Academic	
19.	ZRD16A	Select	ed chapters	s in mechanics and elastic	ity theory	(Z01) Safe	ety at Work, Doctoral Academic Studies	
Rer	presentative			num 5, not more than 10)	•	· · ·		
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SI	AS STUD		UNIVERSITY OF NO	VI SAD		UNUKNX Hay		
M	OR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
D. NE		Study F	Programme A	ccreditatio	on	CAL CAL		
94	LANTER	MASTER ACADEMIC STUDIES	Т	echnical Mechan	ics and Technical Design	HO		
Rep	presentative r	efferences (minimum 5, not more th	an 10)					
1.		., Glavardanov B.V.: Stability of a rio 15, No 2, pp 337-350,1996	gid sphere supported b	by a thin elastic c	olumn, European Journal c	f Mechanics A-		
2.	Atanackovi 130, 1996	c M.T., Glavardanov B.V.: Twisted a	axially loaded rod with	shear and compr	ressibility, Acta Mechanica,	vol.119, pp 119-		
3.	V. B. Glava (2000).	rdanov and T. M. Atanackovic, Stat	pility of a pipe through	which a sring is p	oulled. Int. J. Non-Linear M	echanics 35, 7–20		
4.	V. B. Glava 20, 795–80	rdanov and T. M. Atanackovic, Opti 9 (2001).	mal shape of a twisted	d compressed roo	d. European Journal of Mec	hanics A-Solids,		
5.	T. M. Atana 39, 2987-29	ackovic, V. B. Glavardanov, Buckling 999 (2002)	g of a twisted and com	pressed rod. Inte	rnational Journal of Solids	and Structures,		
6.		ć, V. B. Glavardanov, Stability of a I -Transaction of the ASME, 71, 896-8		lar Plate With Ela	istic Edge Support, Journal	of Applied		
7.	Valentin Gl	avardanov: Zbirka rešenih zadataka	a iz teorije elastičnosti,	FTN, Novi Sad, 2	2003.			
8.		cković, V.B. Glavardanov: "Optimal n, 28, 388-396, (2004)	shape of a heavy com	pressed column"	, Structural and Multidiscip	linary		
9.		R. Maretic, V. Glavardanov and V. Mitic, Vibration and Stability of a Heavy and Heated Vertical Circular Plate, International Journal of Structural Stability and Dynamics, vol 10, No 5,1111-1121, 2010						
10.	10. Glavaradnov V, Maretic R, Stability of a twisted and compressed clamped rod, Acta Mechanica, 202, 17-33, 2009							
Sur	mmary data fo	or teacher's scientific or art and profe	essional activity:					
Quot	ation total :		2					
Tota	of SCI(SSCI) list papers :	14					
Curre	ent projects :		Domestic :	1	International :	0		



Study Programme Accreditation



MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

	e and last n	ame:				Grahovac M. Nenad			
	emic title:					sistant Professor			
				acher works full time and	Faculty of Technical Sciences - Novi Sad 29.12.2004				
	ntific or art f	ield [.]			29.12.2004 Mechanics				
	emic carie		Year	Institution	moonamoo		Field		
	emic title el		2012	Faculty of Technical Sci	ences - Novi Si	he	Mechanics		
	thesis	000011	2011	Faculty of Technical Sci			Mechanics		
	ster thesis		2005	Faculty of Technical Sci			Continuum Mechanics		
	elor's thesis		2002	Faculty of Technical Sci			Deformable Body Mechanics		
				acher in the accredited stu					
		ogo			aay programme				
	ID	Course	e name			Study pro	gramme name, study type		
							nitecture, Undergraduate Academic Studies		
1.	A207	Mecha	inics			(F10) Eng Studies	ineering Animation, Undergraduate Academic		
							ver, Electronic and Telecommunication		
2.	E104	Mecha	inics			-	g, Undergraduate Academic Studies		
							asurement and Control Engineering, uate Academic Studies		
3.	GG07	Mecha	inics 1			, ,	I Engineering, Undergraduate Academic Studies		
	114.40		·			` '	chatronics, Undergraduate Academic Studies		
4.	H112	Mecha	INICS 1 – FU	ndamentals		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies			
5.	H201	Mecha	inics 2 - Ge	neral		(H00) Mec	chatronics, Undergraduate Academic Studies		
6.	H303	Mecha	tronics 3 –	Further Chapters		(H00) Mec	chatronics, Undergraduate Academic Studies		
							chanization and Construction Engineering, uate Academic Studies		
_	14004					(M30) Energy and Process Engineering, Undergraduate Academic Studies			
7.	M204	Streng	ngth of Materials			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
						(P00) Production Engineering, Undergraduate Academic Studies			
8.	M4401	Contin	uum mecha	anics		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
		Die				(BM0) Biomedical Engineering, Undergraduate Academic Studies			
9.	BMI127	ыоте	chanics				er, Electronic and Telecommunication g, Undergraduate Academic Studies		
10.	II1004	Mecha	nics and In	dustrial Engineering		(110) Indus Studies	strial Engineering, Undergraduate Academic		
11.	M44041	Dynam	nics of non-	smooth mechanical system	ms		chnical Mechanics and Technical Design, uate Academic Studies		
12.	M44061	Optimi	zation of m	echanical systems			chnical Mechanics and Technical Design, uate Academic Studies		
13.	BMIM4A	Transp	ort phenom	nena and Living systems		(BM0) Bio	medical Engineering, Master Academic Studies		
14.	M45991	Biome	chanics of o	cardiovascular system		(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies		
15.	SZD051		ations of op nment prote	timal control theory in livir	ng	(Z00) Envi Studies	ironmental Engineering, Specialised Academic		
16.	DM801		dical mecha			(M40) Tec	hnical Mechanics, Doctoral Academic Studies		
						(H00) Mec	chatronics, Doctoral Academic Studies		
		Thee	oficerst			(M00) Med	chanical Engineering, Doctoral Academic Studies		
17.	DTM02	ineory	/ of impact			(M40) Technical Mechanics, Doctoral Academic Studies			
						(S00) Traffic Engineering, Doctoral Academic Studies			

UNIVERSITY OF NOVI SAD



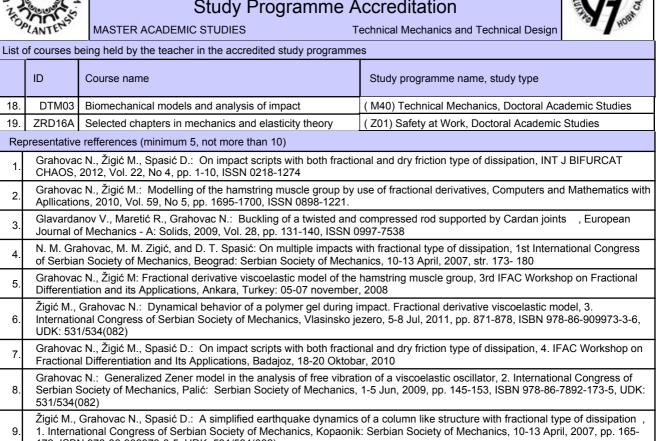
ID

DTM03

18.

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

Study Programme Accreditation



19.	ZRD16A	Selected chapters in mechanics and	elasticity theory	(Z01) Safety at	Work, Doctoral Academic St	udies			
Re	Representative refferences (minimum 5, not more than 10)								
1.		c N., Žigić M., Spasić D.: On impact s 2012, Vol. 22, No 4, pp. 1-10, ISSN 0		nal and dry frictio	n type of dissipation, INT J E	SIFURCAT			
2.		c N., Žigić M.: Modelling of the hamst ns, 2010, Vol. 59, No 5, pp. 1695-170		use of fractional d	erivatives, Computers and M	1athematics w			
3.		nov V., Maretić R., Grahovac N.: Bud f Mechanics - A: Solids, 2009, Vol. 28			supported by Cardan joints	, European			
4.		ahovac, M. M. Zigić, and D. T. Spasić n Society of Mechanics, Beograd: Se				onal Congress			
5.		c N., Žigić M: Fractional derivative vis ation and its Applications, Ankara, Tu			e group, 3rd IFAC Workshop	on Fractional			
6.	Internatio	Grahovac N.: Dynamical behavior of onal Congress of Serbian Society of M 1/534(082)							
7.		c N., Žigić M., Spasić D.: On impact s al Differentiation and Its Applications, I			n type of dissipation, 4. IFAC	Workshop o			
8.		c N.: Generalized Zener model in the Society of Mechanics, Palić: Serbian 082)							
9.	1. Interna	Grahovac N., Spasić D.: A simplified ational Congress of Serbian Society or N 978-86-909973-0-5, UDK: 531/534(f Mechanics, Kopaonik						
10.	 Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov's Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3 								
Su	Summary data for teacher's scientific or art and professional activity:								
Quot	ation total :		5						
Tota	of SCI(SS	CI) list papers :	3						
Current projects : Domestic : 1 International : 0						0			





Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Name and last name:					Hadžistević J. Miodrag			
	emic title:				Associate Professor			
		itution v	vhere the te	eacher works full time and				
	ng date:				01.02.1993			
Scier	ntific or art f	ield:			Metrology, Quality, Fixtures and Ecological-Engineering Aspects			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2010	Faculty of Technical Sci	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
PhD	thesis		2004	Faculty of Technical Sci	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
Magi	ster thesis		1999	Faculty of Technical Sci	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
Bach	elor's thesis	S	1992	Faculty of Technical Science	ences - Novi S	ad	Cutting Processing Tools and Tribology	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	P1401	Fixture	e Design an	d Measuring Machines		(P00) Pro Studies	duction Engineering, Undergraduate Academic	
						(P00) Pro Studies	duction Engineering, Undergraduate Academic	
2.	P1508	Revers	se Enginee	ring and CAQ			tware Engineering and Information Technologies, luate Academic Studies	
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
3.	P209	Measu	irements ar	nd Quality		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
0.	1 200	WC030				(P00) Production Engineering, Undergraduate Academic Studies		
4.	P306	Fixtures				(P00)Pro Studies	duction Engineering, Undergraduate Academic	
5.	URZP15	Work s	safety durin	g interventions		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
6.	Z207	Mecha	inical Engin	neering in Environmental E	Ingineering	(Z20) Environmental Engineering, Undergraduate Academic Studies		
7.	Z207A	Mecha	inical Engin	eering in Environmental E	Ingineering	(Z01) Safety at Work, Undergraduate Academic Studies		
8.	Z301	Polluti	on Measure	ement and Control		(Z01) Safety at Work, Undergraduate Academic Studies(Z20) Environmental Engineering, Undergraduate Academic		
						Studies		
9.	Z416		Systems			(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
10.	ZR101			Principles of Occupational	-	· /	ety at Work, Undergraduate Academic Studies	
11.	ZR404			ety Systems, Means and E			ety at Work, Undergraduate Academic Studies	
12.	Z207		stvo u inžer na englesko	njerstvu zaštite životne sre om)	dine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
13.	Z416	EMS s	istemi(unet	ti naziv na engleskom)		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
14.	IM1714		uction and p and safety	principles of occupational o	occupational	(I20) Engir Studies	neering Management, Undergraduate Academic	
15.	ZC036	Measu	irement and	d control of pollution		(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
16.	P1409	Materi	al Control S	Systems and CAI		(PM0) Pro	duction Engineering, Master Academic Studies	
17.	P1501	Ecolog	jical Techno	ologies and Systems		(M40) Teo Academic	chnical Mechanics and Technical Design, Master Studies	
						(PM0) Production Engineering, Master Academic Studies		
18.	Z416A	Enviro	nment Prot	ection System Manageme	ent	(PM0) Production Engineering, Master Academic Studies		
19.	Z452		n and maint nmental en	enance of quality control i gineering	n	(M40) Teo Academic	chnical Mechanics and Technical Design, Master Studies	

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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

List of courses bein		

List o	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study programme name, study type					
20.	PLIS1	Logistics and Simulation in Technolo Processing	ogies of Plastics	(PM0) Production Engineering, Master Academic Studies					
21.	PP103	Measurement and tools in precision	engineering	(PM0) Production Engineering, Master Academic Studies					
22.	SDOM3 0	Probability, Statistics and Theory of Experiment	Engineering	(Z00) Environmental Engineering, Specialised Academic Studies					
23.	SM3	Software support for reverse engine	ering and CAQ	(PM0) Production Engineering, Master Academic Studies					
24.	SZSP18	Contemporary scientific approaches assessment of products (LCA)	in life cycle	(Z00) Environmental Engineering, Specialised Academic Studies					
25.	ZCM09	Occupational Health and Safety		(ZC0) Clean Energy Technologies, Master Academic Studies					
26.	ZR406A	System Regulations and EU Practice Health and Safety	e in Occupational	(Z01) Safety at Work, Master Academic Studies					
27.	DOM30	Probability, Statistics and Theory of Experiment	Engineering	 (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies 					
28.	DP001	Design and Research Methods in Pr	oduction	(M00) Mechanical Engineering, Doctoral Academic Studies					
29.	DP006	Engineering State and development trends of me fixtures	trology, quality and	(M00) Mechanical Engineering, Doctoral Academic Studies					
30.	DP013	Ecological Engineering Aspects		(M00) Mechanical Engineering, Doctoral Academic Studies					
31.	DP019	Selected topics in technical diagnosi	s	(M00) Mechanical Engineering, Doctoral Academic Studies					
32.	ZSP18	Modern Scientific Approaches in Pro Assessment (LCA)	duct Life Cycle	(Z00) Environmental Engineering, Doctoral Academic Studies					
33.	ZRD211	Sustainable design and product safe		(Z01) Safety at Work, Doctoral Academic Studies					
34.	ZRD213	Current state and development tend management of work environment	encies of quality	(Z01) Safety at Work, Doctoral Academic Studies					
35.	ZRD235	Systemic regulation in the field of oc and health	cupational safety	(Z01) Safety at Work, Doctoral Academic Studies					
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.		.: Povećanje tačnosti merenja numeri vo, ISBN 86-7892-028-9, Novi Sad, 20		mašina, edicija tehničke nauke - monografija, FTN					
2.		., Cvetićanin, L., Hodolič, J., Stević, M Acta Mechanica Slovaca, 2/2002, Roč		a na určenie hladiny hluku v priemyselnych podnikoch, čošice, Slovačka, 2002.					
3.				vanje funkcije postojanosti jednozubog odvalnog glodala u mašinstvo, broj 9, Novi Sad, str. 135-144, 1992. god.					
4.				on Of Measuring Error On CMM, 11th International CIRP Life ent Issues", Proceedings, Beograd, pp. 217-222, 2004. god.					
5.				E Integrated Injection Mold Design System for Plastic ogy, 2012, Vol. 63, No 5-8, pp. 595-607, ISSN 0268-3768					
6.	Dimensio			čar V., Balić J., Ačko B.: Possibilities of Using Three- strojniski vestnik = Journal of Mechanical Engineering, 2011,					
7.	main cutt	1., Jurković Z., Hadžistević M., Gostim ing force in face milling, Metalurgija, 2 5:620.171.70/178:620.18 = 111		ce of mechanical properties of workpiece material on the b. 339-342, ISSN 0543-5846, UDK:					
8.				of Group Technology in Complex Cluster type Organizational 10, Vol. 56, No 10, pp. 663-675, ISSN 0039-2480					
9.	INFORM	ATION TECHNOLOGIES MANAGEM	ENT TOOLS - ESTIM	: ARE QUALITY MANAGEMENT SYSTEM AND ATES OF SERBIAN QUALITY MANAGERS, No 1, pp. 33-36, ISSN 2217-8155, UDK: 658.5					
10.		vić M., Morača S.: Networks and Qua ISSN 1800-6450	lity Improvement, Inte	rnational Journal for Quality Research, 2009, Vol. 3, No 4, pp.					
Sun	nmary data	for teacher's scientific or art and profe	essional activity:						
	ation total :		20						
	`	CI) list papers :	9 Demostie :						
Curre	ent projects	:	Domestic :	2 International : 2					





Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Name and last name:					Hodolič J. Janko			
	lemic title:				Full Professor			
		titution v	vhere the te	eacher works full time and				
	ng date:				06.12.1974			
Scier	ntific or art f	ield:			Metrology, Quality, Fixtures and Ecological-Engineering Aspects			
Academic carieer Year Institution							Field	
Acad	lemic title el	lection:	1997	Faculty of Technical Sci	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
PhD	thesis		1989	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
Magi	ster thesis		1979	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
Bach	elor's thesis	S	1974	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	IA018	3D Dig	italization I	Vethods		(F10)Eng Studies	ineering Animation, Undergraduate Academic	
2.	P1401	Fixture	e Design an	d Measuring Machines		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
3.	P1508	Revers	Reverse Engineering and CAQ				tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
4.	P209	Measu	irements ar	nd Quality		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
٦.	1 200	Medoe					duction Engineering, Undergraduate Academic	
5.	P2617	Planni	ng Methods	s and Experiment Process	ing	(P00)Proo Studies	duction Engineering, Undergraduate Academic	
6.	P306	Fixture	s			(P00) Production Engineering, Undergraduate Academic Studies		
7.	Z207	Mecha	inical Engin	neering in Environmental E	ingineering	(Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	Z207A	Mecha	inical Engin	eering in Environmental E	ingineering	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
9.	Z301	Polluti	on Measure	ement and Control			ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic	
10.	Z416	EMS S	Systems				ronmental Engineering, Undergraduate Academic	
11.	ZR320	Workp	lace	alysys of Safety and Health		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
12.	ZRI441	Materia protec		systems for environmenta	I and labor	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
13.	Z207	Mašins		njerstvu zaštite životne sre om)	dine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
14.	Z416	EMS s	istemi(unet	ti naziv na engleskom)		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
15.	ZC036	Measu	irement and	d control of pollution		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
16.	P1409	Materi	al Control S	Systems and CAI		(PM0)Pro	duction Engineering, Master Academic Studies	
17.	P1501	Ecolog	jical Techno	ologies and Systems		Academic		
						, ,	duction Engineering, Master Academic Studies	
18.	P3501		esigning fo			(PM0) Production Engineering, Master Academic Studies		
19.	Z416A				nt	(PM0) Production Engineering, Master Academic Studies		
20.	PIP16	1 I I I I I I I I I I I I I I I I I I I			Plastics	(PM0) Production Engineering, Master Academic Studies		
21.	PLIS1	Logistics and Simulation in Technologies of Processing			1 103005	(PM0) Pro	duction Engineering, Master Academic Studies	

UNIVERSITY OF NOVI SAD



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

	ID	Course name		Study program	me name, study type			
	SDOM2	Drobobility Statistics and Theory of	Engineering			and Anodomic		
22.	SDOM3 0	Probability, Statistics and Theory of Experiment	Engineering	Studies	ental Engineering, Speciali			
23.	SZDH1	Modern Methods of Eco-design		(Z00) Environmental Engineering, Specialised Academic Studies				
24.	SZSP18	Contemporary scientific approaches assessment of products (LCA)	s in life cycle	(Z00) Environme Studies	ental Engineering, Speciali	sed Academic		
25.	DM411	Contemporary Approach to Integrat Engineering of Rapid Prototyping, 1 Virtual Manufacturing		(M00) Mechanic	al Engineering, Doctoral A	cademic Studies		
				· · ·	al Engineering, Doctoral A Mechanics, Doctoral Acad			
26.	DOM30	Probability, Statistics and Theory of Experiment	Engineering	(Z00) Environme Studies	ental Engineering, Doctora	I Academic		
				(Z01) Safety at	Work, Doctoral Academic S	Studies		
27.	DP001	Design and Research Methods in P Engineering		(M00) Mechanic	al Engineering, Doctoral A	cademic Studies		
28.	DP006	State and development trends of m fixtures	etrology, quality and	(M00) Mechanic	al Engineering, Doctoral A	cademic Studies		
29.	DP013	Ecological Engineering Aspects		(M00) Mechanic	al Engineering, Doctoral A	cademic Studies		
30.	ZDH1	Modern Methods of Eco-design		(Z00) Environmental Engineering, Doctoral Acaden Studies		I Academic		
31.	ZSP18	Modern Scientific Approaches in Pr Assessment (LCA)	oduct Life Cycle	(Z00) Environme Studies	ental Engineering, Doctora	I Academic		
Re	oresentative	e refferences (minimum 5, not more t	han 10)					
1.		Vukelić Đ., Bračun D., Hodolič J., Sc Sensors, 2012, Vol. 12, No 1, pp. 11			from Contact and Optical 3	D Digitization		
2.		Van Gestel N., Kruth J., Bleys P., Ho otics and Lasers in Engineering, 2011				easurements on		
3.		Hadžistević M., Hodolič J., Vukelić Đ., , International Journal of Advanced M						
4.		ić Ž., Petrović P., Hodolič J.: Contact nal Journal of Advanced Manufactur						
5.		⁷ ., Stamenković M., Maleš M., Vukelić vironment, Carpathian Journal of Ear						
6.		., Zuperl U., Hodolič J.: Complex sys uring Technology, 2009, Vol. 45, No			nd design, International Jou	urnal of Advance		
7.		Hodolič J., Soković M.: Developmen f Materials Processing Technology, 2				Engineering,		
8.	Agarski E Assignme	3., Budak I., Kosec B., Hodolič J.: An ent, Environmental Modeling & Asses	Approach to Multi-crite ssment, 2012, Vol. 17,	eria Environmental No 3, pp. 255-266	Evaluation with Multiple W 5, ISSN 1420-2026.	/eight		
9.	Trifković	B., Budak I., Todorović A., Hodolič J. Measurement of Ceramic Crowns, M	, Puškar T., Jevremov	ić D., Vukelić Đ.: A	pplication of Replica Tech			
10.		 Kljajin M., Budak I., Tadić B., Vuke hicles' environmental performances, 						
Su	mmary data	for teacher's scientific or art and pro	fessional activity:					
	tation total :		42					
Total of SCI(SSCI) list papers : 22								
Current projects : Domestic : 3 International : 6								



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Name and last name:					Kakaš I. Damir			
-	emic title:				Full Professor			
Name	e of the inst	itution v	vhere the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
	ng date:				01.09.1971			
Scier	ntific or art f	ield:			Surface Engineering, Micro and Nano Technologies			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	1994	Faculty of Technical Sci	ences - Novi Sa	ad	Surface Engineering, Micro and Nano Technologies	
PhD	thesis		1982	Faculty of Technical Scie	ences - Novi Sa	ad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano	
Magi	ster thesis		1976	Faculty of Technical Scie	ences - Novi Sa	ad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano	
Bach	elor's thesis	S	1971	Faculty of Technical Science	ences - Novi Sa	ad	Mechanical Engineering	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	P105	Heat F	Processing			(P00) Prod Studies	duction Engineering, Undergraduate Academic	
2.	P110	Castin	g Technolo	ду		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
3.	P210	Surfac	e Engineer	ing		(P00) Prod Studies	duction Engineering, Undergraduate Academic	
4.	P211	Devices and Plasma Procedures in Mechai Engineering			nical	(P00) Prod Studies	duction Engineering, Undergraduate Academic	
5.	P2402				gies	(P00) Production Engineering, Undergraduate Academic Studies		
6.	P2403	Conter	mporary Ca	sting Technologies		(P00) Production Engineering, Undergraduate Academic Studies		
7.	P3405	Thermal Processing of Contemporary Tool			3	(P00) Proo Studies	duction Engineering, Undergraduate Academic	
8.	M2061	Basics	of Manufa	cturing Technologies 1		(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
0.		Baciloo				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
9.	P2503	Proces	ss Design ir	n Casting Technology		(PM0) Production Engineering, Master Academic Studies		
10.	P2507	Nanote	echnologies	3		(M40) Technical Mechanics and Technical Design, Master Academic Studies		
						(PM0) Production Engineering, Master Academic Studies		
11.	PP2I11		0	eering in Medicine and Bi	<u> </u>	ing (PM0) Production Engineering, Master Academic Studies		
12.	SMI002		ing and sim urgical proc	ulation of thermo chemica	al and	(PM0)Pro	duction Engineering, Master Academic Studies	
13.	DP001	Desigr Engine	n and Resea	arch Methods in Productio		、 <i>,</i>	chanical Engineering, Doctoral Academic Studies	
14.	DP004	Advan	ced Techno	ologies in Casting and Hea	at Treatment	(M00) Me	chanical Engineering, Doctoral Academic Studies	
15.	DP007	Proced	dures of Pla	asma Depozition		(M00) Mee	chanical Engineering, Doctoral Academic Studies	
16.	DP011	Nanote	echnologies	s and Nanomaterials Form	ning	(M00) Me	chanical Engineering, Doctoral Academic Studies	
17.	DP014	Nano a	and Micro L	ayers Characterization		(M00) Mee	chanical Engineering, Doctoral Academic Studies	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.							heat transfer coefficient during solidification of No 9, pp. 1856-1861, ISSN 0924-0136.	
2.				M.: Tribological behavior 55, ISSN 0040-6090	of duplex coati	ng improved	I by ion implantation ,Thin Solid Films,, 2004,	
3.				T.: Influence of plasma ni Thin Solid Films,, 1998, Vo			Tribological Properties Of Steel with subsequent 9, ISSN 0040-6090	
4.				zibrada LJ., Kunosić A., M blogy, 1994, Vol. 64, No 3,		nce of plas	ma nitriding on wear performance of TiN coating ,	
5.				., Rakita M.: Microstructur 40-44, ISSN 0039-6028	ral studies of Ti	N coatings	prepared by PVD and IBAD , Surface Science,	

4	AS STUD		UNIVERSITY OF N	OVI SAD		WYKHX H			
OR		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
2,2		Study F	tation	CAL					
.0t	LANTEN	MASTER ACADEMIC STUDIES		Technical Me	chanics and Technical Design	ADD HOD			
Representative refferences (minimum 5, not more than 10)									
6.	6. Škorić B., Kakaš D., Rakita M., Bibić N., Peruškob D.: Structure, hardness and adhesion of TiN coatings deposited by PVD and IBAD on nitrided steels, Vacuun, 2004, Vol. 76, No 2-3, pp. 169-172, ISSN 0042-207X								
7.	Kakaš D., Terek P., Kovačević L., Miletić A., Škorić B.: Influence of interfacial layer thickness and substrate roughness on adhesion of TiN coatings deposited at low temperatures by IBAD, SURF REV LETT, 2011, Vol. 18, No 3-4, pp. 83-90, ISSN 0218- 625X.								
8.		čakaš D., Ješić D., Gostimirović M., n, Metalurgija, 2012, Vol. 51, No 1,			plex hard coatings with additiona	al ion			
9.		čakaš D., Miletić A., Arsenović M., (on Implantation, Oxidation Commu				oatings with			
10.	Čkorić B. Kakač D. Gostimirović M. Miletić A. Nanoscale modification of hard coatings with ion implantation. Materijali in								
Sur	nmary data fo	r teacher's scientific or art and prof	essional activity:						
Quot	ation total :		31						
Total	of SCI(SSCI)	list papers :	12						
Curre	ent projects :		Domestic :	2	International :	1			



AND THE REAL PROPERTY OF

Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

	,			•					
Name and last name:					Klinar J. Ivan				
	lemic title:				Full Professo				
	e of the insing date:	titution v	vhere the te	eacher works full time and		Faculty of Technical Sciences - Novi Sad 01.02.1972			
	ntific or art f	ield:			01.02.1972 Internal Combustion Engines				
	lemic carie		Year	Institution	Internal Com		Field		
	lemic title e	-	1999	Faculty of Technical Sc	ionoon Novi S	ad			
	thesis	lection.	1999	Faculty of Technical Sc			Internal Combustion Engines Internal Combustion Engines		
	ster thesis		1988	Faculty of Agriculture -		au	Motor Vehicles		
	elor's thesis	e	1970	Faculty of Technical Sc		ad	Internal Combustion Engines		
			-	acher in the accredited st					
LISU									
	ID	Course	e name			Study pro	gramme name, study type		
1.	M213	Machi	ne Usage			Undergrad	chanization and Construction Engineering, uate Academic Studies		
2.	M2418	Mecha	itronics of N	Notors and Road Vehicles	8	Undergrad	chanization and Construction Engineering, luate Academic Studies		
3.	M2523	IC Eng	jine Equipn	nent		(S00) Trat Academic	ffic and Transport Engineering, Undergraduate Studies		
4.	S0I241	Interna	al Combust	on Engines		(S00) Trat Academic	ffic and Transport Engineering, Undergraduate Studies		
5.	H2403	Equipr	ment and IC	Engines Mechatronics		(H00) Med	chatronics, Master Academic Studies		
6.	M2403	IC Eng	gines			(M40) Teo Academic	chnical Mechanics and Technical Design, Master Studies		
7.	M2547	Equipment of IC engines and motor vehicle			es	(M22) Mechanization and Construction Engineering, Ma Academic Studies			
8.	M2548	Diagno	ostics and r	naintenance of IC engine	s and vehicles	(M22) Me Academic	chanization and Construction Engineering, Master Studies		
9.	LIM14	Monito	oring and D	agnostics of Transportati	on Means	(LIM) Logi Academic	istic Engineering and Management, Master Studies		
10.	DM420	Select	ed Chapter	s – Internal Combustion	(IC) Engines	(M00) Me	chanical Engineering, Doctoral Academic Studies		
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)					
1.			The realis 4, ISSN 0		ew thermodyna	mic cycle fo	r internal combustion engine, Thermal Science,		
2.				characteristics of a new 530158D, ISSN 0354-983		t Volume Co	ombustion spark ignition engine, Thermal Science,		
3.				of a new IC engine conc DD, ISSN 0354-9836.	ept with variable	e piston mot	tion, Thermal Science, 2012,		
4.	Klinar I., No.1, p 1	Stefano 2-17, 19	vić A., Rajk 999.	ović M.: Possibilities of p	iston-cylinder di	agnostics of	f fits of engines, Tribology in industry, vol.21,		
5.		zijum o	konstruisar				ameters of I.C. engine piston-cylinder assemblies, čkih nauka, 29-30 Septembar, 2010, pp. 305-310,		
6.				ć A., Bošnjaković S.:Influ ceedings, A7-1-13, Bratis		additives for	r fuel on efektiveness of engine, 38. International		
7.	ACTUAL	TASKS	ON AGRIC		NG, Opatija: Sve		ry, 39. 39th INTERNATIONAL SYMPOSIUM: agrebu Agronomski Fakultet, Hrvatska, 22-25		
8.		Klinar I.	, Dorić M.:			C Engines, F	FME Transactions, 2011, Vol. 29, No 3, pp. 97-		
9.		e Techr	ologies IN-				bustion engine, 2. International Conference on of Rijeka, 1-3 Septembar, 2011, pp. 35-39, ISBN		
10.							rcular gears, 7. Simpozijum o konstruisanju, Maj, 2012, pp. 345-348, ISBN 978-86-7892-399-9.		
Sur	Summary data for teacher's scientific or art and professional activity:								
	ation total :			0					
Tota	Total of SCI(SSCI) list papers : 3								

STAS STUD		UNIVERSITY OF NO	VI SAD		WYKNX N
A COR	FACULTY OF TECHNICAL SCI	EJA OBRADOVIĆA 6	STATE OF		
20000	Study F	Programme A	Col		
OPLANTER S	MASTER ACADEMIC STUDIES	т	echnical Mechani	cs and Technical Design	HOS
Current projects :		Domestic :	0	International :	0



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Name and last name: Kovač P								
	emic title:	ame.			Full Professo			
		itution v	where the te	acher works full time and			nces - Novi Sad	
	ng date:				01.12.1975			
Scier	ntific or art f	ield:			Processes for Material Removal Processing			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	1998	Faculty of Technical Sci	ences - Novi S	ad	Processes for Material Removal Processing	
PhD	thesis		1987	Faculty of Technical Sci	ences - Novi S	ad	Processes for Material Removal Processing	
Magi	ster thesis		1980	Faculty of Technical Sci	ences - Novi S	ad	Processes for Material Removal Processing	
Bach	elor's thesis	6	1975	Faculty of Technical Sci	ences - Novi S	ad	Machine Tools, Flexible Technological Systems and Automatization Processes Design	
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	P1406	Theory	y of Machin	ing Processes		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
2.	P1507	Inovat	ional Techn	ologies		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
3.	P208	Techn	ology for C	utting Processing		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
4.	P2617	Planni	ng Methods	and Experiment Process	sing	(P00) Proc Studies	duction Engineering, Undergraduate Academic	
5.	P305	Nonco	nventional	Procedures in Processing		(P00) Proc Studies	duction Engineering, Undergraduate Academic	
6.	P4410	-		ct Functionality		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
7.	ZR320	Experimental Analysys of Safety and Healt Workplace			h on	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
8.	P316A	Technology for Microcutting Processes				(P00) Prod Studies	duction Engineering, Undergraduate Academic	
9.	P1501	Ecolog	gical Techno	ologies and Systems		(M40) Technical Mechanics and Technical Design, Master Academic Studies		
						, ,	duction Engineering, Master Academic Studies	
10.	P1505		-	nulation in Processing		(PM0) Production Engineering, Master Academic Studies		
11.	P1509			Processing		(PM0) Production Engineering, Master Academic Studies		
12.	P3502			hining technology		(PM0) Production Engineering, Master Academic Studies		
13.	PIP16			onmental protection		(PM0) Production Engineering, Master Academic Studies		
14. 15.	PP101 SDOM3	Proba	bility, Statis	Processes tics and Theory of Engine	ering	(PM0) Production Engineering, Master Academic Studies(Z00) Environmental Engineering, Specialised Academic		
-	0	Experi	ment			Studies		
							chanical Engineering, Doctoral Academic Studies	
16.	DOM30	Probal Experi		tics and Theory of Engine	ering	 (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies 		
						(Z01) Safety at Work, Doctoral Academic Studies		
17.	DP001	Desigr Engine		arch Methods in Productic	n	, <i>,</i>	chanical Engineering, Doctoral Academic Studies	
18.	DP002			n Forming by Material Rer	moval	(M00) Med	chanical Engineering, Doctoral Academic Studies	
19.	DP009		al Intelligen	ce Application in Forming		, ,	chanical Engineering, Doctoral Academic Studies	
20.	DP013			ering Aspects		(M00) Mechanical Engineering, Doctoral Academic Studies		
21.	DP020	State a	and Tender	cies in Development of U	nconventional			
22.	DP021	Forming Processes				(M00) Meo	chanical Engineering, Doctoral Academic Studies	
Rep	oresentative			num 5, not more than 10)				
1.	Kovač P.	, Milikić	D.:Rezanie	metala, Univerzitet u Nov	om Sadu. 199	8		
1. Kovač P., Milikić D.:Rezanje metala, Univerzitet u Novom Sadu, 1998								

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WAKNX M.			
AN A	ALL STOR	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
2.2		Study Programme Accreditation							
6	LANTEN	MASTER ACADEMIC STUDIES	т	echnical Mechan	ics and Technical Design	-e HOP			
Re	presentative r	efferences (minimum 5, not more th	an 10)						
2.	,	Milikić D.,Gostimirović M.,Sekulić M i Sad, 2011.	., Savkovic.,B.: Zbirka	i zadataka iz tehn	ologije obrade rezanjem , F	akultet tehničkih			
3.	Kovač Pave	el, Metode planiranja i obrade ekspe	erimenata, FTN Novi S	Sad, 2011					
4.	. Kovač P. : Podloge za upravljanje procesom čeonog glodanja, FTN, IPM, Novi Sad, 1988								
5.	Kovač P.: N	/lodeliranje procesa obrade-faktorni	planovi eksperimenta	a, Fakultet tehničk	ih nauka, Novi Sad, 2006				
6.	Kovač P.: 1	eorija obradnih procesa -praktikum	za vežbe, Fakultet te	hničkih nauka , N	ovi Sad, 2007				
7.	ANALYSIS	Rodić D., Pucovsky V., Savković B., FOR MODELING SURFACE ROU UDK: DOI 10.1007/s10845-012-06	GHNESS IN FACE M						
8.	Šiđanin L., 439-444	Kovač P.: Fracture mechanisms in	chip formation proces	ses, Materials Sci	ience and Technology, Vol.	. 13, 1997, pp.			
9.	Pavel Kova	č, Zuzana Palkova, Proizvodno ma	šinstvo i obnovljivi izv	ori energije, FTN	Novi Sad 2011				
10.	Kovač P., Š	Sidanin L.: Investigation of chip form	ation during milling, Ir	nt. J. Production E	Economic, 51, 1997, pp. 14	9-153			
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:						
	tation total :		7						
	I of SCI(SSCI) list papers :	15	1	1	1			
Curr	ent projects :		Domestic :	1	International :	7			



 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Nom	lame and last name: Maretić B. Ratko								
	e and last n	ame.			Full Professor				
		itution	whore the t-	achor works full time and					
	ng date:	itution v	vnere the te	acher works full time and	18.05.1993				
	ntific or art f	ield:			Deformable Body Mechanics				
Acad	emic cariee	er	Year	Institution		Field			
Acad	emic title el	ection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Deformable Body Mechanics		
PhD	thesis		1997	Faculty of Technical Sci			Deformable Body Mechanics		
Magi	ster thesis		1993	Faculty of Technical Sci	ences - Novi Sa	ad	Deformable Body Mechanics		
Bach	elor's thesis	5	1987	Faculty of Technical Sci	ences - Novi Sa	ad	Deformable Body Mechanics		
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	ogramme name, study type		
1.	A237	Materi	al Resistan	ce		(A00) Arch	hitecture, Undergraduate Academic Studies		
							chanization and Construction Engineering, luate Academic Studies		
2.	M204	Strong	Strength of Materials			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
۷.	M204	Streng		a lo			chnical Mechanics and Technical Design, luate Academic Studies		
						(P00)Proo Studies	duction Engineering, Undergraduate Academic		
3.	M4305	Thermomechanics					M40) Technical Mechanics and Technical Design, Indergraduate Academic Studies		
4.	URZP14	Funda	Fundamentals of Mechanical Engineering				aster Risk Management and Fire Safety, luate Academic Studies		
	Z108	Fundamentals of Mechanics				· ,	ety at Work, Undergraduate Academic Studies an Energy Technologies, Undergraduate		
5.						Academic Studies (Z20) Environmental Engineering, Undergraduate Academic			
						Studies			
6.	BMI127	Biome	chanics			Studies	medical Engineering, Undergraduate Academic		
						Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
7.	II1004	Mecha	nics and In	dustrial Engineering		(110) Industrial Engineering, Undergraduate Academic Studies			
8.	M44051	Theory	of Plates a	and Shells			chnical Mechanics and Technical Design, luate Academic Studies		
9.	M4501	Indust	rial Design			Àcadémic			
10.	M4505	Model	ling of non-	inear systems		Academic			
						× ,	chanical Engineering, Doctoral Academic Studies		
11.	DM403	Mathe	matical Roo	I Theory			chnical Mechanics, Doctoral Academic Studies		
						(OM1) Mathematics in Engineering, Doctoral Academic Studies			
12.	ZRD16A		•	in mechanics and elastic	ity theory	(Z01) Safe	ety at Work, Doctoral Academic Studies		
Rep				num 5, not more than 10)					
1.	Internatio	nal Jou	rnal of Strue	ctural Stability and Dynam	nics, 2010, 10(5	5), 1111-112			
2.	2. V. Glavardanov, R. Maretic and N. Grahovac: Buckling of a twisted and compressed rod supported by Cardan joints. European Journal of Mechanics A/Solids, 2009, 28, 131- 140.								
3.	3. V. Glavardanov and R. Maretic: Stability of a twisted and compressed clamped rod. Acta Mechanica, 2009, 202, 17-33.								
4.				ov: Impact of mounting w 313, 308- 324.	ith an overlap o	on vibration	and stability of a rotating annular plate. Journal of		

4	TAS STUR		UNIVERSITY OF NO	VI SAD		WAKNX M.			
AN A	Mail Show	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSI	TEJA OBRADOVIĆA 6	STATE OF			
2200000		Study F	Study Programme Accreditation						
6	LANTENS	MASTER ACADEMIC STUDIES	Т	echnical Mechar	nics and Technical Design	A HOB			
Representative refferences (minimum 5, not more than 10)									
5.	R. Maretic, V. Glavardanov and D. Radomirovic: Asymmetric vibrations and stability of a rotating annular plate loaded by a torque. Meccanica, 2007, 42, 537- 546.								
6.	R. Maretic, 2005, "Transverse vibration and stability of an eccentric rotating circular plate", Journal of Sound and Vibration 280, 467-478.								
7.		ic, V. B. Glavardanov, 2004, "Stabil Transactions of the ASME, 71, 897		ed Circular Plate	with Elastic Support", Journ	al of Applied			
8.		ic and T. M. Atanackovic, 2001, Jou Elastic Half-Space.	urnal of Engineering N	lechanics Vol 12	7, 242-247, Buckling of Colu	ımn with Base			
9.	L. Cvetican	in, R. Maretic, 2000., Mechanism a	nd Machine Theory 38	5, 1391-1411. Dy	namic analysis of a cutting r	nechanism.			
10.	T.M. Atanackovic, R.B. Maretic, J.M. Milidragovic, 1999, Archive of Applied Mechanics 69, 94-104, On the stability of an elastic column positioned on an elastic half space.								
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:						
Quot	tation total :		25						
Tota	I of SCI(SSCI)	list papers :	14			•			
Curr	ent projects :		Domestic :	1	International :	0			



 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

	e and last n	ame:			Novaković N.			
	lemic title:				Associate Pro		neen Nevi Sad	
	e of the insi ng date:	titution v	vhere the te	eacher works full time and	05.12.1997	chnical Scie	nces - Novi Sad	
	ntific or art f	ield:	-		Deformable E	ody Mecha	nics	
Acad	lemic cariee	er	Year	Institution		Field		
Acad	lemic title e	lection:	2011				Deformable Body Mechanics	
PhD	thesis		2006	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics	
Magi	ster thesis		2001	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics	
Bach	elor's thesis	S	1987	Faculty of Technical Sci	ences - Novi S	ad	Theory of Construction	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	GG15	Streng	th of Mater	ials		(G00) Civi	I Engineering, Undergraduate Academic Studies	
2.	GG410	Select	ed Chapter	s in the Theory of Elasticit	Ŋ	(G00) Civil	Engineering, Undergraduate Academic Studies	
3.	H202	Streng	th of mater	ials		(H00) Mec	chatronics, Undergraduate Academic Studies	
4.	M2412	Theon	∕ of Elastici	tv.			hnical Mechanics and Technical Design, uate Academic Studies	
	1012-112	Theory		.y		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
5.	M4402	Dynam	nics and Sta	ability of Constructions			hnical Mechanics and Technical Design, uate Academic Studies	
6.	BMI96	Mechanics				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
7.	II1004	Mechanics and Industrial Engineering				(110) Indus Studies	strial Engineering, Undergraduate Academic	
8.	M2546	Selected Chapters in the Theory of Elasticity			y	(M22)Meo Academic	chanization and Construction Engineering, Master Studies	
9.	M4503	Higher	Course in	Elasticity		(M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies	
						(E20) Computing and Control Engineering, Doctoral Academic Studies		
10.	DAU003	Select	ed Chapter	s in Mechanics		(H00) Mechatronics, Doctoral Academic Studies		
						(OM1) Mathematics in Engineering, Doctoral Academic Studies		
						(M00) Mechanical Engineering, Doctoral Academic Studies		
11.	DM403	Mathe	matical Roo	d Theory		· /	hnical Mechanics, Doctoral Academic Studies	
				-		(OM1) Mathematics in Engineering, Doctoral Academic Studies		
12.	DZ003	Select	ed Chapter	s in Mechanics		. ,	chanical Engineering, Doctoral Academic Studies	
13.	ZRD16A		· · ·	s in mechanics and elastic	ity theory	(Z01) Safe	ety at Work, Doctoral Academic Studies	
Rep	presentative	e reffere	nces (minin	num 5, not more than 10)				
1.	Applied N	/lechani	cs. Vol. 28-	29, pp 27-37, Belgrade 20	002		DF A VISCOELASTIC BODY. Theoretical and	
2.	Journal o	f Scienc	e and Tech	nnology. Vol 28, No B4, 2	004		A STEP CHANGE IN A CROSS SECTION. Iranian	
3.	Journal o	f Mecha	anics A/Soli	ds. Vol.25, No 1, pp 154-1	65, 2006		JMN ON ELASTIC FOUNDATION. European	
4.				STABILNOSTI ŠTAPA NA RSTVU, Subotica, 2-3 Jur		J PODLOZI,	Međunarodna konferencija 2006 SAVREMENI	
5.	Novakovic B., Atanackovic T.: ON THE OPTIMAL SHAPE OF AN ELASTIC ROD ON ELASTIC FUONDATION, The First International Conference on Computational Mechanics, Belgrade, November 15-17, 2004							
6.			STABILIT er 12-13, 20		H A STEP CHA	NGE, 23th	Congress of Theoretical and Applied Mechanics,	
7.	B. N. Nov	/akovic,	ON STABI	LITY OF THE COLUMN V	VITH A STEP (CHANGE, IS	SIRR 2002, Novi Sad, October 2002	

ASTINS STUDIO			UNIVERSITY OF NO	OVI SAD		NUKWX L		
		FACULTY OF TECHNICAL SC	ENCES 21000 NOVI	SAD, TRG DOS	ITEJA OBRADOVIĆA 6	STATE		
		Study F	ion	Con				
<i>`</i> 0	PLANTER	MASTER ACADEMIC STUDIES		e Hoo				
Representative refferences (minimum 5, not more than 10)								
8.	Atanackovic T., Novakovic B.: STABILITY OF AN ELASTIC ROD ON ELASTIC FOUNDATION,24th Congress of Theoretical and Applied Mechanics, Belgrade, October 9-10, 2003.							
9.		ković, T. M. Atanacković: STABILN ernational scientific meeting, Novi S		STAPA NA ELAS	TIČNOJ PODLOZI, INDIS 20	003, 9th National		
10.		c T.M., Novakovic B.N.: OPTIMAL lune1-3, 2005.	SHAPE OF AN ELA	STIC, 25th Cong	ress of Theoretical and Appli	ied Mechanics,		
Su	mmary data fo	r teacher's scientific or art and prof	essional activity:					
Quo	Quotation total : 2							
Tota	I of SCI(SSCI)	list papers :	5					
Curr	ent projects :		Domestic :	1	International :	0		



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Name and	last na	amo.			Rakarić Đ. 7v	rić Đ. Zvonko		
Academic		airie.			Assistant Pro			
		tution	horo tho to	acher works full time and	E 11 (T		nces - Novi Sad	
starting da		lution w	mere the te	acher works full time and	15.11.1999			
Scientific o		eld:			Mechanics			
Academic	carieer	r	Year	Institution			Field	
Academic	title ele	ection:	2012				Mechanics	
PhD thesis	5		2011	Faculty of Technical Sci	ences - Novi Sa	ad	Technical Mechanics	
Magister th	nesis		2009	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics	
Bachelor's			1999	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics	
List of cour	rses be	eing hel	d by the tea	acher in the accredited stu				
ID		-	e name		<u> </u>		gramme name, study type	
1. E	E104	Mecha	nics				ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
		Weena					asurement and Control Engineering, uate Academic Studies	
2. I			ical Mechar	nics		Academic		
3. G	G14	Mecha	nics 2				I Engineering, Undergraduate Academic Studies	
4. IA	KI01	Selecte	ed Chapter	s in Kinematics		Studies	ineering Animation, Undergraduate Academic	
5. N	v103	Mechanics 1				 (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies 		
6. N	v107	Mecha	nics 2			Undergrad (M30) Ene Academic (M40) Tec Undergrad	chanization and Construction Engineering, uate Academic Studies ergy and Process Engineering, Undergraduate Studies chnical Mechanics and Technical Design, uate Academic Studies duction Engineering, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
7. N	M201	Mecha	nics 3			(M30) Energy and Process Engineering, Undergraduate Academic Studies		
						Undergrad (P00) Proc	chnical Mechanics and Technical Design, uate Academic Studies duction Engineering, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
8. M2	2411	Theory	of Oscillat	ion			chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
9. M4	4301	Compu	uter Method	ls in Mechanics		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
10. M4	5021	Compu	uter Method	ls in Mechanics 2		(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies	
Represer	ntative	reffere	nces (minin	num 5, not more than 10)				

5	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKHX H		
AL A	NOR C	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	TEJA OBRADOVIĆA 6	STATE -		
N. NE		Study F	Programme A	ccreditatio	on	Cond Strange		
9	LANTER	MASTER ACADEMIC STUDIES	Т	echnical Mechani	ics and Technical Design	HO		
Rep	presentative re	efferences (minimum 5, not more th	an 10)					
1.		Kovačić I.: An elliptic averaging me pring force, in press, Communication						
2.		Kovačić I.: Approximations for mot Vibration, 2011, No 330, pp. 321-33		ith a non-negative	e real power restoring force	e, Journal of		
3.	Kovačić I., Rakarić Z.: Study of oscillators with a non-negative real-power restoring force and quadratic damping, Nonlinear Dynamics, 2011, Vol. 64, No 3, pp. 293-304, ISSN 0924-090X, UDK: DOI: 10.1007/s11071-010-9861-9							
4.	Cvetićanin L., Kovačić I., Rakarić Z.: Asymptotic methods for vibrations of the pure fractional-order non-linear oscillators, Computers							
5.	Kovačić I., Rakarić Z.: Oscillators with a fractional-order restoring force: higher-order approximations for motion via a modified Ritz method, Communication in Non-linear Science and Numerical Simulations, 2010, Vol. 15, pp. 2651-2658, ISSN 1007-5704							
6.		Rakarić Z., Cvetićanin L.: A non-sir s and Computation, 2010, Vol. 217			ertain class of non-linear of	scillators , Applied		
7.	Rakarić Z.:	Oscillators with a quasi-constant re	estoring force: approxi	mations for motio	n, Meccanica, 2010, ISSN	0025-6455		
8.	forced resp	Kovačić I.: Oscillators with a purely onse via elliptic functions and avera 978-88-906234-2						
9.	Rakarić Z., Kovačić I.: On the behaviour of forced oscillators with a non-negative real-power restoring force and van der Pol damping, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 1284-1296, ISBN 978-86-909973-3-6							
10.	Rakarić Z., Zuković M.: Iteration method solutions for oscillators with sign(x)Abs(x)^alfa elastic force, 2. International Congress of Serbian Society of Mechanics, Palić, 1-5 Jun, 2009, pp. 1-10, ISBN 978-86-7892-173-5, UDK: paper A14							
Sur	Summary data for teacher's scientific or art and professional activity:							
	tation total :		20					
-	Total of SCI(SSCI) list papers : 6							
Curr	ent projects :		Domestic :	1	International :	1		



Study Programme Accreditation

OBRADOVIĆA 6

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

3. P44 to Design and Product Pullicularity Studies 6. P316A Technology for Microcutting Processes (P00) Production Engineering, Undergraduate Academic Studies 7. P1501 Ecological Technologies and Systems (M40) Technical Mechanics and Technical Design, Master Academic Studies 8. P1505 Modelling and Simulation in Processing (PM0) Production Engineering, Master Academic Studies 9. P1509 Highly Productive Processing (PM0) Production Engineering, Master Academic Studies 10. P3502 Mold and die machining technology (PM0) Production Engineering, Master Academic Studies 11. P4410A Production Design (PM0) Production Engineering, Master Academic Studies 12. PP101 Inteligent Forming Processes (PM0) Production Engineering, Master Academic Studies 13. ZRMI2A Product safety and user/consumer protection (Z01) Safety at Work, Master Academic Studies 14. DP001 Design and Research Methods in Production (M000) Mechanical Engineering, Doctoral Academic Studies 15. DP002 State and Terdencies in Development of Unconventional (M00) Mechanical Engineering, Doctoral Academic Studies 18. DP021 Selected Chapters in Micro and N									
Name of the institution where the teacher works full time and facting date. Faculty of Technical Sciences - Novi Sad Scientific or af field: Processes for Material Removal Processing Academic telector. 2012 Academic telector. 2017 Faculty of Technical Sciences - Novi Sad Processes for Material Removal Processing Magister thesis 1998 Bachelor's thesis 1998 Bachelor's thesis 1998 Bachelor's thesis 1998 ID Course name Study programme name, study type ID Course name Study programme name, study type 1. P1406 Theory of Machining Processing (P00) Production Engineering, Undergraduate Academic Studies 3. P208 Technology for Cutting Processing (P00) Production Engineering, Undergraduate Academic Studies 4. P305 Nonconventional Processing (P00) Production Engineering, Undergraduate Academic Studies 5. P4410 Design and Product Functionality (P00) Production Engineering, Master Academic Studies 6. P316A Technology for Microcutting Processing (P00) Production Engineering, Master Academic Studies			ame:						
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17. DP020 State and Tendencies in Development of Unconventional Forming Processes (M00) Mechanical Engineering, Doctoral Academic Studi 18. DP021 Selected Chapters in Micro and Nano Forming by Material Removal (M00) Mechanical Engineering, Doctoral Academic Studi 19. ZRD211 Sustainable design and product safety (Z01) Safety at Work, Doctoral Academic Studies Representative refferences (minimum 5, not more than 10) 1. Gostimirović M., Kovač P., Sekulić M., Škorić B.: Influence of discharge energy on machining characteristics in EDM, J MECH SCI TECHNOL, 2012, Vol. 26, No 1, pp. 173-179, ISSN 1738-494X 2. Cukor G., Jurković Z., Sekulić M.: Rotatable Central Composite Design of Experiments versus Taguchi Method in the Optimization of Turning, Metalurgija, 2011, Vol. 50, No 1, pp. 17-20, ISSN 0543-5846 3. Inverse Heat Conduction Analysis, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 10, pp. 730-738, ISSN 0039-2480 4. Gostimirović M., Kovač P., Sekulić M.: An inverse heat transfer problem for optimization of the thermal process in machining, Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science, 2011, Vol. 36, No 4, pp. 489-504, ISSN 0256-2499 5. Gostimirović M., Kovač P., Škorić B., Sekulić M.: Effect of Electrical Pulse Parameters on the Machining Performance of EDM,	16.	DP009	Remov	val			(M00) Me	chanical Engineering, Doctoral Academic Studies	
10. DP021 Material Removal (mos) modulation and product and other field of the second of the s	17.	DP020	State a Formir	and Tenden	es		(M00) Me	chanical Engineering, Doctoral Academic Studies	
Representative refferences (minimum 5, not more than 10) 1. Gostimirović M., Kovač P., Sekulić M., Škorić B.: Influence of discharge energy on machining characteristics in EDM, J MECH SCI TECHNOL, 2012, Vol. 26, No 1, pp. 173-179, ISSN 1738-494X 2. Cukor G., Jurković Z., Sekulić M.: Rotatable Central Composite Design of Experiments versus Taguchi Method in the Optimization of Turning, Metalurgija, 2011, Vol. 50, No 1, pp. 17-20, ISSN 0543-5846 3. Gostimirović M., Sekulić M., Kopač J., Kovač P.: Optimal Control of Workpiece Thermal State in Creep-Feed Grinding Using Inverse Heat Conduction Analysis, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 10, pp. 730-738, ISSN 0039-2480 4. Gostimirović M., Kovač P., Sekulić M.: An inverse heat transfer problem for optimization of the thermal process in machining, Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science, 2011, Vol. 36, No 4, pp. 489-504, ISSN 0256-2499 5. Gostimirović M., Kovač P., Škorić B., Sekulić M.: Effect of Electrical Pulse Parameters on the Machining Performance of EDM,			Materi	al Removal		iing by	、 ,		
1. Gostimirović M., Kovač P., Sekulić M., Škorić B.: Influence of discharge energy on machining characteristics in EDM, J MECH SCI TECHNOL, 2012, Vol. 26, No 1, pp. 173-179, ISSN 1738-494X 2. Cukor G., Jurković Z., Sekulić M.: Rotatable Central Composite Design of Experiments versus Taguchi Method in the Optimization of Turning, Metalurgija, 2011, Vol. 50, No 1, pp. 17-20, ISSN 0543-5846 3. Gostimirović M., Sekulić M., Kopač J., Kovač P.: Optimal Control of Workpiece Thermal State in Creep-Feed Grinding Using Inverse Heat Conduction Analysis, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 10, pp. 730-738, ISSN 0039-2480 4. Gostimirović M., Kovač P., Sekulić M.: An inverse heat transfer problem for optimization of the thermal process in machining, Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science, 2011, Vol. 36, No 4, pp. 489-504, ISSN 0256-2499 5. Gostimirović M., Kovač P., Škorić B., Sekulić M.: Effect of Electrical Pulse Parameters on the Machining Performance of EDM,				0	1 2		(Z01) Safe	ety at Work, Doctoral Academic Studies	
1. SCI TECHNOL, 2012, Vol. 26, No 1, pp. 173-179, ISSN 1738-494X 2. Cukor G., Jurković Z., Sekulić M.: Rotatable Central Composite Design of Experiments versus Taguchi Method in the Optimization of Turning, Metalurgija, 2011, Vol. 50, No 1, pp. 17-20, ISSN 0543-5846 3. Gostimirović M., Sekulić M., Kopač J., Kovač P.: Optimal Control of Workpiece Thermal State in Creep-Feed Grinding Using Inverse Heat Conduction Analysis, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 10, pp. 730-738, ISSN 0039-2480 4. Gostimirović M., Kovač P., Sekulić M.: An inverse heat transfer problem for optimization of the thermal process in machining, Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science, 2011, Vol. 36, No 4, pp. 489-504, ISSN 0256-2499 5. Gostimirović M., Kovač P., Škorić B., Sekulić M.: Effect of Electrical Pulse Parameters on the Machining Performance of EDM,	Rep								
 2. Optimization of Turning, Metalurgija, 2011, Vol. 50, No 1, pp. 17-20, IŠSN 0543-5846 Gostimirović M., Sekulić M., Kopač J., Kovač P.: Optimal Control of Workpiece Thermal State in Creep-Feed Grinding Using Inverse Heat Conduction Analysis, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 10, pp. 730-738, ISSN 0039-2480 Gostimirović M., Kovač P., Sekulić M.: An inverse heat transfer problem for optimization of the thermal process in machining, Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science, 2011, Vol. 36, No 4, pp. 489-504, ISSN 0256-2499 Gostimirović M., Kovač P., Škorić B., Sekulić M.: Effect of Electrical Pulse Parameters on the Machining Performance of EDM, 	1.	SCI TEC	HNOL, 2	2012, Vol. 2	8, No 1, pp. 173-179, ISS	N 1738-494X			
 Inverse Heat Conduction Analysis, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 10, pp. 730-738, ISSN 0039-2480 Gostimirović M., Kovač P., Sekulić M.: An inverse heat transfer problem for optimization of the thermal process in machining, Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science, 2011, Vol. 36, No 4, pp. 489-504, ISSN 0256-2499 Gostimirović M., Kovač P., Škorić B., Sekulić M.: Effect of Electrical Pulse Parameters on the Machining Performance of EDM, 	2.	Optimizat	tion of T	urning, Met	alurgija, 2011, Vol. 50, No	o 1, pp. 17-20,	IŠSN 0543-	5846	
 Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science, 2011, Vol. 36, No 4, pp. 489-504, ISSN 0256-2499 Gostimirović M., Kovač P., Škorić B., Sekulić M.: Effect of Electrical Pulse Parameters on the Machining Performance of EDM, 	3.	Inverse H	leat Cor	nduction An					
	4.	Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science, 2011, Vol. 36, No 4, pp. 489-504, ISSN							
	5.							neters on the Machining Performance of EDM,	

4	TAS STUR		UNIVERSITY OF NO	VI SAD		WAKNX 4		
AN A	Mall Ball	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSI	ITEJA OBRADOVIĆA 6	STATE		
20000		Study F	Study Programme Accreditation					
.01	LANTEN	MASTER ACADEMIC STUDIES	UDIES Technical Mechanics and Technical Design					
Representative refferences (minimum 5, not more than 10)								
6.	Sekulić M., Jurković Z., Hadžistević M., Gostimirović M.: The influence of mechanical properties of workpiece material on the main cutting force in face milling, Metalurgija, 2010, Vol. 49, No 4, pp. 339-342, ISSN 0543-5846							
7.	Sekulić M., Kovač P., Gostimirović M.: Drilling cuting forces monitoring using virtual instrumentation, Central Europen Exchange Program for University Studies, Cracow University of Technology, Technical University of Košice, 2009, str. 31-36, ISBN 978-83- 7242-509-6							
8.		Gostimirović M., Sekulić M., Pižurica ngineering, 2010, Vol. 10, No 2, pp.			for Cutting Regime Setting,	Journal of		
9.		Kovač P.: Modelling of component 2, pp. 65-72, ISSN 1895-7595	s of resultant force du	ring face milling	, Journal of Machine Engi	ineering, 2008,		
10.	Milikić, D., Sekulić, M., Gostimirović, M., Uzelac, S. Naziv: Uticaj trenja i poprečnog sečiva burgije na položaj i veličinu sila rezanja Naziv časopisa: Časopis Jugoslovenskog društva za tribologiju TRIBOLOGIJA U INDUSTRIJI, 1999.							
Sur	Summary data for teacher's scientific or art and professional activity:							
Quot	Quotation total : 40							
Tota	Total of SCI(SSCI) list papers : 6							
Curre	ent projects :		Domestic :	1	International :	3		



State and a state of the state

 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

	e and last n	ame:			Simić S. Srbo	-		
	emic title:				Full Professo		nana Navi Cad	
	e of the insi ng date:	titution v	vhere the te	eacher works full time and	25.11.1993	chnical Scie	nces - Novi Sad	
	ntific or art f	ield:			Mechanics			
	emic carie		Year	Institution			Field	
	emic title e		2010	Faculty of Technical Sci	ences - Novi S	ad	Mechanics	
	thesis		1999	Faculty of Technical Sci			Mechanics	
Magi	ster thesis		1997	Faculty of Mathematics			Mechanics	
-	elor's thesis	S	1993	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E104	Mecha	anics			Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies asurement and Control Engineering,	
2	0007	Maaba	nico 1				uate Academic Studies	
2.	GG07	Mecha				`	I Engineering, Undergraduate Academic Studies chnical Mechanics and Technical Design,	
3.	M4305	Therm	omechanic	S			uate Academic Studies	
4.	Z108	Funda	mentals of	Mechanics		 (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies 		
						Studies	ronmental Engineering, Undergraduate Academic	
5.	M44031	Analytical mechanics					chnical Mechanics and Technical Design, uate Academic Studies	
6.	M4505	505 Modelling of non-linear systems				(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies	
7.	BMIM4A	Transp	port phenor	nena and Living systems		(BM0) Bio	medical Engineering, Master Academic Studies	
						(M00) Me	chanical Engineering, Doctoral Academic Studies	
8.	DM407	Nonlin	ear Mecha	nics with Nonconservative	Properties	(M40) Technical Mechanics, Doctoral Academic Studies		
					·	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
9.	DSIM8	Select	ed Chapter	s in Dynamics and Contro		(M40) Technical Mechanics, Doctoral Academic Studies		
10.	DZ003	Select	ed Chapter	s in Mechanics		(M00) Me	chanical Engineering, Doctoral Academic Studies	
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)				
1.				mehanika: dinamika, stal i", 415 str., ISBN 86-8521		cije, Fakultet	tehničkih nauka, Novi Sad 2006., Edicija	
2.				Maretić: Osnove mehanik 78-86-7892-147-6	e, Fakultet tehr	ničkih nauka	, Novi Sad 2008., Edicija "Tehničke nauke -	
3.			Г. Kawaguc 58 (3), pp. 2		lass of Conser	vation Laws	of Linear Time-Dependent Dynamical Systems,	
4.		nackovid	c, S.S. Simi		hape of a Pflüg	ger column,	European Journal of Mechanics, A/Solids, 18 (5),	
5.	S.S. Simi	c (2002), On the sy	mmetry approach to poly Linear Mechanics, 37, pp.			of one-dimensional Lagrangian systems,	
6.	T. Rugge	ri, S. Si	mić (2004),				Euler Fluids, Continuum Mechanics and	
7.	T. Rugge	ri, S. Si	mić (2007),				uids: a comparison between single- and multi- 7-849.<\eng>	
8.	T. Rugge	ri, S. Si	mić (2009)				Ititemperature mixtures of fluids, Physical Review	
9.	 E, vol. 80, 026317 T. Atanacković, S. Konjik, S. Pilipović, S. Simić (2009) Variational problems with fractional derivatives: Invariance conditions and Nöther's theorem, Nonlinear Analysis: Theory, Methods and Applications, vol. 71, pp. 1504-1517 							
10.								
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201	, and a second							

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OR	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6		
120000	Study F	on	Contraction			
OPLANTER	MASTER ACADEMIC STUDIES	Т	echnical Mechani	cs and Technical Design	e Hos	
Quotation total :		7				
Total of SCI(SSCI)) list papers :	9				
Current projects :		Domestic :	1	International :	1	



 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

					0			
	e and last n	ame:			Spasić T. Dra	-		
	emic title:				Full Professor		need Need Oct	
	e of the inst ng date:	itution v	vhere the te	acher works full time and	Faculty of Tee 01.09.1985	unnical Scie	nces - Novi Sad	
	ntific or art f	ield:			Mechanics			
	emic carie		Year	Institution	WIECH di IICS	Field		
					anaaa Navi Si	. d		
	emic title el thesis	lection.	2005 1993	Faculty of Technical Sci Faculty of Technical Sci			Mechanics Mechanics	
				,		au	Mechanics	
	ster thesis		1991	Faculty of Mathematics	<u> </u>	- d		
	elor's thesis		1884	Faculty of Technical Sci			Information-Communication Systems	
LIST	or courses b	eing nei	id by the tea	acher in the accredited stu	idy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
						(A00) Arch	nitecture, Undergraduate Academic Studies	
1.	A207	Mecha	inics			(F10) Eng Studies	ineering Animation, Undergraduate Academic	
						(H00) Med	chatronics, Undergraduate Academic Studies	
2.	H112	Mecha	inics 1 – Fu	ndamentals		(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
3.	H201	Mecha	inics 2 - Ge	neral		(H00) Mec	chatronics, Undergraduate Academic Studies	
4.	H303	Mecha	tronics 3 –	Further Chapters		(H00) Mec	chatronics, Undergraduate Academic Studies	
						(F10) Engineering Animation, Undergraduate Academic Studies		
5.	1600	00 Industrial Robotics					asurement and Control Engineering, uate Academic Studies	
							er, Electronic and Telecommunication g, Undergraduate Academic Studies	
6.	M4302	Biome	chanics and	d mechanics of sport			nnical Mechanics and Technical Design, uate Academic Studies	
7.	ASO	Introdu	uction to eng	gineering		(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
8.	BMI127	Biome	chanics			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
0.		2.00				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
9.	BMI128	Contin	uum Biome	chanics		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
10.	BMI96	Mecha	inics			Studies	medical Engineering, Undergraduate Academic	
11.	II1004	Mecha	inics and In	dustrial Engineering		Studies	strial Engineering, Undergraduate Academic	
12.	M44041	Dynam	nics of non-	smooth mechanical system	ms	Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
13.	M44061	Optimi	zation of m	echanical systems			chnical Mechanics and Technical Design, uate Academic Studies	
14.	BMIM4A	Transp	ort phenon	nena and Living systems		· ,	medical Engineering, Master Academic Studies	
15.	M45991	Biome	chanics of o	cardiovascular system		(M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies	
16.	SZD051	Applications of optimal control theory in living environment protection			ıg	(Z00) Envi Studies	ironmental Engineering, Specialised Academic	
							chatronics, Doctoral Academic Studies	
17	DM406	Noner	ooth Moch	anics and Ontimization		· ,	chanical Engineering, Doctoral Academic Studies	
17.		NULISI	IOULI MECH	anics and Optimization		· ,	chnical Mechanics, Doctoral Academic Studies	
						Studies	thematics in Engineering, Doctoral Academic	
18.	DZ003	Select	ed Chapter	s in Mechanics		(M00) Meo	chanical Engineering, Doctoral Academic Studies	

UNIVERSITY OF NOVI SAD



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knjiga, 2011

Total of SCI(SSCI) list papers :

1997

Quotation total :

Current projects

Sad, (monograph 157 pages in English and Serbian)

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

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



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Study Programme Accreditation

FO PLANTENS		MASTER ACADEMIC STUDIES T	echnical Mechanics and Technical Design					
List o	of courses b	eing held by the teacher in the accredited study programme	es					
	ID	Course name	Study programme name, study type					
19.	ZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Doctoral Academic Studies					
20.	DM801	Biomedical mechanics	(M40) Technical Mechanics, Doctoral Academic Studies					
			(H00) Mechatronics, Doctoral Academic Studies					
21.	DTM02	Theory of impact	(M00) Mechanical Engineering, Doctoral Academic Studies					
21.	DTIVIOZ	Theory of impact	(M40) Technical Mechanics, Doctoral Academic Studies					
			(S00) Traffic Engineering, Doctoral Academic Studies					
22.	DTM03	Biomechanical models and analysis of impact	(M40) Technical Mechanics, Doctoral Academic Studies					
23.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies					
Rep	Representative refferences (minimum 5, not more than 10)							
1.		., Glavardanov V.: Does generalized elastica lead to bimo s, 2009, Vol. 46, No 14-15, pp. 2939-2949, ISSN 0020-768						
2.		N., Žigić M., Spasić D.: On impact scripts with both fractic 2012, No Prihvaćen za štampu, ISSN 0218-1274	onal and dry friction type of dissipation, INT J BIFURCAT					
3.	D. T. Spa 87	sic and T. M. Atanackovic (2004), "Bimodal optimization of	a compressed rotating rod", Acta Mechanica, 173, N 1-4, 77-					
4.		.: Optimizing the elctrodynamical stabilization method for a lo 9, pp. 112-121, ISSN 0005-1179	man-made Earth satellite, AUTOMAT REM CONTR , 2011,					
5.		.j., Spasić D., Atanacković T.: On a mathematical model c ISSN 0109-5641	f a human root dentin , Dental Materials, 2005, Vol. 21, pp.					
6.		Spasić D.: Clinical Characteristic and type of thrombophilia GYNECOL OBSTET INVES, 2011, Vol. 72, No 2, pp. 103-1	in women with pregnancy-related venous thromboembolic 108, ISSN 0378-7346					
7.		nackovic and D. T. Spasic, (2004): "On viscoelastic complia lechanics, 71, 134-138	ant contact-impact models", Transactions of ASME Journal of					

Radovic R., Spasic D.T., Karadzic B., Novakovic B., Atanackovic J., Jelicic Z., and Tepavcevic B., (2002), ""New challenges and opportunities for the city of Novi Sad"", Coordinated by T. Atanackovic, The Danube Commision of EU and The University of Novi

Spasić D.: Boudary elements, theory and applications (English to serbian traslation done by D.T. Spasić), Beograd, Gradjevinska

1

International :

BD Vujanović, DT Spasić: Metodi optimizacije: primenjeni varijacioni račun, analitička mehanika, optimalno upravljanje, UNS,

16

Domestic :

8



AND THE REAL PROPERTY OF

Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Nam	e and last n	ame:			Škorić N. Bra	nko	N. Branko			
Acad	emic title:				Full Professo	r				
Nam	e of the inst	itution v	vhere the te	eacher works full time and	Faculty of Te	chnical Scie	ences - Novi Sad			
starti	ng date:				21.03.1985					
Scier	ntific or art f	ield:	_		Surface Engi	neering, Mic	cro and Nano Technologies			
Acad	emic cariee	er	Year	Institution			Field			
Acad	emic title el	ection:	2011	Faculty of Technical Sci	ences - Novi S	ad	Surface Engineering, Micro and Nano Technologies			
PhD	thesis		2001	Faculty of Technical Sci	ences - Novi S	ad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano			
Magi	ster thesis		1994	Faculty of Technical Sci	ences - Novi S	ad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano			
Bach	elor's thesis	5	1984	Faculty of Technical Sci	ences - Novi S	ad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano			
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es	•			
	ID	Course	e name			Study pro	ogramme name, study type			
1.	P105	Heat F	Processing			(P00) Pro Studies	duction Engineering, Undergraduate Academic			
2.	P110	Castin	g Technolo	ду		(P00) Pro Studies	duction Engineering, Undergraduate Academic			
3.	P210	Surfac	e Engineer	ing		(P00) Pro Studies	duction Engineering, Undergraduate Academic			
4.	P211	Devices and Plasma Procedures in Mechan Engineering			nical	(P00) Pro Studies	oduction Engineering, Undergraduate Academic			
5.	P2402	Designing of Thermal Processing Technolog			gies	(P00) Pro Studies	duction Engineering, Undergraduate Academic			
6.	P2403	Contemporary Casting Technologies				(P00) Pro Studies	duction Engineering, Undergraduate Academic			
7.	P3401	Chara	cteristics ar	nd Application of Plastic M	aterials	(P00) Pro Studies	duction Engineering, Undergraduate Academic			
8.	P3405	Therm	al Processi	ng of Contemporary Tools	3	(P00) Pro Studies	duction Engineering, Undergraduate Academic			
9.	II1001	-	eering mate			(I10) Industrial Engineering, Undergraduate Academic Studies				
10.	ZRI42A	treatm	ent of meta		mical	(Z01) Safety at Work, Undergraduate Academic Studies				
11.	P2503	Proces	ss Design ir	n Casting Technology		(PM0) Production Engineering, Master Academic Studies				
12.	P2507	Nanote	echnologies	3		Academic				
						(PM0)Pro	oduction Engineering, Master Academic Studies			
13.	PP2I11		-	eering in Medicine and Bi		<u>`</u>	oduction Engineering, Master Academic Studies			
14.	SMI002	metallu	urgical proc			(PM0)Pro	oduction Engineering, Master Academic Studies			
15.	DP001	Engine	ering	arch Methods in Productio		` '	chanical Engineering, Doctoral Academic Studies			
16.	DP004	Advan	ced Techno	ologies in Casting and Hea	at Treatment	(M00) Me	chanical Engineering, Doctoral Academic Studies			
17.	DP007	Proced	dures of Pla	asma Depozition		(M00) Me	chanical Engineering, Doctoral Academic Studies			
18.	DP011	Nanote	echnologies	s and Nanomaterials Form	iing	(M00) Me	chanical Engineering, Doctoral Academic Studies			
19.	DP014			ayers Characterization		(M00) Mechanical Engineering, Doctoral Academic Studies				
20.	ZRD213			development tendencies	of quality	(Z01) Safe	ety at Work, Doctoral Academic Studies			
Rep	Representative refferences (minimum 5, not more than 10)									
1.				ce of type of plasma coatir vol.17, Bulgarian-English			nd contact temperature on wear of tool steel, se ,1994, 214-219			
2.	2. Škorić B., Kakaš D., Tribologycal behaviour of TiN and TiAIN deposited layers on substrates plasma nitrided at low pressure, Materials and Manufacturing Processes, Vol 10, 1, New York, USA, 1995, 133-138									
3.				3., Microstructural and tribo I.3, No.3, 1997,142-147.	ological study o	of magnetro	n sputtered coating, Journal of the Balkan			

STASSICOLORUM			WAKNX 4					
		FACULTY OF TECHNICAL SCI	Star No.					
		Study F	Con					
		MASTER ACADEMIC STUDIES	т	echnical Mechar	nics and Technical Design	n Hos		
Rep	presentative r	efferences (minimum 5, not more th	an 10)					
4.	Škorić B., Kakaš D., Influence of plasma Nitriding on Mechanical and Tribological Properties of Steel with subsequent PVD Surface Treatments., Thin Solid Films, Elsevier Science, Oxford, England, 317, 1998, 486-489							
5.	Škorić B., Kakaš D., Examination of tribological properties of plasma surface layer using special test equipment, Computer Standards & Interfaces, Elsevier Science, Oxford, England, Volume 21, Issue 2, 1999, 123.							
6.	Kakaš D., Škorić B., Rakita M., Tribological behavior of duplex coating improved by ion implantataion, Thin Solid Films, Elsevier Science, Oxford, England, Volume 459, Issues 1-2, Oxford, England, 2004, 152-155.							
7.	Škorić B., Kakaš D., Rakita M., Bibić N., Peruško D Structure, hardness and adhesion of TiN coatings deposited by PVD and IBAD on nitrided steels, Vacuun, Pergamon, England, Volume 76, Issue 2-3, 2004,169-172							
8.	Škorić B., Kakaš D., Bibić N., Rakita M., Microstructural studies of TiN coatings prepared by PVD and IBAD, Surface Science, Elsevier Science B V, North-Holland, Volumes 566-568, Part 1, 2004, 40-44.							
9.	Škorić B., Kakaš D., Karakterizacija mikro i nano slojeva, monografija, FTN, Novi Sad, 2007							
10.	Škorić B.: Tribological characterizationof duplex coatings with additional ion bombardment, Brussels, European science foundation, 2008, str. 289-299, ISBN 978-92-898-0040-2							
Sur	mmary data fo	or teacher's scientific or art and profe	essional activity:					
Quot	Quotation total :		38					
Tota	I of SCI(SSCI)) list papers :	16					
Curre	ent projects :		Domestic :	1	International :	1		



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 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Nam	me and last name: Ubavin M. Dejan								
					Assistant Pro	•			
						Froiessoi Frechnical Sciences - Novi Sad			
					01.08.2005				
						Protection E	Engineering		
Acad	Academic carieer Year Institution					Field			
Acad	emic title e	lection:	2012	Faculty of Technical Sci	ences - Novi Sad		Environment Protection Engineering		
PhD	thesis		2012	Faculty of Technical Sci			Environment Protection Engineering		
Magi	ster thesis		2008	Faculty of Technical Sci	ences - Novi Sad		Environment Protection Engineering		
Bachelor's thesis 2004 Faculty of Technical Scier			ences - Novi Sad		Environment Protection Engineering				
List o	of courses b	eing he	Id by the te	acher in the accredited stu	udy programme	es	•		
	ID Course name			Study programme name, study type					
	Z205	Sustainable Use of Natural Resources and Environmental Protection System				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
1.						(Z01) Safety at Work, Undergraduate Academic Studies			
						(Z20) Environmental Engineering, Undergraduate Academic Studies			
		Solid Waste Management				(Z01) Safety at Work, Undergraduate Academic Studies			
2.	Z309A					(Z20) Environmental Engineering, Undergraduate Academic Studies			
3.	Z401A	Design and Planning in Environmental Protection			ection	(Z20) Environmental Engineering, Undergraduate Academic Studies			
4.	Z401B	Design and Planning in Environmental Engineering			ineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
5.	Z409A	Hazardous Waste Management and Recycling Technologies			ling	(Z20) Environmental Engineering, Undergraduate Academic Studies			
6.	Z414	Contemporary Methods of Soil Remediation			ı	(Z20) Environmental Engineering, Undergraduate Academic Studies			
7.	OAS214	Integralni katastar zagađivača(uneti naziv na engle			a engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies			
8.	Z309A	Upravljanje čvrstim otpadom(uneti naziv na englesk			engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies			
9.	M3202	Identification and reduction of pollution from ir			n industry	(M30) Energy and Process Engineering, Undergraduate Academic Studies			
10.	ZC047	Waste to energy tehnologies				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
11.	Z452	Design and maintenance of quality control in environmental engineering			n	(M40) Technical Mechanics and Technical Design, Master Academic Studies			
12.	Z508	Specif	ic Design C	onditions in Environment	Protection	(Z20) Envi	ronmental Engineering, Master Academic Studies		
13.	Z511	Institutional Framework for Accidental Risk N		Management	(Z20) Environmental Engineering, Master Academic Studi				
14.	ZR501	Hazardous Materials and Hazardous Waste)	(Z01) Safe	201) Safety at Work, Master Academic Studies			
15.	ZR502			< Assessment		(Z01) Safe	ety at Work, Master Academic Studies		
16.	Z508	sredin	Specifični uslovi projektovanja u zaštiti životi sredine(uneti naziv na engleskom)			. ,	Environmental Engineering, Master Academic Studie		
17.	Z511		diterration and interrational distribution in the interration		ronmental Engineering, Master Academic Studies				
18.	GH508		andfill desing and municipal waste treatmant systems (G00) Civil Engineering, Master Academic Studies		Engineering, Master Academic Studies				
19.	MPK027				enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies				
20.	SZSP21	Design and Planning Processes to Minimize Hazardous Materials			e Waste and	(Z00) Environmental Engineering, Specialised Academic Studies			
21.	ZD052	Efficient Use of Natural Resources and Low- Development			/-Carbon	(Z00) Environmental Engineering, Doctoral Academic Studies			
22.	ZDI23	Materi	al Flow Ana	alysis in Urban Systems		(Z00) Environmental Engineering, Doctoral Academic Studies			
						4			



Study Programme Accreditation

MASTER ACADEMIC STUDIES

	ID	Course name		Study program	me name, study type				
23.	ZSP21			(OM1) Mathematics in Engineering, Doctoral Academic Studies					
		Design and Planning Processes Hazardous Materials	to Minimize Waste and	(Z00) Environmental Engineering, Doctoral Academic Studies					
				(Z01) Safety at	Work, Doctoral Academic S	Studies			
24.	ZRD213	Current state and development to management of work environme	nt	(Z01) Safety at	Work, Doctoral Academic	Studies			
25.	ZRD231	Economic implication of occupati projects implementation	ional health and safety	(Z01) Safety at	Work, Doctoral Academic	Studies			
Rep	oresentative	e refferences (minimum 5, not mor	e than 10)						
1.	Stanisavljević N., Ubavin D., Batinić B., Fellner J., Vujić G.: Methane emissions from landfills in Serbia and potential mitigation strategies: a case study, WASTE MANAGE RES, 2012, ISSN 0734-242X								
2.	Vukmirović G., Vukmirović S., Vujić G., Stanisavljević N., Ubavin D., Batinić B.: Using ANN model to determine future waste characteristics in order to achieve specific waste management targets -case study of Serbia, Journal of Scientific and Industrial Research (JSIR), 2011, Vol. 70, No 07, pp. 513-518, ISSN 0022-4456								
3.	Vujić G., Jovičić N., Maja Đ., Ubavin D., Nakomčić Smaragdakis B., Gordana J., Dušan G.: INFLUENCE OF AMBIENCE TEMPERATURE AND OPERATIONAL - CONSTRUCTIVE PARAMETERS ON LANDFILL GAS GENERATION - CASE STUDY NOVI SAD, Thermal Science - International Scientific Journal, 2010, Vol. 14, No 2, pp. 555-564, ISSN 0354-9836, UDK: 547.211:631.41								
4.	Vujić B., 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. N., Analysis of municipal waste content & waste amount as the basis for the new waste management policy in Vojvodina, Serbia, ISWA/WMRAS World Congress, Singapore: ISWA, 03 06. Novembar, 2008.								
8.	Ubavin D., Vujić G., Stanisavljević N., Batinić B., Mirosavljević Z.: National Methane Emissions from Waste Disposal Sites in Serbia, 1. The ISWA 2012 World Solid Waste Congress, Florence: ISWA, 17-19 Septembar, 2012, pp. 1279-1287, ISBN 978-88-907694-2-9								
9.	Stanisavljević N., Jokanović S., Batinić B., Ubavin D., Vujić G.: Evaluation of Different Waste Management Options for South East Europe, Exemplified for The City of Novi Sad, 1. The ISWA 2012 World Solid Waste Congress, Florence: ISWA, 17-19 Septembar, 2012, pp. 1266-1272, ISBN 978-88-907694-2-9								
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 p	professional activity:						
Quot	ation total :		3						
Total of SCI(SSCI) list papers :			4						
Curre	ent projects	:	Domestic :	3	International :	0			



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Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

		•		•				
					Vujić V. Gora			
	lemic title:				Associate Pro			
						echnical Sciences - Novi Sad		
	ntific or art f	ield:			20.02.1999 Environment	Protection E	Engineering	
	lemic carie		Year	Institution	Linwionment		Field	
	lemic title e		2012	monution			Environment Protection Engineering	
	thesis	lection.	2012	Faculty of Technical Sci	oncos Novi S	ad	Environment Protection Engineering	
			2007	Faculty of Technical Sci			Environment Protection Engineering	
	ster thesis		1998	Faculty of Technical Sci				
		-		,			Mechanical Engineering	
LISU		eing ne		acher in the accredited stu	uy programme	.5		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E0S42	Renev	vable sourc	es and environmental pro	tection		ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies	
							ety at Work, Undergraduate Academic Studies	
	70044	Maril	wine of the	Livian Faviances			an Energy Technologies, Undergraduate	
2.	Z204A	ivionito	oring of the	Living Environment		Academic		
						Studies	ronmental Engineering, Undergraduate Academic	
							ety at Work, Undergraduate Academic Studies	
3.	Z309A	Solid V	Waste Mana	agement			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 Engineering			ineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	Z409A	Hazardous Waste Management and Recycling Technologies			ling	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
7.	OAS214	Integralni katastar zagađivača(uneti naziv na en			a engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	Z101	Uvod i engles		štite okruženja(uneti naziv	' na	(Z20) Environmental Engineering, Undergraduate Academic Studies		
9.	Z205			e prirodnih resursa i sister neti naziv na engleskom)	n zaštite	(Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	Z309A	Upravl	ljanje čvrstii	m otpadom(uneti naziv na	engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	Z401A		tovanje i pla na englesko	aniranje u zaštiti životne s om)	redine(uneti	(Z20) Environmental Engineering, Undergraduate Academic Studies		
12.	Z409A	Upravl	ijanje opasr	nim otpadom(uneti naziv n	a engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
13.	M3202	ldentif	ication and	reduction of pollution from	n industry	Académic		
14.	ZC047	Waste	to energy t	ehnologies		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
15.	Z452	Design and maintenance of quality control in environmental engineering				(M40) Technical Mechanics and Technical Design, Master Academic Studies		
16.	Z508	Specific Design Conditions in Environment Protection		(Z20) Envi	ronmental Engineering, Master Academic Studies			
17.	Z511	Institutional Framework for Accidental Risk Management		(Z20) Envi	ronmental Engineering, Master Academic Studies			
18.	ZR501			als and Hazardous Waste		(Z01) Safe	ety at Work, Master Academic Studies	
19.	Z508			projektovanja u zaštiti živo iv na engleskom)	tne	(Z20) Envi	ronmental Engineering, Master Academic Studies	
20.	GH508			d municipal waste treatma	ant systems	(G00) Civil	Engineering, Master Academic Studies	
21.	MPK012	(MPK) Inženierstvo tretmana i začtite voda - T			enjerstvo tretmana i zaštite voda - TEMPUS(uneti			
22.	MPK014	(MPK) Inženierstvo tratmana i začtite voda - TEMPLIS/U			enjerstvo tretmana i zaštite voda - TEMPUS(uneti			
23.	PIP16	Plastic	s and envir	onmental protection			duction Engineering, Master Academic Studies	
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HAS STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

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	nvironmental projects	(Z00) Environmental Engineering, Specialised Academic Studies					
25.	SZD051	Applications of optimal control theor environment protection	y in living	(Z00) Environm Studies	ental Engineering, Specialis	ed Academic			
26.	SZDI23	Material Flow Analysis in Urban Sys	tems	(Z00) Environm Studies	ental Engineering, Specialis	ed Academic			
27.	SZSP21	Design and Planning Processes to N Hazardous Materials	/inimize Waste and	(Z00) Environm Studies	ental Engineering, Specialis	ed Academic			
28.	ZCM06	Security of strategic energy facilities		(ZC0) Clean En Studies	ergy Technologies, Master A	Academic			
29.	ZD051	Applications of optimal control theor environment protection	y in living	(Z00) Environm Studies	ental Engineering, Doctoral	Academic			
30.	ZDI23	Material Flow Analysis in Urban Sys	tems	(Z00) Environm Studies	ental Engineering, Doctoral	Academic			
	70.040	Models of Economic Evaluation of P	rojects for	(OM1) Mathema Studies	atics in Engineering, Doctora	I Academic			
31.	ZDO42	Environment Protection	.,	(Z00) Environm Studies	ental Engineering, Doctoral	Academic			
32.	ZSP20	Systemic Regulation of Environment	t	(G00) Civil Eng	ineering, Doctoral Academic	Studies			
				(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic			
33.	ZSP21	Design and Planning Processes to M Hazardous Materials	Ainimize Waste and	(Z00) Environm Studies	ental Engineering, Doctoral	Academic			
				(Z01) Safety at	Work, Doctoral Academic St	udies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.		Pešenjanski, I.: Combustion chambe nation in central and Eastern Europe,		International Sym	posium and Exhibition on E	nvironmental			
2.		Marinić, I., Bašić, Đ.: Waste Separati nal Symposium and Exhibition on En							
3.	Serbia&N	Vujić, G.: Environmental due diligenc Iontenegro, Sixth International Sympo Prague 2003.				l Eastern			
4.		ovic.I.A., Vujic,G., Mudric, J.: Special (bition on Environmental Contaminatio				onal Symposium			
5.		Bašić, Đ. Mihajlov, A.: Process of priviland, 16-18 december. 2003.	vatisation and enviror	nment in Serbia ar	nd Montenegro, PSU-UNS c	onference, HAT-			
6.		Vojinović-Miloradov M., Bašić, Đ., Vu se of the good managing in municipa							
7.	,	D., Vujić, G., Bašić, Đ.:Landfill gas ext ronment - ICEE-2005, Novi Sad 19-2		systems; PSU-UN	NS International Conference	On Engineering			
8.	Faculty o	D., Vujić, G., Mihajlov, A., Bašić, Đ.: C f Technical Sciences, Novi Sad, Serb enos Aires, Argentina Ref No 194, Pro	ia and Montenegro, W						
9.	 Marjanović, D., Vujić, G., Mihajlović, V., Ubavin, D.: Selection of Technology and Public Opinion as Key Factors in Regional Landfill Location Selection, PSU-UNS International Conference on Engineering and Environment - ICEE-2007, Phuket May10-11, 2007. Proceedings CD ICCEE2007149 								
10.	Vujić, G ,	Mihajlović, V., Ubavin, D.: Possibilitie eering and Environment - ICEE-2007,				al Conference			
Sur		for teacher's scientific or art and profe							
Quot	Quotation total : 0								
Total	Total of SCI(SSCI) list papers : 0								
-	Current projects : Domestic : 1 International : 1								



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 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

Nam	e and last n	ame:			Vukelić B. Đo	orđe		
Academic title:					Assistant Professor			
starting date:					23.10.2000			
Scier	ntific or art f	ield:		· · · · · · · · · · · · · · · · · · ·	Metrology, Q	uality, Fixtur	es and Ecological-Engineering Aspects	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2010	Faculty of Technical Sci	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
PhD	thesis		2010	Faculty of Technical Scie	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
Magi	ster thesis		2005	Faculty of Technical Science	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
Bach	elor's thesis	8	2000	Faculty of Technical Science	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
List c	of courses b	eing he	d by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	P1401	Fixture	Design an	d Measuring Machines		(P00)Pro Studies	duction Engineering, Undergraduate Academic	
						(P00) Pro Studies	duction Engineering, Undergraduate Academic	
2.	P1508	Reverse Engineering and CAQ					tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
3.	D 200	Magaz				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
З.	P209	Measu	rements ar	lu Quality		(P00) Production Engineering, Undergraduate Academic Studies		
4.	P306	Fixtures				(P00) Production Engineering, Undergraduate Academic Studies		
5.	Z207	Mecha	nical Engin	neering in Environmental E	ingineering	(Z20) Environmental Engineering, Undergraduate Academic Studies		
6.	Z207A	Mecha	nical Engin	eering in Environmental E	ingineering	(Z01) Safety at Work, Undergraduate Academic Studies		
7.	Z301	Polluti	on Measure	ement and Control		l` '	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic	
8.	ZRI441	Materia		systems for environmenta	I and labor	(Z01) Safety at Work, Undergraduate Academic Studies		
9.	II1037			recycling technologies		(I10) Industrial Engineering, Undergraduate Academic Studies		
10.	P322	Introdu	iction to Pro	ecision Engineering		(P00) Pro Studies	duction Engineering, Undergraduate Academic	
11.	ZC036	Measu	rement and	d control of pollution		(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
12.	P1409	Materia	al Control S	Systems and CAI		1	oduction Engineering, Master Academic Studies	
13.	P1501	Ecological Technologies and Systems			Àcadémic			
	74464	Environment Drotection Overlage Management		· /	oduction Engineering, Master Academic Studies			
14.	Z416A	Enviro	nment Prot	ection System Manageme	nt		oduction Engineering, Master Academic Studies	
15.	1907	Autom	ated Assen	nbly Systems for High Acc	uracy	` '	chatronics, Master Academic Studies oduction Engineering, Master Academic Studies	
16.	P321	P321 Reverse Engineering and Rapid Prototyping		2		strial Engineering, Master Academic Studies		
17.	PIP16		tics and environmental protection					
18.	PLIS1		cs and Sim	ulation in Technologies of	Plastics	(PM0) Production Engineering, Master Academic Studies (PM0) Production Engineering, Master Academic Studies		
19.	PP103			d tools in precision engine	ering	(PM0) Pro	oduction Engineering, Master Academic Studies	
20.	SM3			for reverse engineering ar		· /	oduction Engineering, Master Academic Studies	

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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study program	ne name, study type				
21.	SMI003	Software support for cutting tools an	d fixtures modeling	(PM0) Productio	on Engineering, Master Aca	idemic Studies			
22.	SZDH1	Modern Methods of Eco-design		(Z00) Environme Studies	ental Engineering, Speciali	sed Academic			
23.	DM411	Contemporary Approach to Integration Engineering of Rapid Prototyping, To Virtual Manufacturing		(M00) Mechanic	al Engineering, Doctoral A	cademic Studies			
24.	DP001	Design and Research Methods in Pr Engineering	oduction	(M00) Mechanic	al Engineering, Doctoral A	cademic Studies			
25.	DP006	State and development trends of me fixtures	trology, quality and	(M00) Mechanic	al Engineering, Doctoral A	cademic Studies			
26.	DP013	Ecological Engineering Aspects		(M00) Mechanic	al Engineering, Doctoral A	cademic Studies			
27.	DP019	Selected topics in technical diagnosi	s	(M00) Mechanic	al Engineering, Doctoral A	cademic Studies			
28.	ZDH1	Modern Methods of Eco-design		(Z00) Environme Studies	ental Engineering, Doctoral	Academic			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.		Vukelić Đ., Bračun D., Hodolič J., Sol Sensors, 2012, Vol. 12, No 1, pp. 110			from Contact and Optical 3	3D Digitization			
2.		Jeremić B., Todorović P., Vukelić Đ., lements, International Journal of Prec 3.							
3.		Todorović P., Vukelić Đ., Jeremić B.: ing Failure Analysis, 2011, Vol. 18, No		•	n of a polypropylene yarn tv	visting machine,			
4.		Hadžistević M., Hodolič J., Vukelić Đ., , International Journal of Advanced Ma							
5.	burnishin	Todorović P., Lužanin O., Miljanić D., g tool to achieve high-quality surface uring Technology, 2012, ISSN 0268-3	finish, DOI: 10.1007/s						
6.	Mrkajić V urban en	., Stamenković M., Maleš M., Vukelić vironment, Carpathian Journal of Eart	Ð., Hodolič J.: Propo h and Environmental	sal for reducing pr Sciences, 2010, V	oblems of the air pollution ol. 5, No 1, pp. 49-56, ISSN	and noise in the N 1842-4090.			
7.		., Zuperl U., Hodolič J.: Complex sys d Manufacturing Technology, 2009, Vo				urnal of			
8.		., Ostojić G., Stankovski S., Lazarević environment, Assembly Automation, 20				bly/disassembly			
9.	Trifković B., Budak I., Todorović A., Hodolič J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871.								
10.	10. Tadić B., Vukelić Đ., Hodolič J., Mitrović S., Erić M.: Conservative-Force-Controlled Feed Drive System for Down Milling, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 5, pp. 425-439, ISSN 0039-2480.								
Sur	Summary data for teacher's scientific or art and professional activity:								
	Quotation total : 34								
	Total of SCI(SSCI) list papers : 21								
Curre	Current projects : Domestic : 3 International : 3								





Study Programme Accreditation

MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Name	e and last n	ame.			Zuber F. Ninc	slav		
	emic title:	unic.			Assistant Professor			
starting date:					16.03.1998			
	ntific or art f	ield:				structions. 7	Fransport Systems and Logistics	
Acad	emic cariee	er	Year	Institution	-	,	Field	
Acad	emic title el	ection:	2011	Faculty of Technical Sci	ences - Novi Sa	ad	Machine Constructions, Transport Systems and Logistics	
PhD	thesis		2010	Faculty of Technical Sci	ences - Novi Sa	ad	Machine Constructions, Transport Systems and Logistics	
Magi	ster thesis		2000	Faculty of Technical Sci	ences - Novi Sa	ad	Machine Constructions, Transport Systems and Logistics	
Bach	elor's thesis	6	1997	Faculty of Technical Sci	ences - Novi Sa	ad	Machine Constructions, Transport Systems and Logistics	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	s	-	
	ID	Course	e name			Study pro	ogramme name, study type	
1.	M2507	Metho	ds of exper	imental testing of machine	es		chanization and Construction Engineering, uate Academic Studies	
2.		Motol	Structures			(M20) Me	chanization and Construction Engineering, luate Academic Studies	
۷.	M305A	wetar	Structures				chnical Mechanics and Technical Design, luate Academic Studies	
3.	H2501	Motor	Vehicle Eq	uipment		(H00) Mechatronics, Master Academic Studies		
4.	M2508	Metal Constructions in Machine Building					(M22) Mechanization and Construction Engineering, Maste Academic Studies	
5.	M2531	Weigh	ing and Do	sing		(M22) Mechanization and Construction Engineering, Master Academic Studies		
6.	M2540) Vibrodiagnostics				 (H00) Mechatronics, Master Academic Studies (M22) Mechanization and Construction Engineering, Master Academic Studies (M40) Technical Mechanics and Technical Design, Master Academic Studies 		
7.	LIM13	Packa	ging Techn	iques and Packaging		(LIM) Logistic Engineering and Management, Master Academic Studies		
8.	H797	Mecha	tronics in n	nechanization - advanced	topics		chatronics, Master Academic Studies	
				ing and analysis in mecha		, <i>,</i>	chanical Engineering, Doctoral Academic Studies	
9.	DM412		ced topics			(Z01) Safety at Work, Doctoral Academic Studies		
Ren	presentative	reffere	nces (minin	num 5, not more than 10)				
1.	Zuber N.,	Bajric F	R., Karic S.	, ,			al beater wheel mill, TTEM. Tehnics tehnologies	
2.	Zuber N.,	Šostak	ov R., Bajri	ć R.: Application of vibrat	ion signal analy	sis and arti	ficial intelligence methods in fault identification of Vol. 6, No 1, pp. 3-10, ISSN 1840-1503	
3.				:An innovative approach nagement, 2010, Vol. 5, N			g of excavators in open pits mines, Technics 1503	
4.	 Bajrić R., Baričak V., Delalić S., Muratović P., Zuber N.: INVESTIGATION OF POSSIBLE RESONANT PROBLEMS DURING 4. BEATER WHEEL MILL OPERATION, Technics Technologies Education Management, 2010, Vol. 5, No 1, pp. 32-37, ISSN 1840- 1503 							
5.				ostakov: Implementation c a, pp. 141-148, ISSN 198		ninery remot	te monitoring, Second Conference "Maintenance	
6.	6. Ninoslav Zuber: Application of artificial inteligence methods in automated vibrodiagnostics of rotating machines in mining industry – a case study, 4th International Conference "Noise and Vibration"2012, Niš, Serbia, pp 193-202, ISBN: 978-86-6093-042-4							
7.	Ninoslav Zuber: Roller elements bearing vibrodiagnostics, 4th International Conference "Noise and Vibration"2012, Niš, Serbia, pp 185-192, ISBN: 978-86-6093-042-4							
8.				Milićević A.: Applied Rem Vol. 7, No 25, pp. 31-40,			f the bucket wheel excavator, Journal of Applied	

SITAS STUDIO UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 **Study Programme Accreditation** MASTER ACADEMIC STUDIES Technical Mechanics and Technical Design Representative refferences (minimum 5, not more than 10) Zuber Ninoslav, Ličen Hotimir, mlađi: Mogućnosti primene metoda veštačke inteligencije u automatizaciji vibrodijagnostičkih 9 metoda, Tehnička dijagnostika, vol. 10, br. 2, pp. 9-16, 2011, UDC: 62-51:612.321.12, ISSN 1451-1975 Ninoslav Zuber, Hotimir Licen, Patrice Dannepond: PREDIKTIVNO ODRŽAVANJE OPREME NA BAZI MERENJA I ANALIZE 10 VIBRACIJA: TIPOVI, STRATEGIJE UVOĐENJA I PRIMENE, PRIMER, Power Plants 2006, Vrnjacka Banja, Srbija: 2006, Summary data for teacher's scientific or art and professional activity: Quotation total 0 Total of SCI(SSCI) list papers : 4 1 0 Current projects : Domestic : International :



ST.

 Study Programme Accreditation

 MASTER ACADEMIC STUDIES
 Technical Mechanics and the studies of th

Technical Mechanics and Technical Design

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						Zuković M. Miodrag		
						Assistant Professor		
					Faculty of Technical Sciences - Novi Sad			
	ntific or art f	ield:			01.12.1995 Mechanics			
	emic cariee		Year	Institution	Weenames		Field	
	emic title el		2009	Faculty of Technical Sci	oncos Novi S	ad	Mechanics	
	thesis		2009	Faculty of Technical Sci			Mechanics	
	ster thesis		2000	Faculty of Technical Sci			Mechanics	
-	elor's thesis		1994	Faculty of Technical Sci			Mechanics	
		-		acher in the accredited stu			Weenanies	
						.5		
	ID	Course	e name			Study pro	gramme name, study type	
1.	IAKI01	Select	ed Chapter	s in Kinematics		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
2.	M103	Macha	anics 1			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
۷.	101103	Mechanics 1					chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Prod Studies	duction Engineering, Undergraduate Academic	
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
	1407	N 4 h -	Mechanics 2			 (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 		
3.	M107	Mecha						
						(P00) Production Engineering, Undergraduate Academic Studies		
		Mechanics 3				(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
	M201					(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M201	Mecha				· /	chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
5.	M2411	Theory of Oscillation					hnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
6.	M4301	Computer Methods in Mechanics					hnical Mechanics and Technical Design, uate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
7.	Z108	Funda	mentals of	Mechanics		· · ·	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies	
						(Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	BMI127	Biomo	chanics			(BM0) Biomedical Engineering, Undergraduate Academic Studies		
0.		Biomechanics				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
9.	M44061	Optimization of mechanical systems					chnical Mechanics and Technical Design, uate Academic Studies	



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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

List o	List of courses being held by the teacher in the accredited study programmes								
	ID	D Course name Study programme name, study type							
10.	BMIM4A	Transport phenomena and Living sy	stems	(BM0) Biomedic	al Engineering, Master Aca	demic Studies			
11.	M45021	Computer Methods in Mechanics 2		(M40) Technica Academic Studie	l Mechanics and Technical	Design, Master			
12.	DTM01	Computer Methods in kinematics an mechanical systems	d dynamics of	(M40) Technica	I Mechanics, Doctoral Acad	emic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.		M. and Cveticanin, L.: Chaotic Respo 2007, Vol. 13, No. 6, str. 751- 767, ISS		ng System of Non	i-ideal Type, Journal of Vibr	ation and			
2.	Zukovic,N 1229–124	И., Cveticanin,L., Chaos in non-ideal r 46, 2009	nechanical system wit	h clearance, Jour	nal of Vibration and Control	, 15(8):			
3.		Zuković, TORZIONE PARAMETARSK ENJEM, Magistarska teza, Novi Sad, :		IDRIČNOG ZUPČ	ASTOG PARA SA EVOLVI	ENTNIM			
4.		/., NELINEARNE TORZIONE OSCIL je MMA 2000, Novi Sad, 08.juna 2000		PRENOSNICIM	A, VII Međunarodna konfere	encija fleksibilne			
5.		M., Radomirović, D. Kuzmanović, S.: onstruisanju, oblikovanju i dizajnu KOI				uktora, Drugi			
6.		ović, D., Zuković. M., Gligorić, Radojka /ol.7, No.4, Novi Sad, Decembar, 200		iba i mase prikolio	ce na kretanje traktora, Trak	ktori i pogonske			
7.		M., Radomirović, D. Rakarić, Z.: Nelin ENCIJA FLEKSIBILNE TEHNOLOGI				IARODNA			
8.		ović, D., Maretić, R., Zuković. M.,: UN Godina 27(2003), broj 1, strana 119-12		IATE RAVANSKI	H KRIVIH U MEHANICI, Le	topis naučnih			
9.		ović, D., Gligorić, Radojka, Zuković. M .4, Novi Sad, Novembar, 2003, str.12		i jednoosovinskor	n prikolicom, Traktori i pogo	onske mašine,			
10.	M. Zuković and Z. Rakarić : Steady state vibration of mechanical system with electric motor and nonlinear spring, Book of Abstracts, The First International Conference on COMPUTATION MECHANICS, Belgrade (CM'04), Serbia and Montenegro, November, 15-17, 2004., 31								
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
	ation total :		0						
	(CI) list papers :	7						
Curre	Current projects : Domestic : 1 International : 0								



Study Programme Accreditation



MASTER ACADEMIC STUDIES

Technical Mechanics and Technical Design

Academic title: Assistant Professor Name of the institution where the teacher works full time and Eaculy of Technical Sciences - Novi Sad Intervention Scientific Sciences - Novi Sad Academic career Year Institution Field Academic career Year Institution Field Academic career Year Institution Mechanics PhD thesis 2012 Faculty of Technical Sciences - Novi Sad Mechanics Bacherio's thesis 2004 Faculty of Technical Sciences - Novi Sad Mechanics List of courses being held by the teacher in the accredited study programme Course name Study programme name, study type Li GG15 Strength of Materials (G00) Civil Engineering, Undergraduate Academic Studie 3 H112 Mechanics 1 - Fundamentals (G00) Civil Engineering, Undergraduate Academic Studies 4 H201 Mechanics 2 - General (H00) Mechatronics, Undergraduate Academic Studies 5 H202 Strength of Materials (H00) Mechatronics, Undergraduate Academic Studies 6 H303 Mechanics 3 - Further Chapters (H00) Mechatronics, Undergraduate Academic Studies	Nor	and least -	amor			Žiaić M. Micd	r00			
Name of the institution where the teacher works full time and starting date: Faculty of Technical Sciences - Novi Sad Startific or at field: Mechanics Academic tile decident. 2012 Academic tile decident. 2012 Prob thesis 2008 Startific or at field: Mechanics Academic tile decident. 2012 Faculty of Technical Sciences - Novi Sad Mechanics Magister thesis 2008 Courses being field by the teacher in the accredited study programmes ID Course anne						-				
starting date: 110.2007 Scientific or art field: Mechanics Academic carleor Year Institution It is decision It						F H CT		nces - Novi Sad		
Scientific or art field: Mechanics Academic tile decision: 2012 Faculty of Technical Sciences - Novi Sad Mechanics Magister thesis 2008 Faculty of Technical Sciences - Novi Sad Mechanics Magister thesis 2008 Faculty of Technical Sciences - Novi Sad Mechanics Magister thesis 2004 Faculty of Technical Sciences - Novi Sad Mechanics List of courses being held by the teacher in the accredited study programmes Imagination GG00 Civil Engineering, Undergraduate Academic Studie 2. GG410 Selected Chapters in the Theory of Elasticity (G00) Civil Engineering, Undergraduate Academic Studies 3. H112 Mechanics 2 - General (H00) Mechatronics, Undergraduate Academic Studies 5. H202 Strength of materials (H00) Mechatronics, Undergraduate Academic Studies 6. H303 Mechanics 2 - General (H00) Mechatronics, Undergraduate Academic Studies 7. M204 Strength of Materials (H00) Mechatronics, Undergraduate Academic Studies 8. M4302 Biomechanics and mechanics of sport (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies <						,				
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7. M204 Strength of Materials (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies 7. M204 Strength of Materials (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 8. M4302 Biomechanics and mechanics of sport (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 9. M4306 Similarity and dimensional methods (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 10. BM1128 Continuum Biomechanics (BM0) Biomedical Engineering, Undergraduate Academic Studies 11. II1004 Mechanics and Industrial Engineering (I10) Industrial Engineering, Undergraduate Academic Studies 12. M44061 Optimization of mechanical systems (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 13. M4504 Thermal Elasticity (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 14. BMIM4A Transport phenomena and Living systems (BM0) Biomedical Engineering, Master Academic Studies 15. M45091 Biomechanics of cardiovascular system (M40) Technical Mechanics, Doctoral Academic Studies 16. SZD051 Applications of optimal controt theory in living environmental Engineering			Streng	th of mater	ials		, ,			
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	Representative refferences (minimum 5, not more than 10)									
	1.	1. N. M. Grahovac, M. M. Zigic: Modelling of the hamstring musle group by use of fractional derivatives, Computers and Mathematics with applications, Vol. 59, Issue 5 (2010), 1695-1700.								



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



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Re	Representative refferences (minimum 5, not more than 10)							
2.	N. Grahovac., M. Žigić, D. Spasić, On impact scripts with both fractional and dry friction type of dissipation, International Journal of Bifurcation and Chaos, Vol. 22, No 4 (2012), 1250076 (10 pages).							
3.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180, UDK: 531/534(082), ISBN 978-86-909973-0-5.							
4.	M. M. Žigić, N. M. Grahovac and D. T. Spasić: A simplified earthquake dynamics of a column like structure with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 165- 172, UDK: 531/534(082), ISBN 978-86-909973-0-5.							
5.	Grahovac N., Žigić M: Fractional derivative viscoelastic model of the hamstring muscle group, 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey: 05-07 november, 2008.							
6.	M. M. Zigic, Viscoelastic response of the human hamstring muscle during a ramp-and-hold type of experiment, 2nd International Congress of Serbian Society of Mechanics, Palic: Serbian Society of Mechanics, 01-05 June, 2009, str. 165-173, UDK: 531/534(082), ISBN 978-86-7892-173-5.							
7.	Grahovac N., Žigić M., Spasić D.: On impact s Fractional Differentiation and Its Applications, E			ion type of dissipation, 4.	IFAC Workshop on			
8.	Žigić M., Grahovac N.: Dynamical behavior of International Congress of Serbian Society of M UDK: 531/534(082)							
9.	Bačlić B., Žigić M., Phase spaces of rheonomic Applied Mechanics, 1-3 June, 2005.	energy-like conserva	ition laws, 25th `	rugoslav Congress on Th	heoretical and			
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov`s Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3							
Su	Summary data for teacher's scientific or art and professional activity:							
	tation total :	5						
	I of SCI(SSCI) list papers :	2	1.					
Current projects : Domestic : 1 International : 0								



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

Study Programme Accreditation

Technical Mechanics and Technical Design



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. Lectures at this study programme is realized in two shifts, so the required minimum of space 2m2 per student is met.

There is also an adequate equipment of all courses with the appropriate textbook literature, devices and supplementary equipment available on time and in a sufficient number for normal performance of the teaching process. Likewise, the Faculty of Technical Sciences has its own library, with well equipped and for this study programme adequate library funds. The adequate information technology is also available for performing the study programme.



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

STATE TO BE

MASTER ACADEMIC STUDIES Technical Mechanics

Technical Mechanics and Technical Design

Standard 11. Quality Control

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

The quality control process comprises the continual monitoring of the quality of lecturing and the quality of resources necessary for the successful efficiency of undergraduate studies. Quality control bodies are the following: Board for Quality and Self-Evaluation, Committee for Quality and Committee for Undergraduate Studies Quality with undergraduate studies study programme executives-in-charge.

The study programme quality is evaluated on the basis of lecturers' competence, students' participation and involvement in scientific and research projects, resource wealth (contemporariness of equipment, contemporariness of available literature in libraries and bases), and the number of scientific publications realized during studies.

During the quality control of a study programme, the active role of students and their evaluation of the programme quality are also provided.

Quality monitoring is performed by a Committee consisting of Heads of Departments involved in study programme realization and one student from each academic year.

Quality Committee consists of: 1.Prof. Mila Stojaković, PhD 2.Prof. Srboljub Simić, PhD 3.Prof. Dragoje Milkić, PhD 4.Prof. Bela Sabo, PhD 5.Prof. Đorđe Lađinović, PhD

6.Prof. Vladimir Katić. PhD

7.Prof. Mirana Miloradov-Vojinović, PhD

8.Prof. Miroslav Plančak, PhD

9. Prof. Jovan Vladić, PhD

10.Prof. Miroslav Prša, PhD

11.Marina Railić, student

12.Sanja Cvetinović, student