ANTERS STUDIORUM

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



Study Programme Accreditation

Energy and Process Engineering

STUDY PROGRAMME ACCREDITATION MATERIAL:

ENERGY AND PROCESS ENGINEERING

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad 2012. Prevod sa srpskog jezika:

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



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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering



Programme name	Energy and Process Engineering
Independent higher education institution where the programme is being executed	University of Novi Sad
Higher education institution where the programme is being executed	Faculty of Technical Sciences
Educational-scientific/educational-art field	Technical-Technological Science
Scientific, proffesional or art field	Mechanical Engineering
Type of studies	Undergraduate Academic Studies
Study scope, expressed in ECTS	249-253
Academic degree, abbreviation	Bachelor with Honours in Mechanical Engineering, B.Mech.Eng.
Study length	4
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	108
Planned number of students to be enrolled in this programme	200
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2008
Web address containing programme information	http://www.ftn.uns.ac.rs



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Standard 00. Introduction

In terms of education, Energy and Process Engineering should be viewed as a study programme developed in response to the indicated needs from the practice. The programme should enable students to understand basic physical principles in different technical fields to the adequate extent, to acquire necessary theoretical knowledge, as well as to master specific professional knowledge for the implementation of modern technical systems.



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Study Programme Accreditation
UNDERGRADUATE ACADEMIC STUDIES
Energy and

Energy and Process Engineering

Standard 01. Programme Structure

The name of the study programme is Energy and Process Engineering. Academic title acquired is Bachelor with Honors in Mechanical Engineering. The outcome of the studying process is the knowledge which enables students to use professional literature, apply knowledge to the problems which occur in the profession, and enables the continuation of the studies if students decide so.

The study programme prerequisite for the enrolment is to complete high school and pass the entrance examination. The entrance examination has an objective to test knowledge in mathematics (valued by max. 60 points). The entrance examination is considered passed if the candidate wins at least 14 points.

Undergraduate academic studies in Energy and Process Engineering last four years. Students have obligatory and elective courses within the study programme. Elective courses are chosen from the group of suggested courses. In doing so, certain prerequisites must be met in order to attend elective course lectures.

The course consists of lectures and practice. During the lectures theory is presented using the adequate didactic tools accompanied by necessary explanations which contribute to the better understanding of the lectured material.

During the practice, which accompanies lectures, specific problems are solved and examples which additionally illustrate theory are presented. Practice gives additional explanation of the matter being taught during the lectures. Practice may be auditory, laboratory, computer or computing. Part of the Practice may be carried out in the factories or other institutions.

The group size is determined based on the practice character. Student obligations during Practice may consist of: writing the term papers and homework assignments, project work, term and graphic papers, where each student activity during the teaching process is monitored and valued according to the adopted rules at the Faculty level. The number of won points is presented in accordance with the unique methodology and represents the student load.

Each course is worth certain number of ECTS credits, and the studies are completed when the student fulfils all obligations predicted by the study programme and collects at least 240 ECTS in the process.



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Study Programme Accreditation

Energy and Process Engineering

Standard 02. Programme Objectives

UNDERGRADUATE ACADEMIC STUDIES

The purpose of the Study Programme is the education of students for the profession of Bachelor in Mechanical Engineering in accordance with the needs of society.

The undergraduate academic studies in Energy and Process Engineering are designed to provide the acquisition of competences and qualifications that are socially justified and useful. Faculty of Technical Sciences defined tasks and goals for educating highly competent personnel in the field technical sciences. The purpose of the Study Programme of Energy and Process Engineering is completely in accordance with the goals of the Faculty of Technical Sciences.

Graduated engineers of Energy and Process Engineering– Bachelors are educated by realization of the study programme designed in this way and possess competences in the European and worldwide circles.



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UNDERGRADUATE ACADEMIC STUDIES Energy and

Energy and Process Engineering

Standard 03. Programme Goals

The objective of the study programme is to achieve student's scientific competencies and academic skills in the field of Energy and Process Engineering. Besides others it includes the development of creative abilities and the ability of critical thinking, especially the development of teamwork skills and the mastering of specific practical skills necessary for the profession.

The objective of the study programme is to educate an expert who possesses necessary knowledge in basic theoretic disciplines (mathematics, mechanics...) in Energy and Process Engineering, electrical engineering, automatic control, programming and modern information technologies.

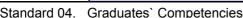
One of the specific objectives in accordance with educational objectives of experts at the Faculty of Technical Sciences is to develop students` awareness of the need for permanent education, the sustainable development and the environmental protection. The objective of the study programme is also to educate experts in the domain of the teamwork, as well as to develop the ability to present and demonstrate their results to the professional, wider public.



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Study Programme Accreditation

Energy and Process Engineering



UNDERGRADUATE ACADEMIC STUDIES

Graduated students of the undergraduate academic studies in Energy and Process Engineering are competent and qualified to solve real problems in the practice, to do research, as well as to continue education.

The competences include, above all, the development of the ability for critical thinking, ability of problem analysis, solution methods, and behaviour prediction of the chosen solution with the clear idea of good and bad sides of the chosen solution.

When it comes to the specific capabilities of students, mastering the study programme of the undergraduate studies in Energy and Process Engineering, the students acquires detailed knowledge and understanding of all disciplines of the corresponding professions, as well as the ability for solving specific problems using engineering methods and procedures. Considering the interdisciplinary character of the study programme, it is especially important to be able to connect basic knowledge in different fields with their application. Graduated students of Energy and Process Engineering are able to adequately do research, write and present their work results.

Graduated students from this level of study possess competences for the application of knowledge in the practice, research, monitoring and application of the novelties in practice, as well as for the cooperation with local, social and international surrounding.

Students are enabled to do research, develop, design, organize, and manage processes, equipment and entire plants in the field of Energy and Process Engineering.

Graduated students from the undergraduate academic studies in Energy and Process Engineering acquire knowledge on how to economically use available natural resources in accordance with the sustainable development principles. Special emphasis is placed on the development of the teamwork ability and the development of professional ethics.



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Study Programme Accreditation

Energy and Process Engineering



Standard 05. Curriculum

The curriculum of undergraduate academic studies in Energy and Process Engineering is designed to satisfy all defined goals. The structure of the study programme provides about 15% of academic general courses, about 20% of theoretical-methodological courses, about 35% of scientific-professional courses, and about 30% of professional-application courses. The condition that elective courses be present with 20% of ECTS credits is also satisfied.

All courses last one semester and carry a certain number of points where one point corresponds to about 30 hours of student activities. The order of the courses in the study programme is such that the knowledge necessary for the advanced courses is previously acquired in the already lectured courses. The curriculum includes the description of each course containing the name, type of article, year and semester, the number of ECTS credits, the name of the teacher, the course aims with expected outcomes, knowledge and competencies, prerequisites for attending the course, course content, recommended literature, methods of teaching, the way of knowledge testing and assessment and other data.

The study program is consistent with European standards in terms of conditions of enrolment, duration of study, conditions of transition to the next year, graduation, and modes of study. An integral part of the curriculum of Energy and Process Engineering is a professional practice and practical work of 45 hours, which can be done in the relevant enterprises in the country and abroad.

A student is completing his/her studies by elaboration of the bachelor thesis, which consists of theoretical and methodological preparation necessary for in-depth understanding of the chosen field for writing bachelor thesis.

Prior to the defence of the paper, a candidate has to pass the theoretical and methodological foundations in front of the mentor. The final assessment of the Bachelor thesis is performed on the basis of the passed theoretical and methodological preparation and elaboration evaluation and defence of the thesis itself. Bachelor thesis is defended before a committee consisting of at least three professors.



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:	:								
Course	id:	M102				Mathematics	1		
Number	r of ECTS:	7							
Teache	rs:		Teofanov Đ.	Ljiljana, Niko	lić M. Alek	sandar, Mihailović P. Bilja	ana		
Course	status:		Mandatory						
Number	r of active teac	hing classes	s (weekly)						
L	ectures:	Practical of	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	3	3		0		0		0	
Precond	dition courses	-		None		•			
1. Educ	ational goal:								
Enablin	g students for	abstract thir	king, genera	alization and a	acquisition	of mathematical knowled	ge for technical appli	cation.	
2. Educ	ational outcom	es (acquire	d knowledge):					
The stu	dent is able to	apply mathe	ematical mod	dels in profess	sional cou	rses.			
				•					
3. Cours	se content/stru	icture:							
plane. N		ations, inver	se matrix). F	olynomials a		Cramer`s rule, Gauss alg I functions. Number sequ			
4. Teac	hing methods:			. ,					
Lecture	s and practice	are auditory	with calcula	ition. Partial e	examinatio	ns (colloquia) are taken a	fter bigger chapters.		
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obligati	ons	Mandatory	Points	Final ex	am	Mandatory	Points
Exercise	e attendance			Yes		Final exam - part one		Yes	35.00
	attendance			Yes		Final exam - part two		Yes	35.00
Test				Yes	10.00				
Test				Yes	10.00				
	-					ature		1	X
Ord.	-	uthor	niá Moto	notiko iodor	Title		Publishe	er	Year 2002
1,	Jovanka Niki T.Grbić, S. L		ıkić	natika jedan,			Stylos d.o.o.		
2,	J. Pantović,N	I. Sladoje, L	. T		ataka iz m	atematike jedan	FTN Novi Sad		2004
3,	Nevenka Adž	źić	Mater	natika 1			CMS, FTN Novi Sa	d	2011



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Study Programme Accreditation

Energy and Process Engineering

Course:												
Course i	d:	M103	Mechanics 1									
Number	of ECTS:	5										
Teachers	s:		Cvetićanin J. Livija, Zuković M. Miodrag									
Course s	status:		Mandatory	<i>l</i> andatory								
Number	mber of active teaching classes (weekly)											
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
	2	2	2	0		0		0				
Precondi	ition courses	•		None		•						
1. Educa	ational goal:											
						d as a foundation for stud he ability of three-dimens						
2. Educa	ational outcom	nes (acquire	ed knowledg	ge):								
Acquisitio	on of knowled	lge necess	ary for the n	mechanical engi	neer.							
3. Cours	e content/stru	icture:										
relations Force de Theorem system o cylindrica Crossed Invariant the equil Example 30. The e	hips. Relation ecomposition in on three no of forces and t al surface. 17 forces. 21. M of an arbitrar ibrium exister is. 36. Equilib elementary sh	nships and into three r on-parallel torques. Ba . Rolling fri lomentum of ry system c nce. 27. Ec rrium of ho nift of the b	relationship on-parallel forces in th lance condi- ction. Torqu of the axis. 2 f forces and uilibrium of mogeneous ody points.	p reactions. 7. / components in the plane. 11. St itions. 14. Balar us friction. 18. S 22. Spatial syste d torques in spa a homogeneou line. Examples Elementary ang	Addition of the plane, atic deten nee of the patial cor- ems of for ce. 25. Ad s three-di a. 29. Ana gle of bod	Achanical action. Torque of intersecting forces. 8. I 9. Confronted system of minacy and indetermina rigid body planar system. offronted system of forces ces and torques. 23. Red ddition of two parallel forc imensional body. Exampl lytical statics. Small movy y rotation. 31. Elementary of the equilibrium position	Force decomposition forces in the plane. E locy. 12. Momentum f 15. Sliding friction. 1 Balance. 19. Adding ucing torsions on dyr es. 26. Rigid body ec es. 28. Equilibrium of ement. The number of work of force. Eleme	into two com Balance condi for a point. 13 6. Rope friction torques. Bal- namo. Central quilibrium. The homogeneous of degrees of	ponents. tions. 10. 3. Planar on on the ance. 20. axis. 24. e proof of us plates. freedom.			
	ing methods:			,		<u> </u>						
	U		tice is audite	ory and computi	ing.							
				Knowledge e	valuation	(maximum 100 points)						
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Exercise	attendance			Yes		Written part of the exam	- tasks and theory	Yes	15.00			
Lecture a	attendance			Yes	15.00	Coloquium exam		Yes	40.00			
						Oral part of the exam		Yes	15.00			
						ature						
Ord.		uthor			Title	9	Publishe		Year			
	Đ. Đukić, L. (Stat				FTN Novi Sad		2006			
2,	I. Kovačić, Z.	Rakarıć	Stat	tika - Zbirka zad	ataka		FTN Novi Sad		2006			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:															
Course	id:	M105			N	lechanical Mate	erials									
Numbe	r of ECTS:	8														
Teache	er:		Gerić D. Kata	ierić D. Katarina												
Course	status:		Mandatory													
Number of active teaching classes (weekly)																
L	ectures:	Practical	classes:													
	4	()	3 0 1												
Precon	Precondition courses None															
1. Educ	ational goal:															
Acquisi	tion of basic kr	nowledge ir	n the field of s	cience on mat	terials and	materials used in mecha	nical engineering.									
2. Educ	cational outcom	nes (acquire	ed knowledge):												
	ed knowledge i It mechanical p			ionship betwe	een charac	teristics and properties of	of materials and app	lication of ma	aterials in							
3. Cour	se content/stru	icture:														
phase of strength metal n copper properti materia	diagrams, one hening and fra naterial prope and aluminiun ies and applica lls.	-, two- and icture. Clas rties. Impo n, propertie ation. 4. Co	three- composification and rtance of me es and applica	onent system d characterist chanical prop ation. 2. Cera	s. Phase tr ics of engi perties and mic materia	ansformations liquid/soli neering materials: 1. Me their experimental dete als – structure, propertie	d and solid/solid. M tal materials. Impac rmination. Metal ma s and application. 3	Introduction about materials in general. Dependency of material properties from atomic, crystal micro and macro structures. Characteristic of atomic and crystal material structures. Imperfections (errors) in crystals. Crystal plasticity. Theory of alloying. Characteristic types of phase diagrams, one-, two- and three- component systems. Phase transformations liquid/solid and solid/solid. Mechanisms of material strengthening and fracture. Classification and characteristics of engineering materials: 1. Metal materials. Impact of microstructure on metal material properties. Importance of mechanical properties and their experimental determination. Metal materials based on iron, copper and aluminium, properties and application. 2. Ceramic materials – structure, properties and application. 3. Polymers – structure, properties and application. 4. Composite materials (nano, micro, and macro composite materials). Properties and application. Selection of materials.								
4. Teac	hing methods:							4. Teaching methods:								
followe	d by typical e	The course is interactive in the form of lectures and laboratory practice. During lectures theoretical part of the course is presented and followed by typical examples for better understanding. During laboratory practice, acquired knowledge is applied on the available														
laboratory equipment. Besides lectures and practice, consultations are held on a regular basis.																
Knowledge evaluation (maximum 100 points)						pratory practice, acquire s are held on a regular	d knowledge is ap									
	Pre-examina		lectures and	erstanding. D practice, co	Ouring labor	pratory practice, acquire s are held on a regular	d knowledge is ap basis.									
Laborat	Pre-examina tory exercise a	ation obliga	lectures and	erstanding. D practice, co Knowledge e	Ouring labor nsultations evaluation (Points	pratory practice, acquire s are held on a regular maximum 100 points)	d knowledge is ap basis.	plied on the	available							
		ation obliga	lectures and	erstanding. D practice, co Knowledge e Mandatory	During labo nsultations evaluation (Points 5.00 (pratory practice, acquire s are held on a regular maximum 100 points) Final ex	d knowledge is ap basis.	plied on the Mandatory	available Points							
	tory exercise a attendance	ation obliga	lectures and	erstanding. E practice, co Knowledge e Mandatory Yes	During labo nsultations evaluation (Points 5.00 (pratory practice, acquire s are held on a regular (maximum 100 points) Final ex Coloquium exam	d knowledge is ap basis.	Mandatory Yes	available Points 20.00							
Lecture	tory exercise a attendance	ation obliga	lectures and	erstanding. E practice, co Knowledge e Mandatory Yes Yes	Ouring labornsultations evaluation (Points 5.00 (5.00 (pratory practice, acquire s are held on a regular (maximum 100 points) Final ex Coloquium exam	d knowledge is ap basis.	Mandatory Yes	available Points 20.00							
Lecture Term pa	tory exercise a attendance	ation obliga	lectures and	erstanding. E practice, co Knowledge e Mandatory Yes Yes Yes	Ouring labo nsultations evaluation (Points 5.00 (5.00 (10.00	oratory practice, acquires are held on a regular (maximum 100 points) Final ex Coloquium exam Dral part of the exam	d knowledge is ap basis.	Mandatory Yes	available Points 20.00							
Lecture Term pa	tory exercise a e attendance aper	ation obliga	lectures and	erstanding. E practice, co Knowledge e Mandatory Yes Yes Yes	During labor nsultations evaluation Points 5.00 5.00 10.00 10.00	oratory practice, acquires are held on a regular (maximum 100 points) Final ex Coloquium exam Dral part of the exam	d knowledge is ap basis.	Mandatory Yes Yes	available Points 20.00							
Lecture Term pa Test	tory exercise a e attendance aper A	ation obliga ttendance	tions	erstanding. E practice, co Knowledge e Mandatory Yes Yes Yes	During labor nsultations evaluation Points 5.00 0 10.00 10.00 Litera Title	oratory practice, acquire s are held on a regular (maximum 100 points) Final ex Coloquium exam Dral part of the exam ture	d knowledge is ap basis. am	Mandatory Yes Yes	Points 20.00 50.00							
Lecture Term pa Test Ord.	tory exercise a e attendance aper A L. Šiđanin, K	ation obliga ttendance uthor . Gerić	tions Mašin	erstanding. E practice, co Knowledge e Mandatory Yes Yes Yes Yes Yes	During labor nsultations evaluation Points 5.00 0 5.00 10.00 10.00 Litera Title I - sveska	oratory practice, acquires are held on a regular (maximum 100 points) Final ex Coloquium exam Oral part of the exam ture	d knowledge is ap basis. am Publishe	Mandatory Yes Yes	Points 20.00 50.00 Year							
Lecture Term pa Test Ord. 1,	tory exercise a e attendance aper A L. Šiđanin, K L. Šiđanin, K	ation obliga ttendance .uthor . Gerić . Gerić	lectures and tions Mašin Mašin	erstanding. E practice, co Knowledge e Mandatory Yes Yes Yes Yes Ski materijali	During labor nsultations evaluation (Points 5.00 (5.00 (10.00 10.00 Litera Title I - sveska 1 I - sveska 2	ture	d knowledge is ap basis. am Publishe FTN, Novi Sad	Mandatory Yes Yes	Points 20.00 50.00 Year 2007							
Lecture Term pa Test Ord. 1, 2,	tory exercise a e attendance aper A L. Šiđanin, K L. Šiđanin, K L. Šiđanin, K	ation obliga ttendance .uthor . Gerić . Gerić	lectures and tions Mašin Mašin Mašin	erstanding. E practice, co Knowledge e Mandatory Yes Yes Yes Yes ski materijali ski materijali	During labor nsultations evaluation (Points 5.00 (5.00 (10.00 10.00 Litera Title I - sveska 1 I - sveska 2	ture	d knowledge is ap basis. am Publishe FTN, Novi Sad FTN, Novi Sad	Mandatory Yes Yes er Beograd	Points 20.00 50.00 Year 2007 2007							



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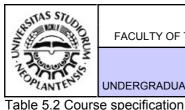


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:		Eurodomontals of Computer Science											
Course	id:	M111		Fundamentals of Computer Science									
Number	of ECTS:	2											
Teache	rs:												
Course	status:		Mandatory	у									
Number	of active teac	hing classe	es (weekly)	l.									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:				
	0	C)	2		0		0					
Precond	lition courses			None		•							
1. Educ	ational goal:												
Enabling	g students to v	vork on the	basic softw	ware for general	purposes								
2. Educ	ational outcom	nes (acquire	ed knowled	lge):									
	d knowledge is anical enginee		or more ma	ssive use of com	nputers, e	specially for the group of	courses based on the	computer a	pplication				
3. Cours	se content/stru	icture:											
Microso	ft Word. Sprea	adsheet so	ftware Micr	rosoft Excel. Pre	sentation	als of operating system design software Microso ramming in Visual Basic.	ft PowerPoint. Interne	Text editing	software cepts and				
4. Teac	hing methods:												
are take		tice, and ar				ring practice students han the state of the students has to pass all three co							
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examina	tion obligation	tions	Mandatory	Points	Final ex	kam	Mandatory	Points				
Homew	ork			Yes	30.00	Written part of the exam	- tasks and theory	Yes	70.00				
					Liter	ature							
Ord.		uthor			Title		Publishe	r	Year				
1,	Luković I., St Rakić M., Ste			nove računarskił ručnik za vežbe	n tehnolog	jija i programiranja,	FTN, Novi Sad		2002				
2,	Krsmanović (vić Osi	novi računarstva	, priručnik	za vežbe – skripta	FTN, Novi Sad		2005				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course: Chemistry in Mechanical Engineering Course id: Z151 Number of ECTS: 4 Teachers: Kiurski S. Jelena, Radonić R. Jelena, Turk-Sekulić M. Maja Course status: Mandatory Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 2 0 2 0 0 Precondition courses None 1. Educational goal: Introducing students of technical profession to the basic principles and chemistry laws. 2. Educational outcomes (acquired knowledge): Acquiring basic knowledge in the field of general, organic and inorganic chemistry and understanding all the processes and phenomena of chemical reactions in the technical sciences. Course content/structure: Mole, Molar mass. Absolute mass of atom and molecule. Molar volume. Chemical reactions, stoichiometry. Classification of elements and periodic table of elements. Basic chemical laws. Atom structure. Structure of pure substances. Chemical bonds. Intermolecular bonds. Structure of molecules. Dispersed systems. Solutions. Types and characteristics of inorganic compounds. Types and characteristics of organic compounds. Chemical kinetic. Chemical equilibrium. Electrolyte dissociation. Dissociation of water. pH value. Oxidation reduction processes. Corrosion. Corrosion processes and corrosion protection. Thermodynamic and kinetic aspects of catalysis. Termochemistry. Fuels and lubricants. 4. Teaching methods: Lectures. Laboratory and Computing Practice. Consultations - individual and group. During semester students are required to attend lectures, laboratory and computing practice. After successfully realized examination prerequisites, students take the final exam in written form, which consists of computational and theoretical part. Computational part of the final exam can be quarterly taken through the two colloquiums Knowledge evaluation (maximum 100 points) Mandatory Points Final exam Mandatory Points Pre-examination obligations Exercise attendance 5.00 Written part of the exam - tasks and theory Yes 70.00 Yes Laboratory exercise defence 20.00 Coloquium exam No 20.00 Yes 5.00 Coloquium exam Lecture attendance 20.00 No Yes Literature Ord. Author Title Publisher Year M. Vojinović Miloradov, M. FTN, Novi Sad, 2011 1, HEMIJA (interna skripta) Turk Sekulić, J. Radonić RADNA SVESKA, Praktikum sa uputstvima za vežbe M. Vojinović Miloradov et al. 2, FTN, Novi Sad 2012 iz predmeta HEMIJA U MAŠINSTVU O. Stojanović, N., Stojanović 3, **ŠTETNE I OPASNE MATERIJE** Rad, Beograd 1995 Đ. Kosanović OPĆA I ANORGANSKA KEMIJA I, II (odabrana 4, I. Filipović, S. Lipanović Školska knjiga, Zagreb 1991 poglavlja) OPŠTA I NEORGANSKA HEMIJA (odabrana 1998 5. S. Arsenijević Naučna knjiga, Beograd poglavlja) G. W. vanLoon and S. J. Oxford University Press Inc., 6. 2011 Environmental Chemistry Duffy New York Oxford University Press Inc., P. Monk 7, Maths for Chemistry 2006 New York 8, D. Amić Organska hemija Školska knjiga, Zagreb 2008 9. P. Vollhardt and N. Schore Organska hemija Data status, Beograd 2004



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:												
Course	id:	M101	Technical Physics										
Numbe	r of ECTS:	4											
Teache	rs:		Kozmidis-Pe	trović F. Ana,	Lončarev	rić M. Ivana							
Course	status:	Mandatory											
Number of active teaching classes (weekly)													
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:				
	2	0		2		0		0					
Precon	dition courses	•		None		•							
1. Educ	ational goal:												
Acquisi	tion of basic kr	nowledge in	technical phy	vsics.									
2. Educ	ational outcom	nes (acquire	d knowledge):									
Basic k	nowledge in te	chnical phy	sics.										
3. Cour	se content/stru	icture:											
Condu Electro Diamag The ab Dispers Black b	ctors and die magnetism. Th gnetism, paran sorption of sou sion. Optical ins	electric in ne magnetion nagnetism, und. Ultraso strument. W k law. Phote	an electric f c field of elect ferromagneti und. Optics. /ave optics. P	field. Electri tricity. Electro sm. Wave pro The basic law Polarization. D	city. DC, magnetic opagation /s of geon	tivity. Fundamentals of resistance. Modern tl induction. Magnetic field and acoustics. Wave ec netrical optics. Regular re of light and X – ray diffrac . Physical basis of nuclea	heory of conductiv energy. AC. Magne juation. Doppler effe flection. Diffuse reflection. Color. Dualism	ity. Semicor tic field in the ct. Power and ection. Index r of light. Heat	nductors. material. d volume. refraction. radiation.				
4. Teac	hing methods:												
Lecture	s, Laboratory I	Practice, Co	omputing Prac	ctice, Consult	ations.								
				Knowledge e	valuation	(maximum 100 points)							
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points				
	tory exercise d	efence		Yes		Written part of the exam	- tasks and theory	Yes	70.00				
Lecture	attendance			Yes	10.00								
					Liter	ature							
Ord.	A	uthor			Title	;	Publishe	-	Year				
1,	Ana Petrović	;	Osnov	/i primenjene	fizike		Univerzitet u Novor Fakultet Tehničkih		2007				



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Study Programme Accreditation

Energy and Process Engineering

Course:	:						_				
Course	id:	M106	Mathematics 2								
Number	r of ECTS:	7									
Teache	rs:	Teo	Feofanov Đ. Ljiljana, Lukić J. Tibor, Kostić Z. Marko, Adžić Z. Nevenka								
Course status: Mandatory											
Number of active teaching classes (weekly)											
L	ectures:	Practical clas	asses: Other teaching types: Study research work: Other classes:								
	3	3		0		0		0			
Precond	dition courses			None		•					
1. Educ	ational goal:										
Student	ts are able to th	nink in an abstr	act way, g	jeneralize an	d acquire	mathematical knowledge	for the application in	technology.			
Student 3. Cours Real fur applicat 4. Teacl Lecture	is are able to a se content/stru nctions and va tion. Ordinary hing methods:	ariables (bound differential equ I classes are a	ary value	Is in engineer	l calculus higher or n. Studen	and their application). Ir der. Linear differential ec ts are assigned homewo	quations of n-th orde	r.			
				· · · · ·	evaluation	(maximum 100 points)					
L		tion obligations	;	Mandatory	Points	Final ex	am	Mandatory	Points		
	e attendance			Yes		Final exam - part one		Yes	35.00		
Lecture	attendance			Yes	5.00	Final exam - part two		Yes	35.00		
Test				Yes Yes	10.00						
1001				165		ature					
Ord.	Δ	uthor	1		Title		Publishe	er	Year		
1,		Nataša Sladoje	e Inteara	alni račun			FTN, Novi Sad		1997		
2,	Irena Čomić, Nikolić			ncijalne jedna	ačine		FTN Novi Sad		1999		
3,	Nevenka Adž	źić	Matem	natika 2			CMS, FTN, Novi Sa	ad	1999		



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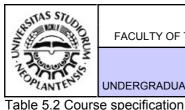


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:	:													
Course	id:	M107	Mechanics 2											
Number	r of ECTS:	5												
Teache	rs:	Ī	Cvetićanin J. Livija, Zuković M. Miodrag											
Course	status:	Í	Mandatory	Aandatory										
Number	r of active teac	hing classe	es (weekly)											
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:					
	2	2		0		0		0						
Precond	dition courses			None										
1. Educ	ational goal:													
	elop abstract t ry of motion.	hinking and	acquire ba	sic knowledge	in the fiel	ld of Kinematics as the fu	undamental subject	necessary for	studying					
2. Educ	ational outcom	nes (acquire	d knowledge	e):										
Acquire	d knowledge r	ecessary fo	or the future	mechanical en	igineer.									
3. Cours	se content/stru	icture:												
Circulat translate parallel body me plain me motion. Angle s 31. Axic and acc 4. Teac	tion of body a ory movement axes. 14. Moti ovement. 18. I otion from the otion. 23. Cen 26. Spherical peed and ang	around a fix . 12. Rotatic on in the op Plain motior pole select troids. 24. F motion of le accelerat body motior point in corr	ted axis. 10 on of body a oposite direct of a rigid t tion. 21. The Relationship a rigid body ion of a bod n. 33. Speed	 Uniform and round two axe stion along two body. 19. Conrection of acceleration . Number of do y in spherical and acceleration 	d evenly of s which ar parallel a nection of ed projecti n of body egrees-of- movemen	ements along the circle. changeable rotation of a re intersected. 13. Motion xes. 15. Angle speed. 16. point speeds in plain mo ions of two points in plain points in plain motion. 25 freedom. 27. D'Alamber t. 30. Speed and accelera ly points in free movemen	rigid body around of a body in the sam Intersection of anglition. 20. Independent motion. 22. Tempo Momentary pole of Euler's theorem. 28 ation of the body poi	an axis. 11. (ne direction arc e speeds. 17. nce of angle sp prary speed po f acceleration i 3. Euler`s num nts in spherica	Complex ound two Complex beed in a ble of the in a plain bers. 29. al motion.					
2001010						(
	Dro guereire	tion of linet	iana	1		(maximum 100 points)	(am)	Mondatar	Delata					
Exercise	Pre-examina e attendance	ation obligat	IONS	Mandatory Yes	Points 15 00	Final ex Written part of the exam		Mandatory Yes	Points 15.00					
	attendance			Yes		Coloquium exam		Yes	40.00					
						Oral part of the exam		Yes	15.00					
					Liter	ature								
Ord.	Α	uthor			Title	9	Publish	er						
1,	Đ. Đukić, L. (Q 41 (!	Kinematika FTN Novi Sad 2005											
1, 2,		Sveticanin		matika - Zbirka			FTN Novi Sad		Year 2005					



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course: **Engineering Graphic Communications** Course id: M108 Number of ECTS: 9 Teachers: Milojević D. Zoran, Navalušić V. Slobodan, Obradović M. Ratko Course status: Mandatory Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 4 2 2 0 0 Precondition courses None 1. Educational goal: Development of spatial imagination and visualization, acquiring engineering knowledge on the most rational graphic representation of combined forms. Teaching students to be able to independently develop technical drawing manually or using a computer. 2. Educational outcomes (acquired knowledge): Understanding geometrical structure of 3D shapes and their optimal 2D representation. Use of computer in design and development of technical documentation on the basis of the designed model. 3. Course content/structure: Representation of space, projecting (orthogonal, cavalier and axonometric), Fundamental elements of geometry, Transformation, rotation, Regular polyhedrons. Perspective co linearity and affinity, transitional developmental surfaces. Constructive processing of basic geometric surfaces and bodies used in mechanical engineering. Characteristic views. Piping problems. Fundamental notions on the engineering design process. Introduction to engineering graphic communications. Basic equipment and supplementary elements. Standards and standard numbers. Technical drawing standards. Basic elements of engineering geometry. Coordinate systems. Descartes, polar, cylindrical, spherical, absolute and relative coordinates. Fundamentals in engineering graphics. 2D space and 2D transformations: translation, rotation, scaling, complex transformations. Drawing objects from multiple views. Cross sections. Drawing objects from one view. Axonometry. Cavalier projection. Perspective. Other ways of graphic representation. Visualization. Visualization techniques with engineering drawings. Hidden lines and surfaces. Structure of data for engineering graphics. Engineering graphics standards. Dimensioning. Tolerancing. Shape and position tolerances. Maximum material condition. Marking the quality of surface. Assembly drawing. Workshop drawing. Schematic drawing. Fundamentals in computer aided product design. 4. Teaching methods: Lectures, computer and graphic practice, consultations. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Exercise attendance 5.00 Practical part of the exam - tasks Yes 30.00 Yes 5.00 Lecture attendance Yes 10.00 Presentation Yes Project task 15.00 Yes Project task 15.00 Yes Test 10 00 Yes Test 10 00 Yes Literature Ord. Author Title Publisher Year S. Navalušić, Z. Milojević 2005 Inženjerske grafičke komunikacije, skripta FTN, Novi Sad 1 Konstruktivna geometrija, autorizovana predavanja -Ratko Obradović FTN, Novi Sad 2005 2 skripta G. Bertoline, E, Wiebe, and Fundamentals of graphics communication, third 3 McGraw-Hill 2002 others F. Giesecke, A. Mitchell, and 4, Modern Graphics Communication, second edition Prentice Hall 2001 others Engineering Design and Graphics, eleventh edition 5. 2004 J. Earle Pearson Education Inc Fundamentals of Three-Dimensional Descriptive 6, Steve Slaby Harcourt, Brace & World, Inc. 1966 Geometry 7, Lazar Dovniković Nacrtna geometrija Univerzitet u Novom Sadu 1994



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	c.								
Course	id:	EJ01L			Englis	h Language – E	Elementary		
Numbe	r of ECTS:	2							
Teache	ers:		Bogdanovi F. Jelisave		k M. Draga	ana, Katić M. Marina, Liče	en S. Branislava, Mirc	ović Đ. Ivana,	Šafranj
Course	status:		Elective						
Numbe	r of active tead	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	2	()	0		0		0	
Precon	dition courses	•		None					
1. Educ	cational goal:			<u>.</u>					
Masteri	-				glish soun	ids, adoption of vocabula	ry related to everyday	y situations, n	nastering
2. Educ	cational outcon	nes (acquire	ed knowledg	je):					
Studen	ts are capable	of using bo	oth oral and	written English	language	in simple everyday situati	ons.		
3. Cour	rse content/stru	ucture:							
Use of (be, do forms.	articles, nouns , have), moda Interrogative a	(plural), ac verbs. Cou	nstruction a e forms. Vo	nd use of tense	es (Preser d to daily	s, comparison), pronouns tt Simple, Present Contin topics: introductions, fan etc.	uous, Present Perfect	ct, Past Simpl	le, future
Use of (be, do forms. naming	articles, nouns , have), moda Interrogative a	(plural), ac verbs. Col ind negativ ig daily obj	nstruction a e forms. Vo	nd use of tense cabulary relate	es (Preser d to daily	t Simple, Present Contin topics: introductions, fan	uous, Present Perfect	ct, Past Simpl	le, future
Use of (be, do forms. naming 4. Teac Commu	articles, nouns , have), moda Interrogative a g and describir ching methods: unicative metho	(plural), ac verbs. Cound negativ ng daily obj od is used s	nstruction a e forms. Vo ects, descri	nd use of tense cabulary relate bing people an	es (Preser ed to daily d places, ntent are c	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun	uous, Present Perfect hily, leisure time, bus ication, which is very	ct, Past Simpl siness, food a	le, future Ind drink,
Use of (be, do forms. naming 4. Teac Commu	articles, nouns , have), moda Interrogative a g and describir ching methods: unicative metho	(plural), ac verbs. Cound negativ ng daily obj od is used s	nstruction a e forms. Vo ects, descri	nd use of tense cabulary relate bing people an jectives and con- and among the	es (Preser ed to daily d places, ntent are c emselves,	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun and on equal developme	uous, Present Perfect hily, leisure time, bus ication, which is very	ct, Past Simpl siness, food a	le, future Ind drink,
Use of (be, do forms. naming 4. Teac Commu	articles, nouns , have), moda Interrogative a g and describir ching methods: unicative metho	(plural), ac verbs. Cound negativ ng daily obj od is used s ication with	nstruction a e forms. Vo ects, descri since the ob the teache	nd use of tense cabulary relate bing people an ectives and co and among the Knowledge e	es (Preser ed to daily d places, ntent are c emselves,	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun	uous, Present Perfec hily, leisure time, bus ication, which is very nt of all language skil	ct, Past Simpl siness, food a	le, future Ind drink,
Use of (be, do forms. naming 4. Teac Commu	articles, nouns , have), moda Interrogative a g and describir ching methods: unicative metho lents` commun	(plural), ac verbs. Cound negativ ng daily obj od is used s ication with	nstruction a e forms. Vo ects, descri since the ob the teache	nd use of tense cabulary relate bing people an jectives and con- and among the	es (Preser ed to daily d places, ntent are c emselves, evaluation Points	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun and on equal developme (maximum 100 points)	uous, Present Perfec hily, leisure time, bus ication, which is very nt of all language skil	ct, Past Simpl siness, food a complex. Em lls.	le, future nd drink, phasis is
Use of (be, do forms. naming 4. Teac Commu on stud	articles, nouns , have), moda Interrogative a g and describir ching methods: unicative metho lents` commun	(plural), ac verbs. Cound negativ ng daily obj od is used s ication with	nstruction a e forms. Vo ects, descri since the ob the teache	nd use of tense cabulary relate bing people an jectives and con- and among the Knowledge e Mandatory	es (Preser ed to daily d places, ntent are c emselves, evaluation Points	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun and on equal developme (maximum 100 points) Final ex	uous, Present Perfec hily, leisure time, bus ication, which is very nt of all language skil	ct, Past Simpl siness, food a complex. Em lls. Mandatory	le, future ind drink, phasis is Points
Use of (be, do forms. naming 4. Teac Commu on stud	articles, nouns , have), moda Interrogative a g and describir ching methods: unicative metho lents` commun	(plural), ac verbs. Cound negativ ng daily obj od is used s ication with	nstruction a e forms. Vo ects, descri since the ob the teache	nd use of tense cabulary relate bing people an jectives and con- and among the Knowledge e Mandatory Yes	es (Preser ed to daily d places, ntent are c emselves, evaluation Points 10.00	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun and on equal developme (maximum 100 points) Final ex	uous, Present Perfec hily, leisure time, bus ication, which is very nt of all language skil	ct, Past Simpl siness, food a complex. Em lls. Mandatory	le, future ind drink, phasis is Points
Use of (be, do forms. naming 4. Teac Commu on stud Test Test	articles, nouns , have), moda Interrogative a g and describir ching methods: unicative metho lents` commun	(plural), ac verbs. Cound negativ ng daily obj od is used s ication with	nstruction a e forms. Vo ects, descri since the ob the teache	nd use of tense cabulary relate bing people an jectives and cor and among the Knowledge of Mandatory Yes Yes	es (Preser ed to daily d places, ntent are c emselves, evaluation Points 10.00 10.00	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun and on equal developme (maximum 100 points) Final ex	uous, Present Perfec hily, leisure time, bus ication, which is very nt of all language skil	ct, Past Simpl siness, food a complex. Em lls. Mandatory	le, future ind drink, phasis is Points
Use of (be, do forms. naming 4. Teac Commu on stud Test Test	articles, nouns , have), moda Interrogative a g and describir ching methods: unicative method lents` commun Pre-examina	(plural), ac verbs. Cound negativ ng daily obj od is used s ication with	nstruction a e forms. Vo ects, descri since the ob the teache	nd use of tense cabulary relate bing people an jectives and cor and among the Knowledge of Mandatory Yes Yes	es (Preser ed to daily d places, ntent are c emselves, evaluation Points 10.00 10.00	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun and on equal developme (maximum 100 points) Final ex Written part of the exam ature	uous, Present Perfec hily, leisure time, bus ication, which is very nt of all language skil	ct, Past Simpl siness, food a complex. Em lls. Mandatory Yes	le, future ind drink, phasis is Points
Use of (be, do forms. naming 4. Teac Commu on stud Test Test Test	articles, nouns , have), modal Interrogative a g and describir ching methods: unicative meth- lents` commun Pre-examina Pre-examina	(plural), ac verbs. Coind negativ ag daily obj od is used s ication with ation obliga	instruction a e forms. Vo ects, descri	nd use of tense cabulary relate bing people an jectives and con- and among the Knowledge of Mandatory Yes Yes	es (Preser ed to daily d places, ntent are c emselves, evaluation Points 10.00 10.00 10.00 Litera Title	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun and on equal developme (maximum 100 points) Final ex Written part of the exam ature	uous, Present Perfec hily, leisure time, bus ication, which is very nt of all language skil cam - tasks and theory	ct, Past Simplesiness, food a complex. Em lls.	le, future ind drink, phasis is Points 70.00
Use of (be, do forms. naming 4. Teac Commu on stud Test Test Test Test Test	articles, nouns , have), modal Interrogative a g and describir ching methods: unicative meth- lents' commun Pre-examina	(plural), ac verbs. Coind negativ ag daily obj od is used s ication with ation obliga	instruction a e forms. Vo ects, descri	nd use of tense cabulary relate bing people an ectives and con- and among the Knowledge e Mandatory Yes Yes Yes Yes	es (Preser ed to daily d places, ntent are o emselves, evaluation Points 10.00 10.00 10.00 Litera Title mentary	nt Simple, Present Contin topics: introductions, fan etc. directed towards commun and on equal developme (maximum 100 points) Final ex Written part of the exam ature	uous, Present Perfec nily, leisure time, bus ication, which is very nt of all language skil cam - tasks and theory Publishe	ct, Past Simple siness, food a complex. Em lls. Mandatory Yes er ress	phasis is Points 70.00 Year



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Table 5.2	2 Course	specification
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	:													
Course	id:	EJM		English Language – ESP Course										
Number	r of ECTS:	3												
Teacher	ers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta											
Course	status:		Elective											
Number	r of active tead	ching classes	s (weekly)											
L	.ectures:	Practical of	classes:	Other teachi	ng types:	Study resea	arch work:	Other clas	sses:					
	2	0		0		0		0						
Precond	dition courses			None			<u>.</u>							
Masterii Enabling enginee	g students for	reading and ign. Develo	understand	ling the origin	al English	eveloping strategies for u texts from various source on related to these topic	es related to the spec	cific aspects o	f graphic					
2. Educ:	ational outcon	nes (acquire	d knowledge	e):										
diverse characte 3. Cours Process strategie function common	literature in the eristic for their se content/stru- sing contemp- ies for underst ns, such as: c n prefixes, su auses (active a	his area and future profe ucture: orary profes tanding a pro comparison,	they can dis ssion. sional texts ofessional te classificati	in the Englis in the Englis ext. Mastering	onal topics	ate vocabulary and compl s in and English language ge related to diverse asp ntal and most used terms	e using terminology a ects in their field of s related to professio	and sentence	structure					
	بجلم مطلا محمد بمصالحا			collocations. F	Passives, p	participles. Reduced rela	components, causa tive clauses (active a	al relations, e	etc. Most					
Commu develop courses	os written and s. New vocabu panded. Stude	oach is use oral skills. Si ulary is adop). d since goa tudents rela ted and pra	als and conte te the informa cticed using o	nt are con tion from tl oral and w	nmunication-related, wh he texts to their own experitences. Knowled h as much as possible c	tive clauses (active a ich is very complex. erience and knowledg lge on certain gramr	al relations, e and passive), This methoc ge obtained fr nar topics is i	etc. Most reduced d equally om other repeated					
Commu develop courses and exp	unicative appr os written and s. New vocabu panded. Stude	oach is use oral skills. Si ulary is adop). d since goa tudents rela ted and pra	als and conte te the informa cticed using o communicate	nt are con tion from ti oral and w e in Englis	nmunication-related, wh he texts to their own expe	tive clauses (active a ich is very complex. erience and knowledg lge on certain gramr	al relations, e and passive), This methoc ge obtained fr nar topics is i	etc. Most reduced d equally om other repeated					
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Commu develop courses and exp groups. Test	Pre-examina	and passive) roach is use oral skills. Si ulary is adop ents are end ation obligati	d since goa tudents rela ted and pra couraged to ons	als and conte te the informa cticed using o communicate Knowledge e Mandatory Yes Yes Yes Yes	nt are con tion from to oral and w e in Englis evaluation Points 10.00 10.00 10.00 Litera Title	nmunication-related, wh he texts to their own experiten exercises. Knowled h as much as possible of (maximum 100 points) Final ex Written part of the exam Oral part of the exam ature	tive clauses (active a ech is very complex. erience and knowledg dge on certain gramm luring the organized	al relations, e and passive), This methoo ge obtained fr nar topics is i class segme Mandatory Yes Yes	d equally om other repeated ents or in Points 40.00					
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Commu develop courses and exp groups. Test Test Test Test Ord.	Pre-examina Pre-examina	and passive) roach is use oral skills. St ulary is adop ents are ence ation obligati Author linning, Norn	d since goa tudents rela ted and pra couraged to ons ons	als and conte te the informa cticed using o communicate Knowledge e Mandatory Yes Yes Yes Yes	nt are con tion from tional and w in Englis evaluation Points 10.00 10.00 Litera Title Electrical a	nmunication-related, wh he texts to their own experiten exercises. Knowled h as much as possible of (maximum 100 points) Final ex Written part of the exam Oral part of the exam ature	tive clauses (active a ich is very complex. reience and knowledg dge on certain gramm luring the organized am tasks and theory Publishe	Al relations, e and passive), This method ge obtained fr mar topics is in class segme Mandatory Yes Yes Yes er ress	d equally om other repeated ents or in Points 40.00 30.00 Year					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Table 5.2 Cour	se specification
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	:										
Course	id:	M109	Electric Machines and Power Electronics								
Number	r of ECTS:	7									
Teache	r:		Oros V. Đur	а							
Course	status:										
Number	r of active tead	ching classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:		
	3	()	2		0		1			
Precon	dition courses	-		None		•	·				
1. Educ	ational goal:										
To prov	vide the future	engineers v	vith the nece	ssary level of l	knowledge	in the area of electric ma	achines and power el	ectronics.			
2. Educ	ational outcom	nes (acquire	ed knowledge	e):							
Readine	ess for indepe	ndent scien	tific and rese	arch work in th	ne area of s	synthesis of drive mecha	inism of power machi	ines.			
3. Cour	se content/stru	ucture:									
and the set of the set							concentration of mod				
mechar separat mechar operatio 4. Teac	nism elements te and combin nical, hydro-dy on. Commercia thing methods:	s. Modelling ned excitati namic, hyd al software.	itional work the electric on. Modellin ro-static and	mode. Solving motor: asyncl g the systems pneumatic. M	g the equa nronous ca of electric odelling the	tion of motion and detended and slip ring motor, cal motor feeding. Mode e control and regulation	ermining section load synchronous motor, elling the power trans sub-systems. Compu	d in the chain DC motor wit sfer in a drive uter simulatior	of drive th series, e system: n of drive		
mechar separat mechar operatio 4. Teac Lecture	nism elements te and combin nical, hydro-dy on. Commercia thing methods:	. Modelling ned excitati namic, hyd al software.	itional work the electric on. Modellin ro-static and merical (N),	mode. Solving motor: asyncl g the systems pneumatic. M laboratory (L)	y the equa nronous ca of electric odelling the), compute	tion of motion and detended and slip ring motor, cal motor feeding. Mode e control and regulation er (C). Individual consu	ermining section load synchronous motor, elling the power trans sub-systems. Compu	d in the chain DC motor wit sfer in a drive uter simulatior	of drive th series, e system: n of drive		
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mechar separat mechar operatio 4. Teac Lecture develop Exerciss Lecture	hism elements te and combin hical, hydro-dy on. Commercia hing methods: es. Practice cl pment and de Pre-examina	Modelling ned excitati namic, hyd al software. lasses: nun fence of a	itional work the electric on. Modellin ro-static and merical (N), n individual	mode. Solving motor: asyncl g the systems pneumatic. M laboratory (L) paper and ar Knowledge e Mandatory Yes Yes), compute oral part. evaluation (5.00 v 5.00 v	tion of motion and detended and slip ring motor, cal motor feeding. Modeled control and regulation er (C). Individual consu (maximum 100 points) Final ex	ermining section load synchronous motor, elling the power trans sub-systems. Compu- ltations. The examination kam	d in the chain DC motor wit sfer in a drive uter simulation nation consis Mandatory	of drive th series, e system: n of drive ts of the Points		
mechar separat mechar operatio 4. Teac Lecture develop Exercise Lecture Test	hism elements te and combin hical, hydro-dy on. Commercia hing methods: es. Practice cl pment and de Pre-examina e attendance	Modelling ned excitati namic, hyd al software. lasses: nun fence of a	itional work the electric on. Modellin ro-static and merical (N), n individual	mode. Solving motor: asyncl g the systems pneumatic. M laboratory (L) paper and ar Knowledge e Mandatory Yes Yes Yes), compute a oral part. evaluation (Points 5.00 (10.00	tion of motion and detended and slip ring motor, cal motor feeding. Modeled control and regulation er (C). Individual consumation (maximum 100 points) Final ex Written part of the exam	ermining section load synchronous motor, elling the power trans sub-systems. Compu- ltations. The examination kam	d in the chain DC motor wit sfer in a drive uter simulation nation consis Mandatory Yes	of drive th series, e system: n of drive ts of the Points 25.00		
mechar separat mechar operatio 4. Teac Lecture develop Exercise Lecture Test Test	hism elements te and combin hical, hydro-dy on. Commercia hing methods: es. Practice cl pment and de Pre-examina e attendance	Modelling ned excitati namic, hyd al software. lasses: nun fence of a	itional work the electric on. Modellin ro-static and merical (N), n individual	mode. Solving motor: asyncl g the systems pneumatic. M laboratory (L) paper and ar Knowledge e Mandatory Yes Yes Yes Yes), compute oral part. evaluation (5.00 k 5.00 k 10.00 10.00	tion of motion and detended and slip ring motor, cal motor feeding. Modeled control and regulation er (C). Individual consumation (maximum 100 points) Final ex Written part of the exam	ermining section load synchronous motor, elling the power trans sub-systems. Compu- ltations. The examination kam	d in the chain DC motor wit sfer in a drive uter simulation nation consis Mandatory Yes	of drive th series, e system: n of drive ts of the Points 25.00		
mechar separat mechar operatio 4. Teac Lecture develop Exercise Lecture Test	hism elements te and combin hical, hydro-dy on. Commercia hing methods: es. Practice cl pment and de Pre-examina e attendance	Modelling ned excitati namic, hyd al software. lasses: nun fence of a	itional work the electric on. Modellin ro-static and merical (N), n individual	mode. Solving motor: asyncl g the systems pneumatic. M laboratory (L) paper and ar Knowledge e Mandatory Yes Yes Yes), compute a oral part. evaluation (Points 5.00 (10.00	tion of motion and detended and slip ring motor, cal motor feeding. Modeled control and regulation er (C). Individual consumation (maximum 100 points) Final ex Written part of the exam	ermining section load synchronous motor, elling the power trans sub-systems. Compu- ltations. The examination kam	d in the chain DC motor wit sfer in a drive uter simulation nation consis Mandatory Yes	of drive th series, e system: n of drive ts of the Points 25.00		
mechar separat mechar operatio 4. Teac Lecture develop Exercise Lecture Test Test Test	hism elements te and combin hical, hydro-dy on. Commercia hing methods: es. Practice cl pment and de Pre-examina e attendance	Modelling ned excitati namic, hyd al software. lasses: nun fence of a	itional work the electric on. Modellin ro-static and merical (N), n individual	mode. Solving motor: asyncl g the systems pneumatic. M laboratory (L) paper and ar Knowledge e Mandatory Yes Yes Yes Yes Yes Yes), compute oral part. valuation (5.00 k 5.00 k 5.00 k 10.00 10.00	tion of motion and detended and slip ring motor, cal motor feeding. Model e control and regulation er (C). Individual consu (maximum 100 points) Final ex Written part of the exam Oral part of the exam	ermining section load synchronous motor, elling the power trans sub-systems. Compu- ltations. The examination kam	d in the chain DC motor wit sfer in a drive uter simulation nation consis Mandatory Yes	of drive th series, e system: n of drive ts of the Points 25.00		
mechar separat mechar operatio 4. Teac Lecture develop Exercise Lecture Test Test Test	nism elements te and combin nical, hydro-dy on. Commercia ching methods: es. Practice cl pment and de Pre-examina e attendance attendance	Modelling ned excitati namic, hyd al software. lasses: nun fence of a	itional work the electric on. Modellin ro-static and merical (N), n individual	mode. Solving motor: asyncl g the systems pneumatic. M laboratory (L) paper and ar Knowledge e Mandatory Yes Yes Yes Yes Yes Yes), compute oral part. evaluation (Points 5.00 v 5.00 v 5.00 v 10.00 10.00 10.00	tion of motion and detended and slip ring motor, cal motor feeding. Model e control and regulation er (C). Individual consu (maximum 100 points) Final ex Written part of the exam Oral part of the exam	ermining section load synchronous motor, elling the power trans sub-systems. Compu- ltations. The examination kam	d in the chain DC motor wit sfer in a drive uter simulation nation consis Mandatory Yes Yes	of drive th series, e system: n of drive ts of the Points 25.00		
mechar separat mechar operatio 4. Teac Lecture develop Exercise Lecture Test Test Test Test	nism elements te and combin nical, hydro-dy on. Commercia ching methods: es. Practice cl pment and de Pre-examina e attendance attendance	Modelling ned excitati namic, hyd al software. lasses: nur fence of a ation obliga ation obliga Author ković, V.,	itional work the electric on. Modellin ro-static and merical (N), n individual tions	mode. Solving motor: asyncl g the systems pneumatic. M laboratory (L) paper and ar Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes), compute oral part. evaluation (Points 5.00 v 5.00 v 5.00 v 10.00 10.00 10.00 Litera Title	tion of motion and detended and slip ring motor, cal motor feeding. Model e control and regulation er (C). Individual consu (maximum 100 points) Final ex Written part of the exam Oral part of the exam	ermining section load synchronous motor, elling the power trans sub-systems. Compu- ltations. The examination kam - tasks and theory	d in the chain DC motor wit sfer in a drive uter simulation nation consis Mandatory Yes Yes	of drive th series, e system: n of drive ts of the Points 25.00 25.00		
mechar separat mechar operatio 4. Teac Lecture develop Exerciss Lecture Test Test Test Test Test Ord.	nism elements te and combin nical, hydro-dy on. Commercia ching methods: es. Practice cl pment and de Pre-examina e attendance attendance	Modelling ned excitati namic, hyd al software. lasses: nur fence of a ation obliga ation obliga Author ković, V.,	itional work the electric on. Modellin ro-static and merical (N), n individual tions Osno	mode. Solving motor: asyncl g the systems pneumatic. M laboratory (L) paper and ar Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes), compute oral part. evaluation (Points 5.00 v 5.00 v 5.00 v 10.00 10.00 10.00 Litera Title	tion of motion and detended and slip ring motor, cal motor feeding. Model e control and regulation er (C). Individual consu (maximum 100 points) Final ex Written part of the exam Oral part of the exam	ermining section load synchronous motor, elling the power trans sub-systems. Compu- ltations. The examined kam - tasks and theory Publishe	d in the chain DC motor wit sfer in a drive uter simulation nation consis Mandatory Yes Yes	of drive th series, e system: n of drive ts of the Points 25.00 25.00		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Table 5.2 Course specification Course: Electrical Engineering and Electric Machines Course id: M112 Number of ECTS: 7 Teachers: Đurić M. Nikola, Juhas T. Anamarija, Oros V. Đura, Prša A. Miroslav Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other classes: Other teaching types: Study research work: 3 2 0 0 1 Precondition courses None 1. Educational goal: To acquire basic knowledge in the field of applied electrical engineering, electromechanical energy conversion, electric machines and their application in traffic and means of transportation. 2. Educational outcomes (acquired knowledge): Students will be able to understand fundamental notions on time invariant and time varying electric currents with the aspects of application in electric machines. They will know the notions on electricity and electric properties of materials used for manufacturing active parts in electric machines. They will be able to understand the working process and calculations related to electric machines, as well as their practical application in traffic and in means of transportation. Course content/structure: Fundamental notions on electric energy. Direct currents. Alternating currents. Principles of solutions for electric networks. Organization of a contemporary electrical and power system. Production, transmission and consumption of electrical power. Electric surroundings of an electric machine. Principles of electromechanical energy conversion. Types of electric machines, basic elements and properties. Transformators. Rotational electric machines. Alternating current machines. Asynchronous machines. Cage and Sliding ring motors. Direct current machines. Synchronous machines. Basic notions on electrical motor powers and application of power electronic devices. Examples of electric machine application in traffic (alternator, starter engine). 4. Teaching methods: Lectures on the board, auditory practice and work in the laboratory through the demonstrated and individual laboratory practice. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Final exam Mandatory Points Points Laboratory exercise defence 20.00 Written part of the exam - tasks and theory 70 00 Yes Yes Test 10.00 Coloquium exam No 50.00 Yes Literature Ord. Title Author Publisher Year Osnovi elektrotehnike za studente neelektrotehničkih Miroslav Prša 1995 Stylos 1 fakultet Viša elektrotehnička škola, 2, Milanković M., Perić D. 2002 Osnovi Elektroenergetike Beograd Levi. E.. Vučković, V., 3, Osnovi Elektroenergetike Stylos-FTN 1997 Strezoski, V Osnovi elektrotehnike - zbirka zadataka za studente 4 Miroslav Prša, Laslo Juhas FTN Izdavaštvo 2001 neelektrotehničkih fakulteta



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:			_					
Course id:	NJ02L		Ge	rman	Language – Pre	e-Intermediate	9	
Number of ECTS:	2							
Teachers:		Berić B. And	drijana, Jović E	D. Miomira	I			
Course status:		Elective						
Number of active tead	ching classe	s (weekly)						
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
2	0		0		0		0	
Precondition courses		-						
1. Educational goal:								
	nore compl	ex sentence	structures, in	ntroductio	vocabulary related to va n to culture, customs and ation competence.			
2. Educational outcon	nes (acquire	d knowledge	e):					
Students are capable more complex gramm			written langua	ge in a nu	mber of everyday situatio	ons by using the expa	anding vocab	ulary and
3. Course content/stru	ucture:							
Theoretical part of the	e course: im elative pror	perfect, part ouns with re	of passive str elative clause	uctures, o s, asking	ten situations, developing ertain infinitive structures questions in indirect spe in time sentences.	, subject and object	clauses, conji	unctive 2
4. Teaching methods:	:							
-		mplying stud	ents` activity c	luring the	classes. During the comn	nunication, mutual int	eraction is es	sential.
			Knowledge e	evaluation	(maximum 100 points)			
Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points
Test			Yes		Written part of the exam	 tasks and theory 	Yes	35.00
Test			Yes		Oral part of the exam		Yes	35.00
Test			Yes	10.00				
		-			ature			
	Author			Title)	Publishe	er	Year
1, H. Aufderstra Müller, H. M		Them	nen aktuell 2			Hueber Verlag		2004



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:	:						_							
Course	id:	M201				Mechanics 3	3							
Number	r of ECTS:	7												
Teache	rs:		Cvetićanin J	. Livija, Kovač	tić N. Ivan	a, Zuković M. Miodrag								
Course status: Mandatory														
Number	r of active tead	hing classe	s (weekly)	eekly)										
L	ectures:	Practical	classes:	es: Other teaching types: Study research work: Other classes:										
	3	3	3 0 0 0											
Precond	dition courses	•	•	None		-								
1. Educ	ational goal:													
	oing abstract in ndamental field					amical processes, as well e.	as acquiring basic k	nowledge in c	lynamics					
2. Educ	ational outcom	nes (acquire	d knowledge	e):										
Acquire	d knowledge i	s used by st	udents in fu	ther education	n, as well	as in their own practice af	ter graduating.							
3. Cours	se content/stru	icture:												
the field Genera Dynami body me inertia. system. D`Alam coordin systems	d of Earth's gr I laws on the c system torsc otion. Moment Main and mai . Body rotatior ber principle.	avity. Point material sys or. D'Alamb of inertia. S n central as a around im Generated of the relativ quations of	t motion on a stem dynam er`s principle Steiner theor kis of inertia movable poi l coordinate ve system ba	a line. Dynam ics. Dynamics work of inte em. Moment c Body rotation nt. Approxima s. Generated alance. Funda	ics of the s of the ch rnal forces of inertia ir n around te gyrosc forces. L mentals in	notion. Point motion on si material point systems. nangeable mass point. M s of a rigid body. Work of n relation to a random axis an immovable axis. Plair ope theorem. Real and vi agrange equations of th n the impact theory for a	Force classification. escherski equation. couplings and mome couplings and mome couplings and mome motion of a rigid bo rtual motion. Ideal co e second type. Lag	Equations or Tsiolkovsky ent of force. Trans t of inertia. El ody and the ri onnections. La range function	n motion. equation. anslatory lipsoid of gid body agrange- n. Cyclic					
	s are auditory		ents, practice	are held in sn	naller grou	ips.								
				Knowledge e	evaluation	(maximum 100 points)		T 1						
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	-	Mandatory	Points					
	e attendance			Yes		Written part of the exam	- tasks and theory	Yes	15.00					
Lecture	attendance			Yes	15.00	Coloquium exam		Yes	40.00					
					Liter	Oral part of the exam ature		Yes	15.00					
Ord.	A	uthor			Title		Publishe	er l	Year					
0iu. 1,	P Božidar Vuja		Dinar	mika	inte			-						
2,	Đorđe Đukić	Teodor	Mohr				Univerzitet u Novor	Dinamika Naučna knjiga, Beograd 1976						
∠,	Atanacković,			uuna				n Sadu I	2005					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:												
Course	id:	M202		Mechanical Elements									
Numbe	r of ECTS:	9											
Teache	er:		Kuzmanović	: B. Siniša									
Course	status:		Mandatory										
Numbe	r of active teac	hing classe	s (weekly)										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:				
	4	4		0		0		0					
Precon	dition courses	-		None		•	•						
1. Educ	cational goal:												
To enal	ble students fo	r independe	ent designing	of mechanica	al elements	s and systems.							
2. Educ	cational outcom	nes (acquire	d knowledge	e):									
Acquire	ed knowledge is	s used in fur	ther educati	on related to p	profession	al courses.							
3. Cour	rse content/stru	icture:											
and cal transmi heads. 4. Teac	lculated stresse itters. Friction Roller bearing ching methods:	es. Safety o pairs. Gear js. Sliding b	f mechanica pairs. Worn pearings. Co	l elements. So n pairs. Chair uplings. Sprir	crew relation pairs. Sh ngs.	namic persistence of mea ons. Group screw relation lafts, spindles and pins.	ns. Thread transmitte	rs. Rivets. Me	echanical				
				Knowledge e	evaluation	(maximum 100 points)							
	Pre-examina	ation obligati	ions	Mandatory	Points	Final ex	am	Mandatory	Points				
Exercis	e attendance			Yes	5.00	Theoretical part of the ex	am	Yes	30.00				
Graphic	c paper			Yes	20.00								
	attendance			Yes	5.00								
Test				Yes	10.00								
Test				V									
				Yes	10.00								
Test				Yes	10.00								
					10.00 10.00	ature							
Test Test	Δ	uthor		Yes	10.00 10.00 Litera		Publishe	er l	Year				
Test Test Ord.		uthor vić		Yes Yes NSKI ELEME	10.00 10.00 Litera Title		Publishe FTN Novi Sad	er l	Year 2012				
Test Test Ord. 1,	S. Kuzmanov	/ić	prime	Yes Yes NSKI ELEME	10.00 10.00 Litera Title NTI-obliko		FTN Novi Sad	er in the second s	2012				
Test Test Ord.		vić	prime MAŠI	Yes Yes NSKI ELEME	10.00 10.00 Litera Title NTI-obliko			er in the second s					



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:														
Course	id:	M204		Strength of Materials										
Number	of ECTS:	9												
Teachei	rs:		Glavarda	nov B. Valentin, I	Maretić B.	Ratko								
Course	status:		Mandator	у										
Number	of active teac	hing classe	es (weekly))										
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:					
	4	4	ł	0		C		0						
Precond	dition courses			None										
1. Educa	ational goal:													
				l deformations o structural eleme		n structural elements, as	well as to solve sta	tically determi	nate and					
2. Educa	ational outcom	es (acquire	ed knowled	dge):										
they car	n perform the	dimensioni	ng of elen		are capab	stress conditions and deformed to individually solve pre-								
3. Cours	se content/stru	cture:												
pole: sta stresses	atically determ s. Bending de	inate and formations	statically in : elastic lin	ndeterminate. To ne. Method of de	orsion of c eformation	ller hypothesis. Stress m ircular cross-section pole n work. Pole stability, cri c and memory materials	es: stress and strain tical buckling force.	. Pole bending	; normal					
4. Teacl	hing methods:													
characte terms, c second	eristic example consultations a module (bend	es. In prac are held ev ing) and th	tice, additi very week. ird module	onal tasks are c Course content	ompleted is divideo mation wo	cal part of the course or to broaden the lecture or d into three modules: firs rk) which are all passed	ontent. Regularly, in t module (axially loa	previously de ded pole, tors	termined sion) and					
	-					(maximum 100 points)								
	Pre-examina	ition obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points					
Exercise	e attendance			Yes	3.00	Oral part of the exam		Yes	50.00					
Homew	ork			Yes	5.00									
Homew	ork			Yes	5.00									
Homew				Yes	5.00									
	attendance			Yes	2.00									
Test				Yes	10.00									
Test				Yes	10.00									
Test				Yes	10.00									
					Liter	ature								
Ord.	A	uthor			Title		Publish	er	Year					
1,	J. Mandić		Ot	pornost materijal	a		Naučna knjiga, Beo							
2,							Hadona krijiga, Dec	ograd	1992					



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:						_		
Course	id:	M4201				Mathematics	3		
Number	r of ECTS:	8							
Teache	rs:		Lukić J. Tibo	r, Ralević M.	Nebojša				
Course	status:		Mandatory						
Number	r of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:
	4	2	2	0		0		0	
Precond	dition courses			None			-		
1. Educ	ational goal:								
	g students in a differential equ		nking and ac	quiring basic	knowledge	e in order theory, integral	transformations, inte	egrals, field th	eory and
2. Educ	ational outcom	nes (acquire	ed knowledge):					
courses equatio		learnt cour	se material re	elated to orde	r theory, ii	ntegral transformations, i	ntegrals, field theory	and partial d	ifferential
3. Cour	se content/stru	icture:							
more va diverge equatio order to 4. Teac Lecture	ariables, limit on nce, work, circons. Numerical opractice the opractice the opractice the opractice the optactice the optactice the optact of	value, cont ulation, flux calculatior course con computing	inuity, extens x). Partial diff is of PDE). P tent, and thus practice. Cor	sion. Scalar fi erential equat ractice classe s, practice cla nsultations. Le	elds, exte ions (PDE es: At prac isses cont ectures are	Formulas for connection ension in direction, gradie of first order. PDE of sec ctice, adequate examples ribute to the understand e held in a combined man s of the theoretical cours	ent, Hamilton operation cond order, hyperboli s from the theoretica ing of the course cor ner. The presentation	or. Vector fiel c, parabolic a l classes are ntent.	ds, rotor, nd elliptic solved in
lectures consulta form of	s, characteristi ations are held	ic exercise 1 regularly 3 parts (pa	s are comple A part of the rt one: order	eted and the of e course conto theory and ir	course con ent that m itegral trai	ntent in explained in mo akes a logical unit can b nsformations; part two: ir	re detail. Apart from e taken during the te	lectures and eaching proce	practice, ess in the
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final e	-	Mandatory	Points
	e attendance			Yes		Theoretical part of the ex		Yes	35.00
	attendance			Yes	5.00 20.00	Practical part of the exar	n - tasks	Yes	35.00
Test				Yes		ature			
Ord.	Δ	uthor			Title		Publishe	-r	Year
1,	N. Adžić, I. K Marić, V. Ung	ovačević, V	V. Mater	natička analiz			FTN, Edicija- Tehni (1), Novi Sad		1996
2,	M. Stojaković		Mater	natička analiz	a 2		Symbol, Novi Sad		2004
3,	N. M. Ralević		analiz	•	nih zadata	ika iz matematičke	Univerzitet u Novor Fakultet tehničkih r Sad		2003
4,	I. M. Kovačev N. M. Ralević		larić, Integr	ali funkcija viš	se promen	ljivih i teorija polja	FTN Novi Sad		2012



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

2	c.										
Course	Course id: M203L		Fundamentals in Thermodynamics								
Number of ECTS: 5											
Teache	er:		Dragutinov	Dragutinović D. Gordan							
Course	status:		Mandatory								
Numbe	r of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
	2	2	2	0		0		0			
Precon	dition courses			None							
1. Educ	cational goal:			-							
Introdu	cing thermodyr	namic struc	ture, thermo	odynamic conce	epts and m	nethods for solving proble	ms of energy convers	sion.			
2. Educ	cational outcom	ies (acquir	ed knowledg	le):							
	ng basic know les and plants.	ledge in sc	lving techni	cal tasks of the	ermal pow	er engineering, thermal p	process engineering a	and designing	g thermal		
	se content/stru	icture:									
(1) Th	ormodunomio	avotom N	loobonical	and thormody	nomio ov	tioms: conversion of ma	and of impulse fire				
					nanne ax						
		- duations d	of state: The	rmal and calori							
vapour). (3) Processe	=quations of s. Perfect a	of state: The and real pro-	rmal and calori cesses. Circula	c equatior	is of state for substances es and thermodynamic e	(ideal gases, real ga	ses – water a	and water		
). (3) Processe r-clockwise vap	s. Perfect a	and real pro	cesses. Circula	c equatior	ns of state for substances	(ideal gases, real ga	ses – water a	and water		
counter). (3) Processe	s. Perfect a	and real pro	cesses. Circula	c equatior	ns of state for substances	(ideal gases, real ga	ses – water a	and water		
countei 4. Teac). (3) Processe r-clockwise vap ching methods: es and auditory	s. Perfect a oour and ga	and real pro as processe:	cesses. Circula s).	c equatior r process	ns of state for substances	(ideal gases, real ga fficiency of these proc	ses – water a cesses (clock	and water wise and		
countei 4. Teac Lecture). (3) Processe r-clockwise vap ching methods: es and auditory	s. Perfect a oour and ga	and real pro as processe:	cesses. Circula s). sses follow the	c equatior r process lectures a	ns of state for substances es and thermodynamic e	(ideal gases, real ga fficiency of these proc	ses – water a cesses (clock	and water wise and		
countei 4. Teac Lecture). (3) Processe r-clockwise vap ching methods: es and auditory	s. Perfect a pour and ga	and real pro as processe: Practice clas	cesses. Circula s). sses follow the	c equatior r process lectures a	ns of state for substances es and thermodynamic e nd include the advanced	(ideal gases, real ga fficiency of these proc	ses – water a cesses (clock	and water wise and		
counter 4. Teac Lecture assignr). (3) Processe r-clockwise vap ching methods: es and auditory ments.	s. Perfect a pour and ga	and real pro as processe: Practice clas	cesses. Circula s). sses follow the Knowledge e	c equatior r process lectures a evaluation Points	ns of state for substances es and thermodynamic e and include the advanced (maximum 100 points)	(ideal gases, real ga fficiency of these proc level of students` inc	ses – water a cesses (clock dependence i	and water wise and in solving		
4. Teac Lecture assignr Exercis Lecture). (3) Processe r-clockwise vap ching methods: es and auditory ments. Pre-examina	s. Perfect a pour and ga	and real pro as processe: Practice clas	cesses. Circula s). sses follow the Knowledge e Mandatory	c equation r process lectures a evaluation Points 5.00 5.00	ns of state for substances es and thermodynamic e and include the advanced (maximum 100 points) Final e	(ideal gases, real ga fficiency of these proc level of students` inc	ses – water a cesses (clock dependence i Mandatory	in solving		
counter 4. Teac Lecture assignr Exercis). (3) Processe r-clockwise vap ching methods: es and auditory ments. Pre-examina re attendance	s. Perfect a pour and ga	and real pro as processe: Practice clas	cesses. Circula s). sses follow the Knowledge e Mandatory Yes	c equation r process lectures a evaluation Points 5.00	ns of state for substances es and thermodynamic e and include the advanced (maximum 100 points) Final e	(ideal gases, real ga fficiency of these proc level of students` inc	ses – water a cesses (clock dependence i Mandatory	in solving		
4. Teac Lecture assignr Exercis Lecture). (3) Processe r-clockwise vap ching methods: es and auditory ments. Pre-examina re attendance	s. Perfect a pour and ga	and real pro as processe: Practice clas	cesses. Circula s). sses follow the Knowledge e Mandatory Yes Yes	c equation r process lectures a evaluation Points 5.00 5.00 20.00	ns of state for substances es and thermodynamic e and include the advanced (maximum 100 points) Final e	(ideal gases, real ga fficiency of these proc level of students` inc	ses – water a cesses (clock dependence i Mandatory	in solving		
4. Teac Lecture assignr Exercis Lecture). (3) Processe r-clockwise vap ching methods: es and auditory ments. Pre-examina e attendance e attendance	s. Perfect a pour and ga	and real pro as processes Practice clas	cesses. Circula s). sees follow the Knowledge e Mandatory Yes Yes Yes	c equation r processo lectures a evaluation Points 5.00 5.00 20.00 Liter Title	ns of state for substances es and thermodynamic e and include the advanced (maximum 100 points) Final e Written part of the exam ature	(ideal gases, real ga fficiency of these proc level of students` inc cam - tasks and theory Publishe	ses – water a cesses (clock dependence i Mandatory Yes	in solving		
counter 4. Teac Lecture assignr Exercis Lecture Test). (3) Processe r-clockwise vap ching methods: es and auditory ments. Pre-examina e attendance e attendance M. Marić	s. Perfect a pour and ga practice. I ation obliga	and real pro as processes Practice clas tions	cesses. Circula s). sees follow the Knowledge e Mandatory Yes Yes Yes	c equation r processo lectures a evaluation Points 5.00 5.00 20.00 Liter Title	ns of state for substances es and thermodynamic e and include the advanced (maximum 100 points) Final e Written part of the exam ature	(ideal gases, real ga fficiency of these proc level of students` inc cam - tasks and theory	ses – water a cesses (clock dependence i Mandatory Yes er n Sadu,	in solving Points 70.00		
countel 4. Teac Lecture assign Exercis Lecture Test Ord.). (3) Processe r-clockwise vap ching methods: es and auditory ments. Pre-examina e attendance attendance A	s. Perfect a pour and ga practice. I ation obliga	and real pro as processes Practice clas tions	cesses. Circula s). sees follow the Knowledge e Mandatory Yes Yes Yes Yes ka o toploti - teo prevanje	c equation r processo lectures a evaluation Points 5.00 5.00 20.00 Liter Title	ns of state for substances es and thermodynamic e and include the advanced (maximum 100 points) Final e Written part of the exam ature	(ideal gases, real ga fficiency of these proc level of students` inc cam - tasks and theory Publishe Univerzitet u Novon	ses – water a cesses (clock dependence i Mandatory Yes r n Sadu, auka	in solving Points 70.00 Year		
countel 4. Teac Lecture assignr Exercis Lecture Test Ord. 1,). (3) Processe r-clockwise vap ching methods: es and auditory ments. Pre-examina e attendance e attendance M. Marić D. Kozić, B. V Bekavac	s. Perfect a pour and ga practice. I ation obliga	Practice clas	cesses. Circula s). sses follow the Knowledge e Mandatory Yes Yes Yes Yes ichik za termod	c equation r process lectures a evaluation Points 5.00 5.00 20.00 Liter Title rmodinam	ns of state for substances es and thermodynamic e and include the advanced (maximum 100 points) Final e: Written part of the exam ature ika, prenos toplote,	(ideal gases, real ga fficiency of these proc level of students` inc cam - tasks and theory Publishe Univerzitet u Novon Fakultet tehničkih n	ses – water a cesses (clock dependence i Mandatory Yes er n Sadu, auka Beograd	in solving Points 70.00 Year 2006		
countel 4. Teac Lecture assignr Exercis Lecture Test Ord. 1, 2,). (3) Processe r-clockwise vap ching methods: es and auditory ments. Pre-examina e attendance e attendance M. Marić D. Kozić, B. V Bekavac	s. Perfect a pour and ga practice. I ntion obliga nuthor /asiljević, ' H.N. Shap , M.A. Bole	Practice clas	cesses. Circula s). sees follow the Knowledge e Mandatory Yes Yes Yes Yes ka o toploti - teo vevanje učnik za termod damentals of E	c equation r processo lectures a evaluation Points 5.00 5.00 20.00 Liter Title rmodinam	ns of state for substances es and thermodynamic e and include the advanced (maximum 100 points) Final e Written part of the exam ature ika, prenos toplote, prostiranje toplote	(ideal gases, real ga fficiency of these proc level of students` inc cam - tasks and theory Publishe Univerzitet u Novon Fakultet tehničkih na Građevinska knjiga,	ses – water a cesses (clock dependence i Mandatory Yes er n Sadu, auka Beograd	in solving Points 70.00 Year 2006 1983		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:							
Course id: M205L		F	undar	mentals in Fluid	Mechanics		
Number of ECTS: 5							
Teacher:	Bukurov Ž. N	laša					
Course status:	Mandatory						
Number of active teaching classes	s (weekly)						
Lectures: Practical of	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
2 1		1		0		0	
Precondition courses		None			•		
1. Educational goal:							
Introduction to the physical proper	ties of fluids	and behaviou	ur of fluids	at rest and in motion.			
2. Educational outcomes (acquire	d knowledge):					
Acquisition of knowledge for solvi dimensioning of pipelines, determ	ng problems iining flow ch	in the field lid aracteristics)	quid and g	as at rest and in motion	dimensioning of con	tainers and re	eservoirs,
3. Course content/structure:							
The subject and a brief historical microstructure. The division of p capillarity and critical pressure. Ca liquids and gases in the field of g surfaces. Buoyancy. Fluid as rigic of ideal fluid. Euler equations.Bern - a form with losses. The coefficie pipeline system. The energy diag measurement. 4. Teaching methods: The course is held by using mod blackboard. There are a number of the set of t	hysical prop avitation. Flui ravity. Fluid p I body under noulli integral ent of friction gram. Compl ern equipme	berties. Press d statics. The pressure on a uniform linea l of Euler equ . The method lex pipelines.	sure. Dens hydrostat flat surfac ar accelera ations. Be of approv Flow thro	sity. Compressibility. Sp ic pressure. Euler equations ation. Fluid as rigid body of rnoulli equations. Correct kimation. Pipeline with tur bugh the holes and socker e in Power Point), but all	eed of sound. Visco ons for a static fluid. I flat surfaces. Hydros under rotation. Fluid tion factor of kinetic rbomachinery, the cr ets. Flow with the va	osity. Surface Pressure distr static forces of Kinematics. I energy. Pipe ritical pressur riable level. I	e tension, ribution in on curved Dynamics problems e, closed Flow rate
related to the lectured units are computing practice (10 weeks) an on board by gradual display of re obtained results to get end result and get approval for them at the	brought to c d laboratory sults. Labor s and to drav	lass when p (5 weeks). Co atory practico v graphs. Stu	ossible (p omputing p e is held a dents hav	ipe elements, measuren practice accompanies lec at once for 6 hours, wher	nent instruments). P tures and examination e students carry out	ractice is div n problems a experiments	re solved and use
		Knowledge e	evaluation	(maximum 100 points)			
Pre-examination obligati	ons	Mandatory	Points	Final ex	am	Mandatory	Points
Exercise attendance		Yes 2.00 C		Oral part of the exam		Yes	50.00
Laboratory exercise attendance		Yes	3.00				
Lecture attendance		Yes	5.00				
Test		Yes	10.00				
Test		Yes	10.00				
Test Test		Yes	10.00 10.00				
		Yes		ature			
Ord					Dublick		Veer
Ord. Author	Oonoi	<i>i</i> mohanika f	Title		Publisher		Year 2012
1, Maša Bukurov 2, Žarko Bukurov		<i>i</i> mehanike fl nika fluida	uiua		skripta Fakultet tehničkih n	auka	
	wichd				. and tot tormonit in		-
3, Žarko Bukurov, Petar S. Cvijanović	Meha	nika fluida za	daci		Fakultet tehničkih n		1987 1982



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	id:	M3409			Aut	omatic control s	systems				
Number	r of ECTS:	6									
Teachers: Petro				etrovački Lj. Nebojša, Ristić V. Aleksandar							
Course	status:	N	landatory								
Number	r of active teac	hing classes	(weekly)								
L	.ectures:	Practical cl	asses:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:		
	2	1		0		0		1			
Precon	dition courses			None							
1. Educ	ational goal:										
Student	ts learn about f	theoretical an	d practical	bases of scier	nce of syst	em control					
2. Educ	ational outcom	nes (acquired	knowledge	e):							
The acc	quired knowled	lge can be u	sed in solv	ing practical e	engineerin	g problems and forms a l	basis for future engin	eering subjec	ts		
3. Cours	se content/stru	ucture:									
Rating t						thematical description o	f continuous linear a				
state sp	bace of the sys	stem. Selection	on and setu	p parameters	ent regime of industr	e. Stability analysis of sys ial controllers: PID contro	tems analysis metho oller. Introduction to	ods. The conce digital control	ept of the systems,		
state sp the bas	bace of the sys	stem. Selection	on and setu	p parameters	ent regime of industr	e. Stability analysis of sys ial controllers: PID contro	tems analysis metho oller. Introduction to	ods. The conco digital control	ept of the systems,		
state sp the bas 4. Teac Llecture written	pace of the sys ic characterist thing methods: es, calculation	stem. Selection ics of industric , laboratory a mination sha	on and setu al control o	ip parameters levices. ter-laboratory	of industr	e. Stability analysis of sys ial controllers: PID contro Consultation. Tests and exam is oral. Exam scor	oller. Introduction to	digital control	systems,		
state sp the bas 4. Teac Llecture written	bace of the systic characterist thing methods: es, calculation part of the exa	stem. Selection ics of industric , laboratory a mination sha	on and setu al control o	p parameters levices. ter-laboratory ten form part o	of industr practice. of the final	ial controllers: PID contro	oller. Introduction to	digital control	systems,		
state sp the bas 4. Teac Llecture written	bace of the sys ic characterist whing methods: es, calculation part of the exa l written exam	stem. Selection ics of industric , laboratory a mination sha	n and setu al control o Ind compu I be in writ	p parameters levices. ter-laboratory ten form part o	of industr practice. of the final	ial controllers: PID contro Consultation. Tests and exam is oral. Exam scor	oller. Introduction to I exams are oral and e is based on the su	digital control	systems,		
state sp the bas 4. Teac Llecture written the fina Test	bace of the sys ic characterist whing methods: es, calculation part of the exa l written exam	tem. Selectic ics of industri , laboratory a imination sha	n and setu al control o Ind compu I be in writ	p parameters levices. ter-laboratory ten form part o Knowledge e	of industr practice. of the final evaluation Points	ial controllers: PID contro Consultation. Tests and exam is oral. Exam scor (maximum 100 points)	oller. Introduction to I exams are oral and e is based on the su	digital control d written. Tes ccess of the t	t and the ests, and		
state sp the bas 4. Teac Llecture written the fina Test Test	bace of the sys ic characterist whing methods: es, calculation part of the exa l written exam	tem. Selectic ics of industri , laboratory a imination sha	n and setu al control o Ind compu I be in writ	ter-laboratory ten form part of Knowledge e Mandatory Yes Yes	of industr practice. of the final evaluation Points 10.00 10.00	ial controllers: PID contro Consultation. Tests and exam is oral. Exam scor (maximum 100 points) Final e:	oller. Introduction to I exams are oral and e is based on the su	digital control d written. Tes ccess of the t Mandatory	t and the ests, and Points		
state sp the bas 4. Teac Llecture written the fina Test	bace of the sys ic characterist whing methods: es, calculation part of the exa l written exam	tem. Selectic ics of industri , laboratory a imination sha	n and setu al control o Ind compu I be in writ	ter-laboratory ten form part of Knowledge e Mandatory Yes	of industr practice. of the final evaluation Points 10.00 10.00	ial controllers: PID contro Consultation. Tests and exam is oral. Exam scor (maximum 100 points) Final ex Oral part of the exam Practical part of the exam	oller. Introduction to I exams are oral and e is based on the su	digital control d written. Tes ccess of the t Mandatory Yes	t and the ests, and Points 30.00		
state sp the bas 4. Teac Llecture written the fina Test Test Test	bace of the sys ic characterist whing methods: es, calculation part of the exam written exam Pre-examina	tem. Selectic ics of industri , laboratory a mination sha ation obligatio	n and setu al control o Ind compu I be in writ	ter-laboratory ten form part of Knowledge e Mandatory Yes Yes	of industr practice. of the final evaluation Points 10.00 10.00 10.00 Litera	ial controllers: PID contro Consultation. Tests and exam is oral. Exam scor (maximum 100 points) Final e: Oral part of the exam Practical part of the exam ature	oller. Introduction to I exams are oral and e is based on the su kam	digital control d written. Tes ccess of the t Mandatory Yes Yes	t and the ests, and Points 30.00 40.00		
state sp the bas 4. Teac Llecture written the fina Test Test Test Test Ord.	pace of the sys ic characterist thing methods: es, calculation part of the exam l written exam Pre-examina	tem. Selectic ics of industri , laboratory a imination sha	n and setu al control o Ind compu I be in writ	ter-laboratory ten form part of Knowledge of Mandatory Yes Yes Yes	of industr practice. of the final evaluation Points 10.00 10.00 10.00 Litera Title	ial controllers: PID contro Consultation. Tests and exam is oral. Exam scor (maximum 100 points) Final ex Oral part of the exam Practical part of the exam ature	oller. Introduction to I exams are oral and e is based on the su cam n - tasks Publish	digital control d written. Tes ccess of the t Mandatory Yes Yes er	t and the ests, and Points 30.00 40.00 Year		
state sp the bas 4. Teac Llecture written the fina Test Test Test	bace of the sys ic characterist whing methods: es, calculation part of the exam written exam Pre-examina	tem. Selectic ics of industri , laboratory a umination sha ation obligatio	n and setu al control o ind compu I be in writ ns Konti Sister	p parameters levices. ter-laboratory ten form part of Knowledge e Mandatory Yes Yes Yes Yes	of industr practice. of the final evaluation Points 10.00 10.00 10.00 Litera Title automatsk	ial controllers: PID contro Consultation. Tests and exam is oral. Exam scor (maximum 100 points) Final e: Oral part of the exam Practical part of the exam ature	oller. Introduction to I exams are oral and e is based on the su kam	digital control d written. Tes ccess of the t Mandatory Yes Yes er	t and the ests, and Points 30.00 40.00		
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UNIVERSITY OF NOVI SAD

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



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	:				-				
Course	id:	M3201			ł	Fuels and lubric	cants		
Numbe	r of ECTS:	5							
Teache	r:	Vid	ćević D. N	/larija					
Course	status:	Ele	ective						
Number	r of active teac	hing classes (weekly)						
L	ectures:	Practical cla	asses:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:
	2	2		0		C)	1	
Precon	dition courses			None		•			
1. Educ	ational goal:								
	•	sic processes a	and proble	em solving in t	he fields of	f (fossil) fuels, lubricants	and combustion.		
<u> </u>									
2. Educ	ational outcom	ies (acquired k	knowledge	e):					
Student	ts acquire know	wledge in fields	s of fuels a	and lubricans	required fo	r process engineering ar	nd energetics.		
3. Cour	se content/stru	icture:							
The rol	a davalanman	t and fuel cor	noumation						
	e, developmen	ir and mei cor			ستكمع المام	المصح ومتواسم ومسامينا المصاد			
	autation of fire					ning. Hydrocarbons and			
		I. Determinati	ion of phy	sical and che	mical cha	racteristics of fuel. Intro	duction to combusti	ion. Developn	nent and
consum	nption of lubric	I. Determinati ants. Lubricati	ion of phy ion theory	ysical and che y. General clas	emical cha	racteristics of fuel. Intro of lubricants and additiv	oduction to combusti es. Lubricants and lu	ion. Developn	nent and
consum	nption of lubric	I. Determinati ants. Lubricati	ion of phy ion theory	ysical and che y. General clas	emical cha	racteristics of fuel. Intro	oduction to combusti es. Lubricants and lu	ion. Developn	nent and
consum Lubrica	nption of lubric nts and lubrica	I. Determinati ants. Lubricati ation of mecha	ion of phy ion theory	ysical and che y. General clas	emical cha	racteristics of fuel. Intro of lubricants and additiv	oduction to combusti es. Lubricants and lu	ion. Developn	nent and
consum Lubrica 4. Teac	nption of lubric nts and lubrica hing methods:	I. Determinati ants. Lubricati ation of mecha	ion of phy ion theory anical sys	ysical and che y. General clas tems. Mainter	emical cha ssification nance and	racteristics of fuel. Intro of lubricants and additiv	oduction to combusti es. Lubricants and lu	ion. Developn	nent and
consum Lubrica 4. Teac	nption of lubric nts and lubrica	I. Determinati ants. Lubricati ation of mecha	ion of phy ion theory anical sys	ysical and che y. General clas items. Mainter e, consultation	emical cha ssification nance and s.	racteristics of fuel. Intro of lubricants and additiv recycling. Technical reg	oduction to combusti es. Lubricants and lu	ion. Developn	nent and
consum Lubrica 4. Teac	nption of lubric nts and lubrica hing methods: s, auditory pra	I. Determinati ants. Lubricati ation of mecha ctice, laborato	ion of phy ion theory anical sys	ysical and che y. General clas tems. Mainter e, consultation Knowledge e	emical cha ssification nance and s. evaluation	racteristics of fuel. Intro of lubricants and additiv recycling. Technical reg (maximum 100 points)	duction to combusti es. Lubricants and lu ulations.	ion. Developn ubrication of m	nent and
consum Lubrica 4. Teac Lecture	nption of lubric nts and lubrica hing methods: s, auditory pra Pre-examina	I. Determinati ants. Lubricati ation of mecha	ion of phy ion theory anical sys	ysical and che y. General clas tems. Mainter e, consultation Knowledge e Mandatory	emical cha ssification ance and s. evaluation Points	racteristics of fuel. Intro of lubricants and additiv recycling. Technical reg (maximum 100 points) Final e	oduction to combusti es. Lubricants and lu ulations.	ion. Developn ibrication of m Mandatory	nent and nachines Points
consum Lubrica 4. Teac Lecture Exercise	nption of lubric nts and lubrica hing methods: s, auditory pra Pre-examina e attendance	I. Determinati ants. Lubricati ation of mecha ctice, laborato	ion of phy ion theory anical sys	ysical and che y. General clas items. Mainter e, consultation Knowledge e Mandatory Yes	emical cha ssification hance and ss. evaluation Points 5.00	racteristics of fuel. Intro of lubricants and additiv recycling. Technical reg (maximum 100 points) Final e. Theoretical part of the ex	oduction to combusti es. Lubricants and lu ulations.	Mandatory Yes	Points
consum Lubrica 4. Teac Lecture Exercise Lecture	nption of lubric nts and lubrica hing methods: s, auditory pra Pre-examina e attendance attendance	I. Determinati ants. Lubricati ation of mecha ctice, laborato	ion of phy ion theory anical sys	ysical and che y. General clas items. Mainter e, consultation Knowledge e Mandatory Yes Yes	emical cha ssification hance and ss. evaluation Points 5.00 5.00	racteristics of fuel. Intro of lubricants and additiv recycling. Technical reg (maximum 100 points) Final e	oduction to combusti es. Lubricants and lu ulations.	ion. Developn ibrication of m Mandatory	Points
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consum Lubrica 4. Teac Lecture Exercise Lecture	nption of lubric nts and lubrica hing methods: s, auditory pra Pre-examina e attendance attendance	I. Determinati ants. Lubricati ation of mecha ctice, laborato	ion of phy ion theory anical sys	ysical and che y. General clas items. Mainter e, consultation Knowledge e Mandatory Yes Yes	emical cha ssification hance and ss. evaluation Points 5.00 5.00	racteristics of fuel. Intro of lubricants and additiv recycling. Technical reg (maximum 100 points) Final e. Theoretical part of the exam	oduction to combusti es. Lubricants and lu ulations.	Mandatory Yes	Points
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:								
Course	e id:	M3202	lo	dentificati	ion and	d reduction of p	ollution from	industry	
Number	er of ECTS:	6							
Teache	ers:		Vujić V. Gor	an, Mihajlov N	I. Anđelka	, Ubavin M. Dejan			
Course	e status:		Elective						
Number	er of active teac	hing classes	s (weekly)						
L	_ectures:	Practical of	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	3	1		1		0		1	
Precon	dition courses			None					
1. Educ	cational goal:			-					
						ental engineering as a se ntal impact and monitori		I design, and	practica
2. Educ	cational outcom	nes (acquire	d knowledge	e):					
	quired knowled pecialized subj		y applicable	in the engine	ering prac	tice as well as for underst	anding and upgradir	ng of knowled	ge and o
3. Cour	rse content/stru	icture:							
Materia and wa Analysi qualitat air, wat Enginee operatio 4. Teac The lec of the n tasks a Part of written	al flow in the ed astes generated is of key manu tive and quanti ter, soil as was eering design o ion of the plant ching methods: ctures are held material accom are performed a the material, v	conomic ent d in the proof facturing pro- tative terms te and haza f environme or compan in the form of panied by c and present vhich makes Exam scol	ity, the appl cess. occesses for . Review of ardous wast ental protect y. of interactive characteristi ed material s it a logical re is based	lication of MF/ production ar legislation rel e. tion as an inte e lectures, auc c examples for is deepened. unit, can be t on: the prese	A (Materia and service ated to the gral part of gral part of r easy un In addition raken durin ence at the	nent of commercial entitie I Flow analisys) as a too sectors in the region and ese plants on environment of the manufacturing process pratory and computer exert derstanding of the mater in to lectures and exercises e lectures and exercises	I for the identification d defining polluting n ntal issues and emis cess which has a po rcises. Lectures pres al. At the auditory e es consultations are through colloquium.	n of polluting in naterials disch ssions into the politive influence sent the theore xercises char regularly held Colloquia are	material narged in ambien ce on the
		``						puter), the su	acteristi d. e taken in
		,		Knowledge		(maximum 100 points)			acteristio d. e taken ir
	Pre-examina				evaluation	(maximum 100 points) Final ex	am	. <i>.</i>	acteristi d. e taken in iccess o
Exercis	Pre-examina se attendance			Knowledge e Mandatory Yes	evaluation Points	(maximum 100 points) Final ex Written part of the exam		Mandatory Yes	acteristi d. e taken i
				Mandatory	evaluation Points 5.00	Final ex		Mandatory	acteristi d. e taken i iccess c Points
Graphic	e attendance			Mandatory Yes	evaluation Points 5.00	Final ex Written part of the exam		Mandatory Yes	acteristi d. taken i iccess c Points 60.0
Graphic	se attendance c paper			Mandatory Yes Yes	Points 5.00 30.00 5.00	Final ex Written part of the exam		Mandatory Yes	acteristi d. taken i iccess c Points 60.0
Graphic	se attendance c paper e attendance A	ation obligati	ons	Mandatory Yes Yes	Points 5.00 30.00 5.00	Final ex Written part of the exam Coloquium exam ature		Mandatory Yes No	acteristi d. taken i iccess o Points 60.0 10.0
Graphic Lecture	e attendance c paper e attendance	ution obligati uthor Dejan Ubav nisavljević,	ons	Mandatory Yes Yes	Points 5.00 30.00 5.00 Liter Title	Final ex Written part of the exam Coloquium exam ature	tasks and theory	Mandatory Yes No	acteristi d. taken i iccess c Points 60.0
Graphic Lecture Ord.	se attendance c paper e attendance A Goran Vujić, Nemanja Sta	ution obligati uthor Dejan Ubav nisavljević,	ons in, Upra	Mandatory Yes Yes Yes	Points 5.00 30.00 5.00 Liter Title	Final ex Written part of the exam Coloquium exam ature	tasks and theory	Mandatory Yes No	acteristi d. taken i iccess o Points 60.0 10.0 Year



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course										
Course	id:	M3203			Те	chnology of ma	chinery			
Numbe	r of ECTS:	5								
Teache	rs:		Vilotić Ž. Dr	agiša, Baloš S	. Sebastia	an, Bukurov Ž. Maša, Spa	sojević Đ. Momčilo			
Course	status:		Elective							
Numbe	r of active teac	hing classe	s (weekly)							
Lectures: Practical classes: Other teaching types: Study research work: Other classes:										
	2	2	2 0 0 1							
Precon	dition courses			None						
1. Educ	ational goal:									
						ology. Qualifying student of basic calculation (ba		vities of desig	gning and	
2. Educ	ational outcom	nes (acquire	ed knowledge	e):						
Prepari	ng students for	the design	, manufactu	re and installat	ion of the	rmo-energetic and proces	sing equipment.			
3. Cour	se content/stru	icture:								
cutting Engine Weldin and typ fracture Engine	- Sheet bendi ering diameter g - definition, d es of welded e mechanic, Re	ng - Rotary r - Trends classificatio joints, the l ealisation c - Defects i	/ drawing - I of MFT deve n and applic oehavior of v if welded str n welded join	Metal forming alopment. ation - Materia welded structu uctures for pre nts - Quality as	machines Ils and the Ires unde edominan	lication - Materials and the s - Manufacturing of pro- eir behavior during weldin r different loads, Basic of tly static loading - Produ in welding - Assessment	cessing and therma g - Constructing and alculation of welded ction of processing e	l equipment calculationt joints, Introc equipment by	by MFT - (selection duction to welding-	
4. Teac	hing methods:									
Lecture	s, calculation a	and auditory	/ exercises, o	consultations.						
				Knowledge e	valuation	(maximum 100 points)		_		
	Pre-examina	tion obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Present				Yes		Theoretical part of the ex	am	Yes	70.00	
Term pa	aper			Yes	20.00					
						ature				
Ord.		uthor			Title	9	Publishe	-	Year	
,	1, M. Bogner Zavarivanje Mašinski fakultet beograd 2007 0 Miroslav Plančak, Dragiša Tekenterija plančik, pragiša 20040									
2,	Vilotić	ioun, brugi	Tehn	ologija plastičr	nog deforr	nisanja	Fakultet tehničkih n	auka	2012	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course id: Id01 Iribology Number of ECTS: 5 Teacher: Jocanović T. Mitar Course status: Electve Number of active teaching classes (weekly) Other teaching types: Study research work: Other classes: 2 2 0 0 0 Precondition courses None None None 1. Educational goal: Acquiring knowledge and enabling students for further application and practical work in the field of tribology in domain of real systems in accordance with tribological, energetic, economic and ecological principles of sustainable development. 2. Educational outcomes (acquired knowledge): Acquiring knowledge and experiences utilized in further scientific and research work. 3. Course content/structure: Fundamentals of triboanalysis. Collecting and systematization of scientific information and on fundamental aspects of friction and wear processes. Tribomaterials. Development and methods of determination of tribological aspect and determination of tribological characteristics of all sorts of lubricants. Tribotencines – methods of friction force measurement in contact zones, methods for wear measurement. Tribometrics – Methods for continuous control of tribological parameters in tribosystem and heir elements during the process of equipment utilization. Tribotaligonostics – Methods for continuous control of tribological parameter	Course:									
Interview Jocanović T. Mitar Course status: Elective Number of active teaching classes (weekly) Elective Lectures: Practical classes: Other teaching types: Study research work: Other classes: 2 2 0 0 0 Precondition courses None 0 0 1. Educational goal: Acquiring knowledge and enabling students for further application and practical work in the field of tribology in domain of real systems in accordance with tribological, energetic, economic and ecological principles of sustainable development. 2. Educational outcomes (acquired knowledge): Acquired knowledge and experiences utilized in further scientific and research work. 3. Course content/structure: Fundamentals of triboanalysis. Collecting and systematization of scientific information and on fundamental aspects of friction and wear processes. Tribomaterials. Development of new materials from tribological aspect and determination of tribological characteristics of all sorts of lubricants. Tribonetrics - methods of riction for continuous control of tribological parameters. Tribonetrics - methods of riction for continuous control of tribological parameters. Lectures, onsultations, direct communication with industrila systems. Students write seminar papers with cooperation of the professor in the field of subject. Part of the subject content is passed in the form of an exam. The final	Course	id:	1401				Tribology			
Course status: Elective Number of active teaching classes: Other teaching types: Study research work: Other classes: 2 2 0 0 0 Precondition courses None 0 0 1. Educational goal: Acquiring knowledge and enabling students for further application and practical work in the field of tribology in domain of real systems in accordance with tribological, energetic, economic and ecological principles of sustainable development. 2 2 2. Educational outcomes (acquired knowledge): Acquired knowledge and experiences utilized in further scientific and research work. 3. Course content/structure: Fundamentals of triboanalysis. Collecting and systematization of scientific information and on fundamental aspects of friction and wear processes. Tribonaterials. Development of new materials from tribological aspect and determination of tribological characteristics of all sorts of fubricants. Tribotechnology – Working processes which form contact surfaces and methods for their improvement. Tribometrics – methods of friction force measurement in contact surface, contact deformation. Tribological Scies – Wethods for continuous control of tribological surface, contact deformation. Tribological for continuous control of tribological surface, contact deformation. Tribotechnolgics. Judities addate and contact surface, on their improvement. Tribologica	Number	of ECTS:	5							
Number of active teaching classes: Other teaching types: Study research work: Other classes: 2 2 0 0 0 0 Precondition courses None 1. Educational goal: Acquiring knowledge and enabling students for further application and practical work in the field of tribology in domain of real systems in accordance with tribological, energetic, economic and ecological principles of sustainable development. 2. Educational outcomes (acquired knowledge): Acquired knowledge and experiences utilized in further scientific and research work. 3. Course content/structure: Fundamentals of triboanalysis. Collecting and systematization of scientific information and on fundamental aspects of friction and wear processes. Tribometrics — methods of determination of tribological characteristics of al ubricants. Tribonaterials. Development of new materials from tribological aspect and determination of tribological characteristics of the existing materials. Development of new materials from tribological characteristics of al ubricants. Tribonterion. Tribonterics — methods of fiction force measurement in contact zones, methods for wear measurements of tribosystem elements, temperature, nonsmoth surfaces, counture size and actual contact surface, contact deformation. Tribological - Methods for continuous control of tribological parameters in tribosystems and their elements during the process of equipment utilization. 4. Teaching methods: Lect	Teache	r:		Jocanović	T. Mitar					
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	Term pa				Yes					
Ura. Author Itte Publisher Year										
1, Savić Vladimir TRIBOLOGIJA I PODMAZIVANIE IKOS, Novi Sad 1995									er	



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



Study Programme Accreditation

Energy and Process Engineering

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Course	id:	M3315	Fun	Idamenta	ls in E	cological Oil An	alysis and Ga	as Indus	try
Numbe	r of ECTS:	6							
Teache	ers:		Sokolović M	M. Slobodan, S	okolović S	. Dunja			
Course	status:		Elective						
Numbe	r of active tead	hing classe	s (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	3	2	2	0		0		1	
Precon	dition courses	<u> </u>		None			I		
1. Educ	cational goal:			<u></u>					
	U	sic principle	s and mode	ern methods of	ecologic a	nalysis in oil and gas indu	ustry.		
2. Educ	cational outcom	nes (acquire	ed knowledg	je):					
Ability t	o work indepe	ndently on o	designing, m	nanagement an	d applicat	ion of integrated ecologic	al projects in oil and g	gas industry.	
3 Cour	se content/stru	icture:							
Sustair						tainable development a			
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course					_				
Course	id:	M3507			С	ombustion tech	nology		
Numbe	r of ECTS:	5							
Teache	r:		Vićević D.	Marija					
Course	status:		Elective						
Numbe	r of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	2	2	2	0		0		0	
Precon	dition courses			None					
1. Educ	ational goal:								
	ig students fo tional fuels.	r: construc	cting, desig	ning, exploitat	ion, engir	neering and consalting i	n the field of energ	y conversion	and non
2. Educ	ational outcom	ies (acquire	ed knowled	ge):					
Acquirii (station	ng fundamenta ary and non s	al knowled tationary ir	ge on probl n terms of le	ems and metho oad shift), engi	odology of neering ar	solving problems during during of thermal	construction, desig and energy plants.	ning, managi	ng plants
3. Cour	se content/stru	cture:							
proces proces 5. Lami	ses thermo dy ses. nal flame with	namics. F	⁻ undament mixing. Lar	als in transpor ninal flame with	t and che	n. Combustion phenomen mical kinetics. Chemica ous miximg. Combustion utflow. Diffusion flame o	al reaction mechani	isms. 4. Infla vith previous i	mmation
Liquide – comb	fuels combust ustion in layers	ion. Burne and space	rs for liquid e. Special fo	fuels. 8. Solid forms of combus	uels comb tion. Wast	bustion. Specific characte the combustion. 9. Flames mbustion and environmer	ristics. Solid fuels co and burning place. 1	mbustion tecl	nnologies
4. Teac	hing methods:								
						ninar paper. The final gra v the exam can be taken			
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Exercis	e attendance			Yes		Theoretical part of the ex	am	Yes	30.00
	attendance			Yes		Oral part of the exam		Yes	40.00
Term pa	aper			Yes	10.00				
Test				Yes	10.00	ature			
Ord.	Δ	uthor			Title		Publish	er	Year
1,	Pešenjanski		Teh	inika sagorevan			Fakultet tehničkih r Sad		2012
2,	Warnatz J., N R.W.	/laas U., Di	ibble Cor	nbustion			Springer		2000
3,	Radovanović	, M.	Gor	iva			Mašinski fakultet, E	Beograd	1994
4,	Joksimović T	japkin, S.	Pro	cesi sagorevanj	а		Tehnološko-metalu Beograd	ırški fakultet,	1987
5,	J. M. Beer		Indu	ustrial flames			Edward Arnold, Loi	ndon	1972



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

<u></u>	:								
Course	id:	IM1007		Prii	nciples	of engineering	managemer	nt	
Number	r of ECTS:	5							
Teacher	r:		Mitrović N	I. Slavica					
Course	status:		Elective						
Number	r of active teac	hing classe							
	ectures:	Practical		Other teachi	na types:	Study resea	arch work:	Other cla	isses:
	2	2		0		0		1	
Precond	dition courses			None					
1. Educ	ational goal:								
1) to stu the indu knowled	udy and analyz ustrial system dge and skills	ze the natur ; and 3) to	re, purpose introduce	e and domain of students with th	manageme	s of engineering manage ent in the industrial systen ngineering/managerial fi	em; 2) to understand	the success f	factors of
2. Educa	ational outcom	nes (acquire	ed knowled	ge):					
principle influenc	es, methods, ing the dynam	and function nics of the i	ons of engi ndustrial s	neering manage	ement (plai aim of crea	anagement, students will inning, organizing, leadi ating conditions for perm	ng and controlling),	as well as th	e factors
3. Cours	se content/stru	ucture:		-	-				
			anagement	. Engineening m	anagement	t in modern business. En	gineers as manager	s. The views a	past and and goals
basics, departm and type function CRM, B	, planning pr nentalization, r nes), the impor ns of controllin 3SC, LEAN, m	ers. Manage ocess, de models of c rtance of m g, types, st anaging div	ement skill cision-ma organizatio otivation in tyles, and p versity. The	s and knowledg king. Organizi nal structure. Le n management, process of contr e future of engin	e. Principle ng: The n adership (r leadership rolling; Mod eering man	es and functions of eng necessity of organizing management): the role of as a determinant of en dern approaches in englin nagement. Practical instr	gineers as manager ineering manageme g, designing organ f communication in gineering managemer neering managemer	s. The views a nt. Planning: nizational str management ent. Controllir nt: green man	and goals Planning ructures (process ng: Basic agement
basics, departm and type function CRM, B from the	, planning pr nentalization, r pes), the impor ns of controllin BSC, LEAN, m e field of mana	ers. Manage ocess, de models of c rtance of m g, types, st anaging div agement, an	ement skill cision-ma organizatio otivation in tyles, and p versity. The	s and knowledg king. Organizi nal structure. Le n management, process of contr e future of engin	e. Principle ng: The n adership (r leadership rolling; Mod eering man	es and functions of eng necessity of organizing management): the role of as a determinant of en dern approaches in engli	gineers as manager ineering manageme g, designing organ f communication in gineering managemer neering managemer	s. The views a nt. Planning: nizational str management ent. Controllir nt: green man	and goals Planning ructures (process ng: Basic agement
basics, departm and type function CRM, B from the 4. Teach Lectures systems	, planning pr nentalization, r res), the impor rs of controllin BSC, LEAN, m e field of mana hing methods: es are presente s. Part of the	ers. Manage ocess, de models of c tance of m g, types, st anaging div agement, an ed in terms course cor	ement skill cision-ma organizatio iotivation in tyles, and p versity. The nd analyzin of analyzin	s and knowledg king. Organizi nal structure. Len n management, process of contre future of engin ng and resolving	je. Principle ng: The n eadership (r leadership oiling; Mod eering man case studi	es and functions of eng necessity of organizing management): the role of as a determinant of en dern approaches in englin nagement. Practical instri ies and assignments. d resolving specific prob ng managers of industria	gineers as manager ineering manageme g, designing organ of communication in gineering managemer ruction: exercises us of the second sec	s. The views a nt. Planning: nizational str management ent. Controllir nt: green mana ing practical e of managing i	and goals Planning ructures (process ng: Basic agement examples industrial
basics, departm and type function CRM, B from the 4. Teacl Lecture systems	, planning pr nentalization, r res), the impor rs of controllin BSC, LEAN, m e field of mana hing methods: es are presente s. Part of the	ers. Manage ocess, de models of c tance of m g, types, st anaging div agement, an ed in terms course cor	ement skill cision-ma organizatio iotivation in tyles, and p versity. The nd analyzin of analyzin	s and knowledg king. Organizi nal structure. Len management, process of contre future of engin ng and resolving ng theoretical co ctures presente d visiting succe	e. Principle ng: The n adership (r leadership olling; Mod eering mar case studi	es and functions of eng necessity of organizing management): the role of as a determinant of en dern approaches in englin nagement. Practical instri ies and assignments. d resolving specific prob ng managers of industria	gineers as manager ineering manageme g, designing organ of communication in gineering managemer ruction: exercises us of the second sec	s. The views a nt. Planning: nizational str management ent. Controllir nt: green mana ing practical e of managing i	and goals Planning ructures (process ng: Basic agement examples industrial
basics, departm and type function CRM, B from the 4. Teacl Lecture systems	, planning pr nentalization, r res), the impor rs of controllin BSC, LEAN, m e field of mana hing methods: es are presente s. Part of the	ers. Manage ocess, de models of c rtance of m g, types, st anaging div agement, au ed in terms course con g seminar	ement skill cision-ma organizatio otivation in tyles, and p versity. The nd analyzin of analyzin sists of le papers an	s and knowledg king. Organizi nal structure. Len management, process of contre future of engin ng and resolving ng theoretical co ctures presente d visiting succe	e. Principle ng: The n adership (r leadership olling; Mod eering mar case studi	es and functions of eng necessity of organizing management): the role of as a determinant of en dern approaches in engin nagement. Practical instri ies and assignments. d resolving specific prob ng managers of industria strial systems.	gineers as manager ineering manageme g, designing organ of communication in gineering managemer ruction: exercises us plems from the area al systems. Exercise	s. The views a nt. Planning: nizational str management ent. Controllir nt: green mana ing practical e of managing i	and goals Planning ructures (process ng: Basic agement examples industria pup work
basics, departm and type function CRM, B from the 4. Teach Lectures systems writing a	, planning pr nentalization, r res), the impor rs of controllin 3SC, LEAN, m e field of mana hing methods: as are presente s. Part of the and presentin	ers. Manage ocess, de models of c rtance of m g, types, st anaging div agement, au ed in terms course con g seminar	ement skill cision-ma organizatio otivation in tyles, and p versity. The nd analyzin of analyzin sists of le papers an	s and knowledg king. Organizi nal structure. Le n management, process of contre a future of engin ng and resolving ng theoretical co ctures presente d visiting succe Knowledge of	je. Principle ng: The n adership (r leadership (r leadership olling; Mod eering man case studi oncepts and d by visitin ssful indus evaluation (Points	es and functions of eng necessity of organizing management): the role of as a determinant of en dern approaches in engin hagement. Practical instri ies and assignments. d resolving specific prob ng managers of industria strial systems. (maximum 100 points)	gineers as manager ineering manageme g, designing organ of communication in gineering managemer ruction: exercises us plems from the area al systems. Exercise	s. The views a nt. Planning: nizational str management ent. Controllir nt: green mana ing practical e of managing i es include gro	and goals Planning ructures (process ng: Basic agement examples industrial
basics, departm and typ function CRM, B from the 4. Teacl Lectures systems writing a Exercise	, planning pr nentalization, r res), the impor is of controllin SSC, LEAN, m e field of mana hing methods: and presented s. Part of the and presentin Pre-examina	ers. Manage ocess, de models of c rtance of m g, types, st anaging div agement, au ed in terms course con g seminar	ement skill cision-ma organizatio otivation in tyles, and p versity. The nd analyzin of analyzin sists of le papers an	s and knowledg king. Organizi nal structure. Le n management, process of contr e future of engin ng and resolving ng theoretical co ctures presente d visiting succe Knowledge e Mandatory	je. Principle ng: The n adership (r leadership (r leadership olling; Mod eering man case studi oncepts and d by visitin ssful indus evaluation (Points	es and functions of eng necessity of organizing management): the role of as a determinant of en dern approaches in engin hagement. Practical instri ies and assignments. d resolving specific prob ng managers of industria strial systems. (maximum 100 points) Final ex	gineers as manager ineering manageme g, designing organ of communication in gineering managemer ruction: exercises us plems from the area al systems. Exercise	s. The views a nt. Planning: nizational str management ent. Controllin t: green mana ing practical e of managing i es include gro	and goals Planning ructures (process ng: Basic agement examples industria pup work
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basics, departm and typ function CRM, B from the 4. Teacl Lecture: systems writing a Exercise Lecture Term pa Test	, planning pr nentalization, r ies), the impor is of controllin SSC, LEAN, m e field of mana hing methods: is are presente s. Part of the and presentin Pre-examina e attendance attendance	ers. Manage ocess, de models of c rtance of m g, types, st anaging div agement, au ed in terms course con g seminar	ement skill cision-ma organizatio otivation in tyles, and p versity. The nd analyzin of analyzin sists of le papers an	s and knowledg king. Organizi nal structure. Lea management, process of contre future of engin ng and resolving mg theoretical co ctures presente d visiting succe Knowledge e Mandatory Yes Yes Yes	e. Principle ng: The n eadership (r leadership olling; Mod eering mar occepts and d by visitin ssful indus evaluation (Points 5.00 (5.00 20.00	es and functions of eng necessity of organizing management): the role of as a determinant of en dern approaches in engin hagement. Practical instri ies and assignments. d resolving specific prob ng managers of industria strial systems. (maximum 100 points) Final ex	gineers as manager ineering manageme g, designing organ of communication in gineering managemer ruction: exercises us plems from the area al systems. Exercise	s. The views a nt. Planning: nizational str management ent. Controllin t: green mana ing practical e of managing i es include gro	and goals Planning ructures (process ng: Basic agement examples industria pup work
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basics, departm and typ function CRM, B from the 4. Teacl Lectures systems writing a Exercise Lecture Term pa Test Test Ord.	, planning pr nentalization, r res), the impor s of controllin SSC, LEAN, m e field of mana hing methods: es are presente s. Part of the and presentin Pre-examina e attendance aper	ers. Manage ocess, de models of c rtance of m g, types, st anaging div agement, ar ed in terms course con g seminar ation obligat ation obligat	ement skill cision-ma organizatio ootivation in tyles, and j versity. The nd analyzin of analyzin of analyzin sists of le papers an tions	s and knowledg king. Organizi nal structure. Le n management, process of contre e future of engin ng and resolving ng theoretical co ctures presente d visiting succe Knowledge e Mandatory Yes Yes Yes Yes Yes Yes	e. Principle ng: The n adership (r leadership (r leadership olling; Mod eering man case studi oncepts and d by visitin ssful indus evaluation (Points 5.00 20.00 10.00 10.00 Litera Title g menadžn	es and functions of eng necessity of organizing management): the role of o as a determinant of en dern approaches in engin nagement. Practical instri ies and assignments. d resolving specific prob ng managers of industria strial systems. (maximum 100 points) Final ex Oral part of the exam	gineers as manager ineering manageme g, designing organ of communication in gineering managemer uction: exercises us olems from the area al systems. Exercise cam	s. The views a nt. Planning: nizational str management ent. Controllir t: green mana ing practical e of managing i es include gro Mandatory Yes	and goals Planning ructures (process ng: Basic agement examples industria bup work Points 50.00



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	:						hiaa		
Course	id:	IM1052				Engineering Ef	INICS		
Numbe	r of ECTS:	5							
Teache	ers:		Pečujlija [). Mladen, Vrgov	vić D. Peta	r			
Course	status:		Elective						
Numbe	r of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:
	2	2	2	0		0)	0	
Precon	dition courses			None		•			
1. Educ	ational goal:								
				a sensitivity to aspects of prof		sues, empower them to	proper ethical reas	soning, beha	vior, and
2. Educ	ational outcom	nes (acquir	ed knowled	ge):					
Also, st		oractical kr	iowledge a	nd application		logical theories of mora Ilder analysis instrumer			
3. Cour	se content/stru	icture:							
						Conventional morality an			
Moral c manage Corpora rights. I firm. Ac	duty and justice ement instrum ations and mod Information Teo ccounting, Fin	e. Religion ients. Eng rality. Safe chnology, a	and moral ineering au ty, risk and and Ethics.	ity. Moral respo nd values??. Er environmental Workers' rights,	nsibility, v ngineering protection. employme	Conventional morality an irtue and moral judgmen Ethics. The theory of Marketing, advertising ent, and labor unions. Th ess, multinational comp	nt. Stakeholder theor dual use. Judicial ar and truth. Protection e rights and obligatio	ry and analysind economic of intellectual ons of employe	is. Ethics systems property ees in the
Moral c manage Corpora rights. I firm. Ac commo	duty and justice ement instrum ations and mou Information Teo ccounting, Fin on good	e. Religion hents. Eng rality. Safe chnology, a ance and	and moral ineering au ty, risk and and Ethics.	ity. Moral respo nd values??. Er environmental Workers' rights,	nsibility, v ngineering protection. employme	irtue and moral judgmen Ethics. The theory of Marketing, advertising ent, and labor unions. Th	nt. Stakeholder theor dual use. Judicial ar and truth. Protection e rights and obligatio	ry and analysind economic of intellectual ons of employe	is. Ethics systems property ees in the
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Moral o manage Corpora rights. I firm. Ac commo 4. Teac	duty and justice ement instrum ations and mor- information Tea ccounting, Fin on good	e. Religion hents. Eng rality. Safe chnology, a ance and s, practical	and moral ineering al ty, risk and and Ethics. ethical fina exercises a	ity. Moral respond ad values??. Er environmental Workers' rights, ance. Internatio	nsibility, v ngineering protection. employme nal busine s.	irtue and moral judgmen Ethics. The theory of Marketing, advertising ent, and labor unions. Th ess, multinational comp	nt. Stakeholder theor dual use. Judicial ar and truth. Protection e rights and obligatio anies and morale. C	ry and analysind economic of intellectual ons of employe	is. Ethics systems property ees in the
Moral c manage Corpora rights. I firm. Ad commo 4. Teac Lecture	duty and justice ement instrum ations and mor- information Tec- ccounting, Fin- on good thing methods: es, case studies	e. Religion hents. Eng rality. Safe chnology, a ance and s, practical	and moral ineering al ty, risk and and Ethics. ethical fina exercises a	ity. Moral respond nd values??. Er environmental Workers' rights, ance. Internatio and consultation	nsibility, v ngineering protection. employme nal busine s. evaluation Points	irtue and moral judgmen Ethics. The theory of a Marketing, advertising ent, and labor unions. Th ess, multinational comp (maximum 100 points)	nt. Stakeholder theor dual use. Judicial ar and truth. Protection e rights and obligatio anies and morale. C	ry and analysi nd economic of intellectual ns of employe Corruption. Th	is. Ethics systems property ses in the ne globa
Moral c manage Corpora rights. I firm. Ac commo 4. Teac Lecture Exercis	duty and justice ement instrum ations and mor- information Tec- ccounting, Fin- on good thing methods: es, case studies Pre-examina	e. Religion hents. Eng rality. Safe chnology, a ance and s, practical	and moral ineering al ty, risk and and Ethics. ethical fina exercises a	ity. Moral respond nd values??. Er environmental Workers' rights, ance. Internatio and consultation Knowledge e Mandatory	nsibility, v ngineering protection. employme nal busine s. evaluation Points 5.00 5.00	irtue and moral judgmen Ethics. The theory of a Marketing, advertising ent, and labor unions. Th ess, multinational comp (maximum 100 points) Final e	nt. Stakeholder theor dual use. Judicial ar and truth. Protection e rights and obligatio anies and morale. C	ry and analysi nd economic of intellectual ns of employe Corruption. Th Mandatory	is. Ethics systems property ses in the globa Points
Moral c manage Corpora rights. I firm. Ac commo 4. Teac Lecture Exercis	duty and justice ement instrum ations and mol information Tec ccounting, Fin on good thing methods: es, case studies Pre-examina- e attendance attendance	e. Religion hents. Eng rality. Safe chnology, a ance and s, practical	and moral ineering al ty, risk and and Ethics. ethical fina exercises a	ity. Moral respond d values??. Er environmental Workers' rights, ance. Internatio and consultation Knowledge e Mandatory Yes	nsibility, v ngineering protection. employme nal busine s. evaluation Points 5.00	irtue and moral judgmen Ethics. The theory of a Marketing, advertising ent, and labor unions. Th ess, multinational comp (maximum 100 points) Final e	nt. Stakeholder theor dual use. Judicial ar and truth. Protection e rights and obligatio anies and morale. C	ry and analysi nd economic of intellectual ns of employe Corruption. Th Mandatory	is. Ethics systems property ses in the globa Points
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:									
Course	id:	IM1523			C	Discrete Mathen	natics		
Number	r of ECTS:	5							
Teache	rs:		Doroslovački	D. Rade, Ad	žić Z. Nev	enka, Teofanov Đ. Ljiljan	а		
Course	status:		Elective						
Number	r of active tead	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	2	2	2	0		0		1	
Precon	dition courses	-		None			•		
1. Educ	ational goal:								
	g students to t damentals of c			new knowled	ge in the f	ield of elementary, generation	al, abstract and linea	r algebra, as v	well as in
2. Educ	ational outcom	nes (acquire	ed knowledge):					
	d knowledge i s using the ma			on and profes	sional cou	urses. Mathematical mode	els are designed and	solved in pro	fessional
3. Cours	se content/stru	icture:							
fields, t charact are don	free vectors, eristic roots ar	analytical nd vectors. xercise lect	geometry in Practice lectu	space (vect res (lab): In la	or!), dete aboratory	algebra, groups, rings, fin erminants, systems of li exercises adequate exam ute to understanding of th	near equations, ve ples and tests from t	ctor space, r	natrices,
Lecture accomp typical p are also module geomet	s; Computing banied by char problems are s b held. Part of : relations, fur ry in space (v ctors. Theoret	practice. Co acteristic a solved and l the course actions, Boo ector!); the	nd representa ectured theor , which is a lo plean algebra second mod	ative example y is deepened ogical unit, ca , groups, ring ule: determin	es in order d. Besides an be pass gs, fields, ants, syst	and interactive. In lectures to better understand the electures and practice, re- sed within the teaching p polynomials, complex nu em of linear equations, v n and basic), Practical p	matter. In practice, gular consultations a rocess in the followin mbers, finite fields, f rector space, matrice	which follows nd group cons ng 2 modules ree vectors, a es, characteris	lectures, sultations (the first analytical stic roots
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obligation	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Exercis	e attendance			Yes		Written part of the exam	- tasks and theory	Yes	20.00
	attendance			Yes		Oral part of the exam		Yes	50.00
Test				Yes	10.00				
Test				Yes	10.00				
0		u the end	-			ature	Datation		Marr
Ord.		uthor	Drin -		Title		Publishe	er	Year
1, 2,	Doroslovački Doroslovački			v 1		ne i diskretne	FTN, Novi Sad		2012 2011
<u>2,</u> 3.	Doroslovački	,							
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UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	:								
Course	e id:	M210				Thermodynam	nics		
Numbe	er of ECTS:	6							
Teache	ers:		Dragutinović	D. Gordan, S	spasojević	Đ. Momčilo			
Course	e status:		Mandatory						
Numbe	er of active teac	hing classe	es (weekly)						
L	_ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	3	3	;	0		0	1	0	
Precon	dition courses	-	•	None			·		
1. Educ	cational goal:								
	iction to the cla ses with mixtu		cture of therr	mal plants an	d air cond	ditioning machines (right	-turn and left-turn cir	cular process	ses), and
2. Educ	cational outcom	nes (acquire	ed knowledge):					
Acauisi	ition of basic kr	nowledge fo	or solvina tech	nical problem	ns of thern	nal energy and designing	heating machines an	id plants.	
		g						- p	
3. Cour	rse content/stru	icture:							
						nts with simple working s h mixtures as working su			
humid a		inxture state	equation, pr	ocesses and	plants wit	IT MIXINES as working su	ibstances. 3) Humiu a	an and proces	sses with
4. Teac	ching methods:								
Lecture	es and Auditory								
	•	Practice. F	Practice accor	mpanies lectu	res and in	cludes high level of stude	ent independency in s	olving probler	ms.
	-	Practice. F	Practice accor	·		cludes high level of stude (maximum 100 points)	ent independency in s	olving probler	ms.
	Pre-examina			·		.		olving probler Mandatory	ms. Points
	se attendance			Knowledge	evaluation Points 5.00	(maximum 100 points)	xam		
Lecture				Knowledge e Mandatory Yes Yes	evaluation Points 5.00 5.00	(maximum 100 points) Final e:	xam	Mandatory	Points
	se attendance			Knowledge e Mandatory Yes	Points 5.00 5.00 20.00	(maximum 100 points) Final e: Written part of the exam	xam	Mandatory	Points
Lecture Test	e attendance e attendance	ation obligat		Knowledge e Mandatory Yes Yes	Points 5.00 5.00 20.00 Liter	(maximum 100 points) Final e: Written part of the exam	xam - tasks and theory	Mandatory Yes	Points 70.00
Lecture	e attendance e attendance		tions	Knowledge e Mandatory Yes Yes Yes	Points 5.00 5.00 20.00 Liter Title	(maximum 100 points) Final e: Written part of the exam ature	xam - tasks and theory Publishe	Mandatory Yes	Points 70.00 Year
Lecture Test	e attendance e attendance A M. Marić	ation obligat	iions Nauka sagor	Knowledge e Mandatory Yes Yes Yes	Points 5.00 5.00 20.00 Liter Title	(maximum 100 points) Final e: Written part of the exam	xam - tasks and theory	Mandatory Yes er n Sadu,	Points 70.00
Lecture Test Ord.	e attendance e attendance M. Marić D. Malić, B. f Valent	ation obligat author Dorđević, V	ions Nauka sagor Termo	Knowledge e Mandatory Yes Yes Yes	Points 5.00 5.00 20.00 Liter Title	(maximum 100 points) Final e: Written part of the exam ature ika, prenos toplote,	xam - tasks and theory Publishe Univerzitet u Novor	Mandatory Yes er n Sadu, nauka	Points 70.00 Year
Lecture Test Ord. 1,	e attendance e attendance M. Marić D. Malić, B. f	ation obligat author Dorđević, V	iions Nauka sagor Termo	Knowledge e Mandatory Yes Yes Yes a o toploti - te evanje	Points 5.00 5.00 20.00 Liter Title rmodinam	(maximum 100 points) Final e: Written part of the exam ature ika, prenos toplote,	xam - tasks and theory Publishe Univerzitet u Novor Fakultet tehničkih n	Mandatory Yes er n Sadu, auka , Beograd	Points 70.00 Year 2006
Lecture Test Ord. 1, 2,	A M. Marić D. Malić, B. F Valent D. Kozić, B. V	ation obligat author Dorđević, V Vasiljević, N	ions Nauka sagor Termo /. Priruč	Knowledge e Mandatory Yes Yes Yes a o toploti - te evanje odinamika stru	Points 5.00 5.00 20.00 Liter Title rmodinam	(maximum 100 points) Final e: Written part of the exam ature ika, prenos toplote,	xam - tasks and theory Publishe Univerzitet u Novor Fakultet tehničkih n Građevinska knjiga	Mandatory Yes er n Sadu, iauka , Beograd	Points 70.00 Year 2006 1970
Lecture Test Ord. 1, 2, 3,	A attendance a attendance A M. Marić D. Malić, B. I Valent Đ. Kozić, B. V Bekavac	ation obligat Author Dorđević, V Vasiljević, V H.N. Shapi , M.A. Bole	tions Nauka sagor Termo /. Priruč iro Funda s Therm	Knowledge e Mandatory Yes Yes Yes a o toploti - te evanje odinamika stru nik za termod amentals of E nodynamics: /	evaluation Points 5.00 20.00 Liter Title rmodinam ujnih proce linamiku i ngineering	(maximum 100 points) Final e: Written part of the exam ature ika, prenos toplote, esa prostiranje toplote	xam - tasks and theory Publishe Univerzitet u Novor Fakultet tehničkih n Građevinska knjiga Građevinska knjiga	Mandatory Yes Per n Sadu, auka , Beograd , Beograd s, Inc.	Points 70.00 Year 2006 1970



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UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

0	:						_		
Course	id:	M212				Fluid Mechanie	cs 1		
Numbe	r of ECTS:	7							
Teache	er:		Bukurov Ž.	Maša					
Course	status:		Mandatory						
Numbe	r of active teac	hing classe	es (weekly)						
L	.ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:
	3	2	2	1		0		0	
Precon	dition courses	-		None			-		
1. Educ	ational goal:								
Introduo applicat		o available	equations i	n the fluid mec	hanics nece	essary for solving powe	r problems, as well a	as the manner	rs of their
2. Educ	ational outcom	nes (acquire	ed knowledg	e):					
Obtainir	ng knowledge	necessary	for solving e	ngineering prol	blems in the	e field of the applied fluid	d mechanics.		
3. Cour	se content/stru	icture:							
Fluid k ⁱ	inematics and	state of s	tress. Poter	ntial flow. Morr	nentum equ	ation. Flow of a comp	ressed fluid. Dynan	nics of a visc	ous fluid.
Bounda	ary layer. Drag	g and lift fo	orce. Theory	y of similarity	and dimens	sion analysis.	·····		
4. Teac	hing methods:								
Teachir	ng is held usin	g the conte	emporary de	vices (all lectu	res are in F	Power Point), but also u	sing the classic met	hod with the c	halk and
			sible objects	e related to the					waton uo
lectures as a blo used to	s and is used to ock teaching fo o obtain final ro	o solve exa or 6 hours, esults and	ng practice mination pro where expe graphics. F	(for 10 weeks) oblems on the b eriments are pe or homework,	and labora board with g erformed wi	ntent are brought to lect story practice (for 5 weil radual derivation of the ith the participation of s ave to complete their e	ctures (pipe element eks). Computing pra result. Laboratory pr tudents, and the ob	s, measuring octice supplen actice classes tained results	devices). nents the are held are then
lectures as a blo used to	s and is used to ock teaching fo	o solve exa or 6 hours, esults and	ng practice mination pro where expe graphics. F	(for 10 weeks) oblems on the b eriments are pe or homework, obtain confi	and labora board with g erformed wi students ha	atory practice (for 5 we radual derivation of the th the participation of s ave to complete their e	ctures (pipe element eks). Computing pra result. Laboratory pr tudents, and the ob	s, measuring octice supplen actice classes tained results	devices). nents the are held are then
lectures as a blo used to	s and is used to ock teaching fo o obtain final ro e they can def	o solve exa or 6 hours, esults and fend their r	ng practice mination pro where expe graphics. F esults and o	(for 10 weeks) oblems on the b eriments are pe or homework, obtain confi Knowledge e	and labora board with g erformed wi students ha	atory practice (for 5 we radual derivation of the th the participation of s	ctures (pipe element eks). Computing pra result. Laboratory pr students, and the ob exercises, so in the	s, measuring actice supplen actice classes tained results subsequent la	devices). nents the are held are then
lectures as a blo used to practice	s and is used to ock teaching fo o obtain final ro	o solve exa or 6 hours, esults and fend their r	ng practice mination pro where expe graphics. F esults and o	(for 10 weeks) oblems on the b eriments are pe or homework, obtain confi	and labora board with g erformed wi students ha evaluation (r Points	ntory practice (for 5 weil radual derivation of the ith the participation of s ave to complete their e maximum 100 points)	ctures (pipe element eks). Computing pra result. Laboratory pr students, and the ob exercises, so in the	s, measuring octice supplen actice classes tained results	devices). nents the are held are then aboratory
lectures as a blo used to practice Exercis	s and is used to ock teaching fo o obtain final ro e they can def Pre-examina	o solve exa or 6 hours, esults and fend their r ation obliga	ng practice mination pro where expe graphics. F esults and o	(for 10 weeks) oblems on the b eriments are pe or homework, obtain confi Knowledge e Mandatory	and labora board with g erformed wi students ha evaluation (r Points	atory practice (for 5 weil pradual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e:	ctures (pipe element eks). Computing pra result. Laboratory pr students, and the ob exercises, so in the	s, measuring actice supplen actice classes tained results subsequent la Mandatory	devices). nents the are held are then aboratory Points
lectures as a blo used to practice Exercis Laborat	s and is used to bock teaching fo o obtain final ro e they can def Pre-examina e attendance	o solve exa or 6 hours, esults and fend their r ation obliga	ng practice mination pro where expe graphics. F esults and o	(for 10 weeks) oblems on the b eriments are per or homework, obtain confi Knowledge e Mandatory Yes	and labora board with g erformed wi students ha evaluation (r Points 2.00 C 3.00 5.00	atory practice (for 5 weil pradual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e:	ctures (pipe element eks). Computing pra result. Laboratory pr students, and the ob exercises, so in the	s, measuring actice supplen actice classes tained results subsequent la Mandatory	Points
lectures as a blo used to practice Exercis Laborat Lecture Test	s and is used to ock teaching fo o obtain final ri- e they can def Pre-examina e attendance tory exercise a	o solve exa or 6 hours, esults and fend their r ation obliga	ng practice mination pro where expe graphics. F esults and o	(for 10 weeks) oblems on the b eriments are period or homework, obtain confii Knowledge e Mandatory Yes Yes	and labora board with g erformed wi students ha evaluation (r Points 2.00 C 3.00 5.00 10.00	atory practice (for 5 weil pradual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e:	ctures (pipe element eks). Computing pra result. Laboratory pr students, and the ob exercises, so in the	s, measuring actice supplen actice classes tained results subsequent la Mandatory	devices). nents the are held are then aboratory Points
lectures as a blo used to practice Exercis Laborat Lecture Test Test	s and is used to ock teaching fo o obtain final ri- e they can def Pre-examina e attendance tory exercise a	o solve exa or 6 hours, esults and fend their r ation obliga	ng practice mination pro where expe graphics. F esults and o	(for 10 weeks) oblems on the b eriments are period or homework, obtain confi Knowledge e Mandatory Yes Yes Yes Yes Yes Yes	and labora board with g erformed wi students ha evaluation (r Points 2.00 C 3.00 5.00 10.00 10.00	atory practice (for 5 weil pradual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e:	ctures (pipe element eks). Computing pra result. Laboratory pr students, and the ob exercises, so in the	s, measuring actice supplen actice classes tained results subsequent la Mandatory	devices). nents the are held are then aboratory Points
lectures as a blo used to practice Exercis Laborat Lecture Test Test	s and is used to ock teaching fo o obtain final ri- e they can def Pre-examina e attendance tory exercise a	o solve exa or 6 hours, esults and fend their r ation obliga	ng practice mination pro where expe graphics. F esults and o	(for 10 weeks) oblems on the b eriments are period or homework, obtain confi Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes	and labora board with g erformed wi students ha evaluation (r Points 2.00 C 3.00 5.00 10.00 10.00 10.00	atory practice (for 5 weil pradual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e:	ctures (pipe element eks). Computing pra result. Laboratory pr students, and the ob exercises, so in the	s, measuring actice supplen actice classes tained results subsequent la Mandatory	devices). nents the are held are then aboratory Points
lectures as a blo used to practice Exercis Laborat Lecture Test Test	s and is used to ock teaching fo o obtain final ri- e they can def Pre-examina e attendance tory exercise a	o solve exa or 6 hours, esults and fend their r ation obliga	ng practice mination pro where expe graphics. F esults and o	(for 10 weeks) oblems on the b eriments are period or homework, obtain confi Knowledge e Mandatory Yes Yes Yes Yes Yes Yes	and labora board with g erformed wi students ha evaluation (r Points 2.00 C 3.00 5.00 10.00 10.00 10.00 10.00	tory practice (for 5 we radual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e: Dral part of the exam	ctures (pipe element eks). Computing pra result. Laboratory pr students, and the ob exercises, so in the	s, measuring actice supplen actice classes tained results subsequent la Mandatory	devices). nents the are held are then aboratory Points
lectures as a blo used to practice Exercis Laborat Lecture Test Test Test	s and is used to book teaching for b obtain final ri- e they can def Pre-examina e attendance tory exercise a e attendance	o solve exa or 6 hours, esults and rend their r ation obliga ttendance	ng practice mination pro where expe graphics. F esults and o	(for 10 weeks) oblems on the b eriments are period or homework, obtain confi Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes	and labora board with g erformed wi students ha evaluation (r Points 2.00 C 3.00 5.00 10.00 10.00 10.00 10.00 Literat	tory practice (for 5 we radual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e: Dral part of the exam	ctures (pipe element eks). Computing pra result. Laboratory pr tudents, and the ob exercises, so in the xam	s, measuring loctice supplen actice classes tained results subsequent la Mandatory Yes	devices). nents the are held are then aboratory Points 50.00
lectures as a blo used to practice Exercis Laborat Lecture Test Test Test Test Ord.	s and is used to book teaching for o obtain final rule they can def Pre-examinate attendance tory exercise a tattendance	o solve exa or 6 hours, esults and rend their r ation obliga ttendance	ng practice of mination pro- where expe- graphics. F esults and of tions	(for 10 weeks) oblems on the b eriments are period or homework, obtain confi Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes Yes	and labora board with g erformed wi students ha evaluation (r Points 2.00 C 3.00 5.00 10.00 10.00 10.00 10.00	tory practice (for 5 we radual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e: Dral part of the exam	ctures (pipe element eks). Computing pra result. Laboratory pr tudents, and the ob exercises, so in the xam	s, measuring loctice supplen actice classes tained results subsequent la Mandatory Yes	devices). hents the are held are then aboratory Points 50.00
lectures as a blo used to practice Exercis Laborat Lecture Test Test Test Test Ord. 1,	s and is used to book teaching for o obtain final ru e they can def Pre-examina e attendance tory exercise a a attendance	o solve exa or 6 hours, esults and fend their r ation obliga ttendance	ng practice of mination production productin production production production production	(for 10 weeks) oblems on the b eriments are pe or homework, obtain confi Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes Yes anika fluida 1	and labora board with g erformed wi students ha evaluation (r Points 2.00 C 3.00 5.00 10.00 10.00 10.00 10.00 Literat	tory practice (for 5 we radual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e: Dral part of the exam	ctures (pipe element eks). Computing pra result. Laboratory pr students, and the ob exercises, so in the s xam Publish skripta	s, measuring loctice supplen actice classes tained results subsequent la Mandatory Yes	devices). hents the are held are then aboratory Points 50.00 Year 2010
lectures as a blo used to practice Exercis Laborat Lecture Test Test Test Test Ord.	s and is used to book teaching for o obtain final rule they can def Pre-examinate attendance tory exercise a tattendance	solve exa or 6 hours, esults and frend their r ation obliga ttendance	ng practice of mination production productin production production production production	(for 10 weeks) oblems on the b eriments are peo- or homework, obtain confi Knowledge e Mandatory Yes Yes Yes Yes Yes Yes Yes anika fluida 1 anika fluida	and labora board with g erformed wi students ha evaluation (r Points 2.00 C 3.00 5.00 10.00 10.00 10.00 10.00 10.00 t.iterat Title	tory practice (for 5 we radual derivation of the th the participation of s ave to complete their e maximum 100 points) Final e: Dral part of the exam	ctures (pipe element eks). Computing pra result. Laboratory pr tudents, and the ob exercises, so in the xam	s, measuring loctice supplen actice classes tained results subsequent la Mandatory Yes	devices). nents the are held are then aboratory Points 50.00 Year
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UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:									
Course	id:	M3302			٦	Thermoenergy F	Plants		
Number	r of ECTS:	6							
Teache	rs:		Grković R.	Vojin, Jovanovi	ić S. Aleks	sandar			
Course	status:		Mandatory						
Number	r of active teac	hing classe	s (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:
	3	2		0		0		1	
Precon	dition courses		<u> </u>						
1. Educ	ational goal:			<u>.</u>					
	g students for ion (basic eng	0 0/	exploitation	i, engineering a	ind consul	llting in the field of thermo	penergy plants on the	e basis of fun	damental
2. Educ	ational outcom	nes (acquire	ed knowledg	je):					
knowled	dge of all proc	esses calc	ualtion in th		ants and o	wledge on processes in operation states on the b J.			
3. Cour	se content/stru	icture:							
systems forecas Fundan turbine, assess technolo – advar	s in Serbia. (P ting – TEP ir nental TEP pr with gas turbi ment). Basic ogies (stationa	ower Utility pplementa ocesses (C ne with coo TEP equip rry – project	Systems in tion in ener Combustion bling and wi ment (stear t and nonca	n Serbia, energ rgy system– ac processes, he th combined sto m generators, lculation states	y systems ccording t eat transfe eam and g steam an and non s	TEP displaying, TEP str s in Belgrade and Novi S to energy and power – ⁻ er process, process of er gas turbine – Material de d gas turbines, electro stationary – transitionsl st geration systesm, Ecolo	ad). Previous TEP d TEP implementation nergy transformation gradation process ar equipment). Fundar ates).TEP ragulatior	efining (Ener in the envir in TEP – w ind life expect nental TEP o (Manners a	gy needs onmnent. ith steam ancy, risk operation nd effects
4. Teac	hing methods:								
Vebal m	nethod, Visual	method and	d practical n	nethod.					
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	-	Mandatory	Points
	ter exercise att	tendance		Yes		Written part of the exam	- tasks and theory	Yes	70.00
	e attendance			Yes	5.00				
Graphic	attendance			Yes	20.00 5.00				
Leciule	allenuarice			Yes		ature			
Ord		uthor					Dublich	or I	Voar
0rd. 1.	Ord. Author Title Publisher Year 1, Grković V. i Jovanović A. Termoenergetska postroje-nja – procesi i oprema FTN, Novi Sad 2010								
Ι,				noenergeiska p	iosiioje-Nj		1 111, NUVI Jau		2010



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:	M3311 Renewable Energy Sources							
Course id:	M3311			Ren	ewable Energy	Sources		
Number of ECTS:	6							
Teachers:		Gvozdenac	D. Dušan, Gvo	ozdenac l	Jrošević D. Branka			
Course status:		Mandatory						
Number of active teac	hing classe	es (weekly)						
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:
3	2	2	0		0		0	
Precondition courses	-		None		•			
1. Educational goal:								
Acquiring knowledge of	of the poter	ntial applicati	ions of renewa	ble energy	y sources.			
2. Educational outcom	nes (acquire	ed knowledg	e):					
Training students to us	se knowled	ge gained in	n further educat	tion and fu	ture engineering practice			
3. Course content/stru	icture:							
wind power (independ estimates of available usage. Geothermal er effects on the environi biofuels. Nuclear ene waste (legislation). N	dent and ir energy, m nergy: type ment. Biom ergy: the pr ew techno ical energ	iteractive), t omentum an s of geother lass: biomas ocess of obt logies (fuel y storage (t	echnical probl nd reaction turb mal resources s characteristic taining nuclear cells, compres	ems and pines, hyd , resource cs, techno r energy, ssed hydr	machines working on the solutions. Hydro energy: ro power plants as part of es, technology and syster ilogies and systems for bi nuclear fuel, nuclear inst ogen). Energy storage of electrolysis, the stor	resources, use of d f power systems, sma ns to exploit them (di omass (combustion, tallations (reactors, p e: general part, the a	Iriving forces all hydro, way irect or indire gasification, p power plants accumulation	of water, ve energy ct usage) pyrolysis),), nuclear of hydro
4. Teaching methods:								
area / topic that individ The teacher assesses	dually defer the work a the whole t	nd in front of and the pres eaching mat	colleagues and entation of eac terial during th	d teachers ch candida e lectures	e supervision students wri s. Selection of topics is co ate and the average score s and it is eliminatory. Th ecture hours.	nsistent with student	s` interests. le audience (students).
			Knowledge e	evaluation	(maximum 100 points)			
Pre-examina	ation obligation	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Exercise attendance			Yes	5.00	Theoretical part of the ex	am	Yes	70.00
Lecture attendance			Yes	5.00				
Term paper			Yes	20.00				
					ature			
	uthor			Title		Publishe	-	Year
1, B. Nakomčić		Alter	nativna energe	etika - skri	pta	Interno izdanje FTN	I-a	2003



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:				_				
Course	id:	M222A			Ene	rgy System Eng	gineering		
Numbe	r of ECTS:	4							
Teache	ers:	(Gvozdenac D). Dušan, Gv	ozdenac L	Jrošević D. Branka			
Course	status:	1	Mandatory						
Numbe	r of active tead	hing classes	(weekly)						
L	ectures:	Practical c	lasses:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	2	2		0		0		0	
Precon	dition courses			None		•			
1. Educ	ational goal:			-					
Traininç	g students to b	e able to org	anize and m	anage the en	igineering	process regarding the en	ergy systems.		
2. Educ	ational outcom	nes (acquired	d knowledge)):					
The kno	owledge will er	able student	ts to work in	engineering p	oractice.				
3. Cour	se content/stru	icture:							
econom using c projects analysis technol energy	nic benefits to lean technolog s; Understandi s; Financing m logies; Legislat	society arisi jies; Making ng the elem nechanisms, ion in Serbia	ng from the "Cost-benef ents of the fo including sp a and the Eu	execution of fit" analysis; I easibility stud ecific forms of ropean Unior	those pro Elements dy; Manag of financin n, possible	clean energy technology jects; Calculations and p and methods for econom gement and monitoring of g for projects related to g govermental mechanism material from lectures an	otential effects of cal ic efficiency of the e project implemental environmental protect ns for the promotion	bon dioxide ingineering-in ion; Risk Ass tion and cleat and subsidies	reduction vestment sessment in energy s of clean
	hing methods:								
	es, practice, co								
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obligation	ons	Mandatory	Points	Final ex	kam	Mandatory	Points
Project				Yes		Theoretical part of the ex	am	Yes	70.00
Project	task			Yes	15.00				
	-				Liter	ature		-	
Ord.	-	uthor			Title		Publishe	er	
	Behrens, W.		I PRIRI	JCNIK ZA VF	REDNOVA	NjE INDUSTRIJSKIH			Year
1,	P.M.	, Haweanek,		EKATA			UNIDO, Beograd		Year 1990



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	:								
Course	id:	M3303		Fu	ndamer	ntals of Proces	s Engineerin	g	
Numbe	r of ECTS:	6							
Teache	ers:		Sokolović	S. Dunja, Dragu	utinović D. G	Gordan, Đaković D. Dam	ir, Đurić N. Slavko		
Course	status:		Mandator	у					
Numbe	r of active tead	ching classe	es (weekly))					
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	3		2	0		0		1	
Precon	dition courses			None		•			
1. Educ	cational goal:								
	ction to the ba			hods of problem	solution in	the field of process eng	ineering, as well as	with the applic	cations t
2. Educ	cational outcon	nes (acquir	ed knowled	lge):					
	edge gain abor ial plants in va				alysis, as w	vell as about applicatior	n possibilities of pro	ocess operatio	ons withi
3. Cour	se content/stru	ucture:							
technol	logical relatior	ns, process	ing conce	ot in PE). Basic	diums, mult process op	ticomponent substance perations (operations wi	thout additional me	oparatus-proce diums, operat	ions wit
technol additior environ of susta equatio Theory Efficien manago integrat 4. Teac Lecture exercis	logical relation nal mediums, iments (equilib ainable princip or of diffusional net of process ement of process ching methods: es, computing ies and examin	ns, process complex pr rium condit les in multir rocedures). I mass train s operation sess plants databases and cuditor nation. Alte	ing concept rocess oper ions, differ component Fluid mec s and sys . Economi and calcu ry exercise ernatively, t	ot in PE). Basic erations). Conce ent ways of expr environments – hanics of multipl basis of PE. Cl tems. Application cs of process sy lations. Process s, consultation.	diums, mult process op pt of equilib ession of tra balance me hase system nemical kin n of numer ystems. Me s plants and	ticomponent substances perations (operations wi prium and transfer phen ansfer potential expressi ethods (general derivation ns as a basis of PE. The tetics and PE. Similarit rical technique and cor ethods and procedures	s, concentration, ap thout additional me iomena in multicom ion, fluxes, convective rmodynamics of mix- rmodynamics of the sur- according to the sur-	oparatus-proce diums, operat ponent hetero ve transfer). Aj ons and macro xtures as a baa and simulatio bitoring, regula PT. Methods of cccess at the co	tions wi ogeneou pplicatico o balanco sis of P on in P ation ar of energ
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:	:								
Course	id:	M215			Funda	amentals of Hea	at Transfer		
Number	r of ECTS:	7							
Teache	r:		Dragutinovid	ć D. Gordan					
Course	status:		Mandatory						
Number	r of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:
	3	2	2	0		C		1	
Precond	dition courses	-		None		•			
1. Educ	ational goal:			-					
	ction to the cla is in technical		ews of the ba	asic phenome	na of hea	t transfer, and introduction	on to the methods of	heat transfer	r problem
2. Educ	ational outcom	nes (acquire	ed knowledge	e):					
Acauisit	tion of basic kr	nowledge fo	or heat transf	er assessmen	t. selectior	n and check of the heat e	xchangers.		
					-,		<u> </u>		
3. Cours	se content/stru	icture:							
1) Heat	conduction, 2)) Heat conv	ection, 3) He	eat radiation, 4) Heat trar	nsfer with the change of p	hases (boiling and co	ondensation).	
4. Teac	hing methods:								
Lecture problem		y Practice.	Auditory pr	actice accom	panies leo	ctures and includes high	n level of student ind	lependency i	n solving
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obligation	tions	Mandatory	Points	Final e	xam	Mandatory	Points
Exercise	e attendance			Yes	5.00	Written part of the exam	- tasks and theory	Yes	70.00
	attendance			Yes	5.00				
Test				Yes	20.00				
					Liter			î	
Ord.		uthor			Title		Publishe		Year
1,	D. Milinčić			tiranje toplote	modinam	ika, prenos toplote,	Naučna knjiga, Bec Univerzitet u Novor		1989
2,	M. Marić		sago	revanje	mounam	ווינג, אוטועס נטאוטופ,	Fakultet tehničkih n	,	2006
3,	Ð. Kozić, B. V Bekavac	Vasiljević, ∖	/. Prirué	čnik za termod	linamiku i	prostiranje toplote	Građevinska knjiga	, Beograd	1983
4,	F. Incropera,	D. DeWitt	Fund	amentals of H	eat and M	ass Transfer	John Wiley & Sons		1985
5,	D. Pits, L. Sis	ssom	Theo	ry and Probler	ns of Hea	Transfer	Shaum"s Outline So McGrow-Hill	eries,	1998
6,	J. Lienhardd V		АНе	at Transfer Te	xtbook				2002
7,	D. Milinčić, B Đorđević	. Vasiljević	, R. Probl	lemi iz prostira	nja toplote)	Građevinska knjiga	, Beograd	1983



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:								
Course id:	M211			Mea	surement and R	egulation		
Number of ECTS:	6							
Teachers:		Đaković D. I	Damir, Grković	R. Vojin,	Gvozdenac D. Dušan, Pe	etrović R. Jovan		
Course status:		Mandatory						
Number of active te	eaching classe	s (weekly)						
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
2	2		0		0		0	
Precondition course	es	-	None		-			
1. Educational goal	:							
Introduction to stud analysis of measur					asurement specificity of so	ome process paramet	ters, and to tr	aining for
2. Educational outo	omes (acquire	d knowledge	e):					
		•	,	ts of mea	suring and regulatory tech	nique		
3. Course content/s	structure:							
General character	istics of meas ement of temp	uring device perature, pre	es. Errors duri	ing engin	gineering, general terms. eering measurements. M luid levels, moisture, com	leasurement units a	nd standards	of basic
4. Teaching metho	ds:							
Lectures. Laborato defend of laborator				n written	form. The grade is forme	d according to the su	ccess at writ	en exam
			Knowledge e	evaluation	(maximum 100 points)			
Pre-exam	ination obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points
Laboratory exercise			Yes		Theoretical part of the ex	am	Yes	60.00
Lecture attendance	•		Yes	5.00	1			
Project defence			Yes	30.00				
					ature			
Ord.	Author			Title		Publishe	er	Year
1, Prof. Dr D	ušan Gvozder	nac Mere	nje i regulisanj	je u termo	procesnoj tehnici			2001



UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:								
Course	id:	M3403				Fluid Machine	es		
Numbe	r of ECTS:	7							
Teache	ers:		Bukurov Ž	. Maša, Sokolov	rić S. Dunj	a, Uzelac N. Dušan			
Course	status:		Mandatory	/					
Numbe	r of active teac	hing classe	s (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	4	2	2	0		0		1	
Precon	dition courses					•			
1. Educ	cational goal:			<u>.</u>					
	-	dge necess	ary for appl	ication and desi	gn of fluid	machine – pumps and ve	entilators.		
2. Educ	cational outcom	nes (acquire	ed knowled	ge):					
Design,	, work and mai	ntenance o	f pumps, ve	entilators and co	mpressor	5.			
3. Cour	rse content/stru	icture:							
experim	nental determi	nation of w	orking cha	racteristics; sim	ilarity laws	flow, effort, needed pow s; non-dimensional chara	acteristics; cavitation	; flow control;	reserve); ; working
experin stability calculat circuits theoreti 4. Teac	nental determi y; connecting r tion of stator el of fluid machi ical difference ching methods:	nation of w nore machi lements of o nes: workir s between	orking cha nes to the centrifugal ng circuits pumps, ve	racteristics; sim mutual pipeline machine: plana with distorted p	ilarity laws ; axial fore theory; a lates; plar		acteristics; cavitation on of radial working c ference methods and on of axial working c	e, cavitation ; flow control; ircuits by line calculation o circuits; desig	reserve); ; working e method; f working
experin stability calculat circuits theoreti 4. Teac	nental determi y; connecting r tion of stator el of fluid machi ical difference	nation of w nore machi lements of o nes: workir s between	orking cha nes to the centrifugal ng circuits pumps, ve	racteristics; sim mutual pipeline machine: plana with distorted p ntilators and co	ilarity laws ; axial foro theory; a lates; plar mpressor	s; non-dimensional chara ce; line theory; calculatio pplication of the finite diff nar profile bars: calculati s; novelties in theory and	acteristics; cavitation on of radial working c ference methods and on of axial working c	e, cavitation ; flow control; ircuits by line calculation o circuits; desig	reserve); ; working e method; f working
experin stability calculat circuits theoreti 4. Teac	nental determi y; connecting r tion of stator el of fluid machi ical difference ching methods: es, Auditory and	nation of w nore machi lements of nes: workir s between d Laborator	orking cha nes to the centrifugal ng circuits pumps, ve y Practice	racteristics; sim mutual pipeline machine: plana with distorted p ntilators and co Knowledge e	ilarity laws ; axial ford r theory; a lates; plar mpressor	s; non-dimensional chara ce; line theory; calculatio pplication of the finite diff nar profile bars: calculati s; novelties in theory and (maximum 100 points)	acteristics; cavitation in of radial working c erence methods and on of axial working c d practice of turbines	e, cavitation ; flow control; ircuits by line calculation o circuits; desig s.	reserve); ; working • method; f working ning and
experin stability calculat circuits theoreti 4. Teac Lecture	nental determi y; connecting r tion of stator el of fluid machi ical difference ching methods: es, Auditory and Pre-examina	nation of w nore machi lements of nes: workir s between d Laborator	orking cha nes to the centrifugal ng circuits pumps, ve y Practice	racteristics; sim mutual pipeline machine: plana with distorted p ntilators and co Knowledge e Mandatory	ilarity laws ; axial ford theory; a lates; plar mpressor evaluation Points	s; non-dimensional chara ce; line theory; calculatio pplication of the finite diff nar profile bars: calculati s; novelties in theory and (maximum 100 points) Final ex	acteristics; cavitation in of radial working c rerence methods and on of axial working c d practice of turbines	e, cavitation ; flow control; ircuits by line calculation o circuits; desig s. Mandatory	reserve); ; working e method; f working ning and Points
experin stability calculat circuits theoreti 4. Teac Lecture Graphic	nental determi y; connecting r tion of stator el of fluid machi ical difference ching methods: es, Auditory and Pre-examina	nation of w nore machi lements of nes: workir s between d Laborator	orking cha nes to the centrifugal ng circuits pumps, ve y Practice	racteristics; sim mutual pipeline machine: plana with distorted p ntilators and co Knowledge e	ilarity laws ; axial ford r theory; a lates; plar mpressors evaluation Points 30.00	s; non-dimensional chara ce; line theory; calculatio pplication of the finite diff nar profile bars: calculati s; novelties in theory and (maximum 100 points) Final ex Written part of the exam	acteristics; cavitation in of radial working c rerence methods and on of axial working c d practice of turbines	e, cavitation ; flow control; ircuits by line calculation o circuits; desig s.	reserve); ; working a method; f working ning and
experin stability calculat circuits theoreti 4. Teac Lecture Graphic	nental determi y; connecting r tion of stator el of fluid machi ical difference ching methods: es, Auditory and Pre-examina c paper	nation of w nore machi lements of nes: workir s between d Laborator	orking cha nes to the centrifugal ng circuits pumps, ve y Practice	racteristics; sim mutual pipeline machine: plana with distorted p ntilators and co Knowledge e Mandatory Yes	ilarity laws ; axial ford r theory; a lates; plar mpressors evaluation Points 30.00	s; non-dimensional chara ce; line theory; calculatio pplication of the finite diff har profile bars: calculati s; novelties in theory and (maximum 100 points) Final ex Written part of the exam Oral part of the exam	acteristics; cavitation in of radial working c rerence methods and on of axial working c d practice of turbines	e, cavitation ; flow control; ircuits by line calculation o circuits; desig s. Mandatory Yes	reserve); ; working method; f working ning and Points 30.00
experin stability calculat circuits theoreti 4. Teac Lecture Graphic	nental determi y; connecting r tion of stator el of fluid machi ical difference ching methods: es, Auditory and Pre-examina c paper e attendance	nation of w nore machi lements of nes: workir s between d Laborator	orking cha nes to the centrifugal ng circuits pumps, ve y Practice	racteristics; sim mutual pipeline machine: plana with distorted p ntilators and co Knowledge e Mandatory Yes	ilarity laws; ; axial ford theory; a lates; plar mpressors evaluation Points 30.00 10.00	s; non-dimensional chara ce; line theory; calculatio pplication of the finite diff har profile bars: calculati s; novelties in theory and (maximum 100 points) Final ex Written part of the exam Oral part of the exam ature	acteristics; cavitation in of radial working c rerence methods and on of axial working c d practice of turbines	e, cavitation ; flow control; ircuits by line calculation o circuits; desig s. Mandatory Yes Yes	reserve); ; working method; f working ning and Points 30.00
experin stability calculat circuits theoreti 4. Teac Lecture Graphic Lecture	nental determi y; connecting r tion of stator el of fluid machi ical difference ching methods: es, Auditory and Pre-examina c paper e attendance	nation of w nore machi lements of nes: workir s between d Laborator ation obligat	orking cha nes to the centrifugal ng circuits pumps, ve y Practice	racteristics; sim mutual pipeline machine: plana with distorted p ntilators and co Knowledge e Mandatory Yes Yes	ilarity laws ; axial ford theory; a lates; plar mpressor Points 30.00 10.00 Litera Title	s; non-dimensional chara ce; line theory; calculatio pplication of the finite diff har profile bars: calculati s; novelties in theory and (maximum 100 points) Final ex Written part of the exam Oral part of the exam ature	acteristics; cavitation in of radial working c erence methods and on of axial working c d practice of turbines kam - tasks and theory	e, cavitation ; flow control; ircuits by line calculation o circuits; desig s. Mandatory Yes Yes	reserve); ; working method; f working ning and Points 30.00 30.00
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UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:	_		_					
Course	id:	M3301		Pi	umping	g and Compres	sion Stations		
Numbe	r of ECTS:	6							
Teache	ers:	В	ukurov Ž. N	Maša, Sokolov	rić S. Dunj	ja, Uzelac N. Dušan			
Course	status:	M	landatory						
Numbe	r of active teac	hing classes	(weekly)						
L	ectures:	Practical cla	asses:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:
	3	3		0		0)	0	
Precon	dition courses			None		•			
1. Educ	ational goal:								
	tion of necessa s, gaslines and		e for desigi	ning pumping,	compres	sion and stations for natu	ral gas as parts of the	e plants such	as water
2. Educ	ational outcom	nes (acquired	knowledge	e):					
Desiani	ing, work and r	naintenance o	of pumpina	. compression	and natu	ral gas stations.			
			- p p 9	,,p					
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Pumpir pumpin selectic calculat selectic	ng and compre ng and compre on. Supports, h tions. Pumping	ession statior ession statior nolders of sup g stations, cla ment of equip	ns. Pipes, ports, clas ssification,	classification, ssification, cal	calculati culations. arranger	on and selection. Pipe f	ittings, working desc ation, calculations. P lations. Compressor s	ription, class ressurized co stations, class	sification ontainers sification
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Pumpir pumpin selectic calculat selectic 4. Teac Lecture Exercis Lecture Present Test	ng and compre ng and compre on. Supports, H tions. Pumping on and arrange thing methods: as – Auditory pr Pre-examina e attendance attendance tation	ession station ession station nolders of sup g stations, cla ment of equip ractice – Labo	ns. Pipes, j oports, clas ssification, oment, calc	classification, ssification, cale selection and culations. Gas ctice – Consult Knowledge e Mandatory Yes Yes Yes	calculations. arranger stations. evaluation Points 5.00 5.00 10.00 10.00 Liter	on and selection. Pipe f Compensators, classific nent of equipment, calcu classification, selection a (maximum 100 points) Final e: Written part of the exam	ittings, working desc ation, calculations. P lations. Compressor s nd arrangement of ec xam - tasks and theory	ription, class ressurized cc stations, class quipment, cale Mandatory Yes	sification ontainers sification culations Points 70.00
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

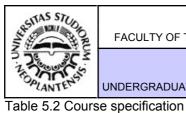


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:					-	(·			
Course i	id:	M33SP			P	rofessional Pra	actice		
Number	of ECTS:	3							
Teacher	'S:								
Course	status:		Mandato	ry					
Number	of active teac	hing classe	es (weekly	()					
Le	ectures:	Practical	classes:	Other teachir	ng types:	Study resea	arch work:	Other cla	asses:
	0	C)	0		0		3	
Precond	lition courses			None					
1. Educa	ational goal:								
				oning and organiz application of prev		companies and institut ired knowledge.	ions dealing with the	profession th	e student
2. Educa	ational outcom	nes (acquire	ed knowle	dge):					
problem	s within the c	hose comp	any or ins	stitution. Introduci	ng students	essional knowledge for to the jobs of the chos r organizational structu	en company or instit		
3. Cours	e content/stru	icture:							
				in agreement with of the profession		any or institution mana being trained for.	gement where the p	rofessional p	ractice is
4. Teach	ning methods:								
Consulta practice.		ting of the I	professior	nal practice journa	I where the	student describes activ	vities and jobs done c	luring the pro	ofessional
				Knowledge e	valuation (r	naximum 100 points)			
	Pre-examina	tion obligation	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
					Literat	ure			
Ord.	A	uthor			Title		Publishe	er	Year



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	9:	_							
Course	e id:	M3305		Hea	ting, Ve	entilation and A	ir-Conditionii	ng	
Numbe	er of ECTS:	8	1						
Teache	er:		Bjelaković	ć M. Radivoje					
Course	e status:		Mandator	v					
Numbe	er of active tead	ching classe		,					
	Lectures:	Practical		Other teachi	na types:	Study resea	arch work:	Other cla	asses.
-	4		1	2		0		1	
Precon	dition courses		·	None		°			
	cational goal:								
	opment of engin	neering app	broach in de	esign and impler	nentation of	f installations and plants	in the field of heatin	g, ventilation	and air
	cational outcor	mes (acquire	ed knowled	lge):					
Acquis	ition of knowle	dae for des	sion and im	nlementation of	installations	s and plants in the field	of heating ventilation	n and air-cor	nditionin
				education and pr			, vontaduo		
3. Cour	rse content/str	ucture:							
of air p		cess for sur				nditioning equipment. C ing. Calculation and sele			
4. Teac Lecture by exa	ching methods es, Practice, C mples of the c ting examples	: onsultations lesigned or are done re	implemen elated to th	ted solutions in e lectured know	the practice edge. Durin	During lectures theoreti e. Practice accompanie ng consultations addition	s lectures where lab nal explanations rela	oratory exercited to the lect	cises an tures an
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4. Teac Lecture by exa comput practice knowle Exercis Homew	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork	: onsultations designed or are done re onsultation: urse, typical	implemen elated to th s are also l installatio	ted solutions in e lectured know done during ma ns and plants a Knowledge e Mandatory Yes Yes	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex	s lectures where lab nal explanations rela order to better under	oratory exercited to the lect stand and action Mandatory	cises an tures an cquire fu Points
4. Teac Lecture by exa comput practic knowle Exercis Homew Lecture	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance	: onsultations designed or are done re onsultation: urse, typical	implemen elated to th s are also l installatio	ted solutions in e lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00 5.00	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex	s lectures where lab nal explanations rela order to better under	oratory exercited to the lect stand and action Mandatory	cises an tures an cquire fu Points
4. Tead Lecture by exa comput practic knowle Exercis Homew Lecture Project	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork	onsultations lesigned or are done re onsultation urse, typical ation obliga	implemen elated to th s are also l installatio	ted solutions in le lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes Yes	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex	s lectures where lab nal explanations rela order to better under	oratory exercited to the lect stand and action Mandatory	cises an tures an cquire fu Points
4. Teac _ecture by exa comput practice practice comput practice pr	ching methods es, Practice, C mples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence	onsultations lesigned or are done re onsultation urse, typical ation obliga	implemen elated to th s are also l installatio	ted solutions in e lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00 5.00 15.00 30.00	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex Dral part of the exam	s lectures where lab nal explanations rela order to better under	oratory exercited to the lect stand and action Mandatory	cises an tures an cquire fu Points
4. Tead _ecture by exa computer practice ractice anowle Exercise Homew _ecture Project Written	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the examples	onsultations lesigned or are done re onsultation urse, typical ation obliga	implemen elated to th s are also l installatio	ted solutions in le lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes Yes	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00 5.00 15.00 30.00 Literatu	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex Dral part of the exam	s lectures where lab nal explanations rela order to better under kam	oratory exercited to the lect rstand and action Mandatory Yes	cises an tures an
4. Tead becture by exal comput practic comput comput practic comput c	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the examination of the examination of the examina	: onsultations designed or are done re consultation urse, typical ation obligat ation obligat ation obligat	implemen elated to th s are also l installatio tions	ted solutions in le lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes Yes	the practice edge. Durin king design re visited. valuation (n Points 10.00 0 10.00 5.00 15.00 30.00 Literatu	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex Dral part of the exam	s lectures where lab hal explanations rela order to better under kam Publishe	Mandatory Yes	cises an tures an cquire fu Points 30.0
L. Tead operation compute comp	ching methods es, Practice, C mples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the ex	: onsultations lesigned or are done re consultation urse, typical ation obligation ati	implemen elated to th s are also l installatio tions and theory Gree	ted solutions in e lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes ejanje i klimatiza	the practice edge. Durin king design re visited. valuation (n Points 10.00 0 10.00 5.00 15.00 30.00 Literatu Title	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex Dral part of the exam	s lectures where lab nal explanations rela order to better under kam	Mandatory Yes	cises an tures an cquire fu Points 30.0
L. Tead ecture by exal compute practice practice compute practice Exercise Homew ecture Project Written Ord. 1,	ching methods es, Practice, C mples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the exa Recknagel/S B.Todorović	: onsultations designed or are done re consultation urse, typical ation obligation ation	implemen elated to th s are also l installatio tions and theory Green Pro-	ted solutions in e lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes ejanje i klimatiza	the practice edge. Durin king design re visited. valuation (n Points 10.00 0 10.00 5.00 15.00 30.00 Literatu Title	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex Dral part of the exam	s lectures where lab hal explanations rela brder to better under kam Ambulant Publishe Gradjevinska knjiga	Mandatory Yes	cises an tures an cquire ft Points 30.0 Year 2005
A. Tead ecture by exa- computer practice mowle Exercise Homew Project Vritten Ord. 1, 2,	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the exa Recknagel/S B.Todorović B.Todorović	: onsultations designed or are done re consultation urse, typical ation obligation ation	implemen elated to th s are also l installatio tions and theory and theory Gree Pro	ted solutions in e lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes ejanje i klimatiza	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00 5.00 15.00 30.00 Literatu Title cija ojenja za ce	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex Dral part of the exam	s lectures where lab hal explanations rela order to better under cam Publishe Gradjevinska knjiga Mašinski fakultet,Be	Mandatory Yes	cises an tures an cquire fu Points 30.0 Year 2005 2009
A. Tead becture by exa- comput practice mowle Exercise Homew Project Vritten Ord. 1, 2, 3,	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the exa Recknagel/S B.Todorović B.Todorović S.Zrnić,Ž.Ću A.Djordjević	: onsultations designed or are done re consultation urse, typical ation obligation at	implemen elated to th s are also l installatio tions and theory and theory Gree Pro Klin Gree Pro	ted solutions in e lectured know done during ma ins and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes ejanje i klimatiza ojektovanje postr matizacija	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00 5.00 15.00 30.00 Literatu Title cija	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex Dral part of the exam	s lectures where lab hal explanations rela order to better under am Publishe Gradjevinska knjiga Mašinski fakultet,Be SMEITS,Beograd	er ABeograd grad	cises an tures an cquire fu Points 30.0 Year 2005 2009 2009
4. Tead becture by exa- comput bractick nowle Exercise Homew Decture Project Written Ord. 1, 2, 3, 4,	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the examples B.Todorović B.Todorović S.Zrnić,Ž.Ću	: onsultations designed or are done re consultation urse, typical ation obligation at	implemen elated to th s are also l installatio tions and theory and theory Gree Pro Klin Gree Pro Dvić - Ra	ted solutions in e lectured know done during ma ins and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes ejanje i klimatiza ojektovanje postr matizacija ejanje i klimatiza ojektovanje klima	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00 5.00 15.00 30.00 Literatu Title cija ojenja za ce cija instalacija klimatizacio	e. Practice accompanie ng consultations addition as and term papers. In o maximum 100 points) Final ex Dral part of the exam ure entralno grejanje	s lectures where lab hal explanations rela order to better under aam Publishe Gradjevinska knjiga Mašinski fakultet,Be SMEITS,Beograd Naučna knjiga,Beog	er ABeograd grad	cises an tures an cquire fu Points 30.0 Year 2005 2009 2009 1995
4. Tead Decture Dy exa computer practice computer practice computer practice computer computer practice computer Project Written Ord. 1, 2, 3, 4, 5,	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the ex. Recknagel/S B.Todorović S.Zrnić,Ž.Ću A.Djordjević B. Todorović Đapa	: onsultations designed or are done re consultation: urse, typical ation obligation ation o	implemen elated to th s are also l installatio tions and theory Green Pro- pro- pro- pro- Ra Saue Prii	ted solutions in e lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes ejanje i klimatiza ojektovanje postr matizacija ejanje i klimatiza ojektovanje klima zvod vazduha u nciples of Heatin	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00 5.00 15.00 30.00 Literatu Title cija ojenja za ce cija instalacija klimatizacio	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex Dral part of the exam	s lectures where lab hal explanations rela order to better under am Publishe Gradjevinska knjiga Mašinski fakultet,Be SMEITS,Beograd Naučna knjiga,Beograd	er ABeograd ograd ograd	cises an tures an cquire fu Points 30.0 Year 2005 2009 2009 1995 1967
4. Tead ecture by exa compute practice compute practice compute practice compute practice compute project Written Ord. 1, 2, 3, 4, 5, 6,	ching methods es, Practice, C mples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the exa Recknagel/S B.Todorović B.Todorović B.Todorović B.Todorović B.Todorović B.Todorović Re. Howell, V	: onsultations designed or are done re consultation: urse, typical ation obligation ation o	and theory and theory Gre Criticology Gre Gre Criticology G	ted solutions in e lectured know done during ma ins and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes ejanje i klimatiza ojektovanje postr matizacija ejanje i klimatiza ojektovanje klima	the practice edge. Durin king design re visited. evaluation (n Points 10.00 0 10.00 0 10.00 15.00 30.00 15.00 30.00 Literatu Cija ojenja za ce cija ninstalacija klimatizacion g, Ventilatin	e. Practice accompanie ng consultations addition as and term papers. In o maximum 100 points) Final ex Dral part of the exam or the exam entralno grejanje onim sistemima ng and Air Conditioning,	s lectures where lab hal explanations rela order to better under am Publishe Gradjevinska knjiga Mašinski fakultet,Be SMEITS,Beograd Naučna knjiga,Beograd SMEITS, Beograd	er ABeograd ograd JSA	cises an tures an cquire fu Points 30.0 Year 2005 2009 2009 1995 1967 2010
4. Tead becture by exa comput practick nowle Exercise Homew Decture Project Written Ord. 1, 2, 3, 4, 5, 6, 7,	ching methods es, Practice, C mples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the exa Recknagel/S B.Todorović B.Todorović B.Todorović B.Todorović B.Todorović B.Todorović Re. Howell, V	: onsultations designed or are done re consultation urse, typical ation obligation ation ob	implemen elated to th s are also l installatio tions and theory and theory Gree Pro Klin Gree Pro Dvić - Ra Saue Pri 6th Loa	ted solutions in e lectured know done during ma ons and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes Yes ejanje i klimatiza ojektovanje postr matizacija ejanje i klimatiza ojektovanje klima zvod vazduha u nciples of Heatim	the practice edge. Durin king design: re visited. evaluation (n Points 10.00 0 10.00 5.00 15.00 30.00 Literatu Title cija ojenja za ce cija i instalacija klimatizacion g, Ventilatin	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex- Dral part of the exam oral part of the exam entralno grejanje onim sistemima ng and Air Conditioning, lanual	s lectures where lab hal explanations rela order to better under am Publishe Gradjevinska knjiga Mašinski fakultet,Be SMEITS,Beograd Naučna knjiga,Beograd Naučna knjiga,Beograd SMEITS, Beograd ASHRAE, Atlanta, I	oratory exercited to the leci rstand and ac Mandatory Yes ABeograd eograd grad ograd JSA JSA	cises an tures an cquire fu Points 30.0 Year 2005 2009 2009 1995 1967 2010 2009
4. Tead by exa comput practick knowle Exercise Homew Lecture Project Written Ord. 1, 2, 3, 4, 5, 6, 7, 8,	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the exa Recknagel/S B.Todorović B.Todorović S.Zrnić,Ž.Ću A.Djordjević B. Todorović Dapa R. Howell, V J. Spitle	: onsultations designed or are done re consultation: urse, typical ation obligation ation ation ation obligation ation ation ation obligation atio	implemen elated to th s are also l installatio tions and theory and theory Gree Pro Klin Gree Pro Dvić - Ra Saue Pri 6th Loa AS	ted solutions in e lectured know done during ma ins and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes Yes ejanje i klimatiza ojektovanje postr matizacija ejanje i klimatiza ojektovanje klima zvod vazduha u nciples of Heatin n ed ad Calculation A	the practice edge. Durin king design re visited. evaluation (n Points 10.00 5.00 15.00 30.00 Literatu Title cija ninstalacija klimatizacion g, Ventilatin pplication Ma	e. Practice accompanie ng consultations addition as and term papers. In o maximum 100 points) Final ex Dral part of the exam or the exam entralno grejanje entralno grejanje onim sistemima ng and Air Conditioning, lanual plications	s lectures where lab hal explanations rela order to better under am Publishe Gradjevinska knjiga Mašinski fakultet,Be SMEITS,Beograd Naučna knjiga,Beograd Naučna knjiga,Beograd SMEITS, Beograd ASHRAE, Atlanta, I ASHRAE, Atlanta, I	oratory exercited to the leci rstand and ac Mandatory Yes ABEograd eograd grad ograd JSA JSA JSA	cises an tures an cquire fu Points 30.0 Year 2005 2009 2009 1995 1967 2010 2009 2010
4. Tead Lecture by exa comput practick knowle Exercis Homew Lecture Project Written Ord. 1, 2, 3, 4, 5, 6, 7, 8, 9,	ching methods es, Practice, C imples of the c ting examples e are given. C edge in the cou Pre-examin se attendance vork e attendance t defence n part of the ex Recknagel/S B.Todorović S.Zrnić,Ž.Ću A.Djordjević B. Todorović Dapa R. Howell, V J. Spitle Anonymous	: onsultations designed or are done re consultation: urse, typical ation obligation ation o	implemen elated to th s are also l installatio tions and theory and theory Gree Pro Klin Gree Pro Saue Saue AS AS	ted solutions in e lectured know done during ma ins and plants a Knowledge e Mandatory Yes Yes Yes Yes Yes Yes ejanje i klimatiza ojektovanje postr matizacija ejanje i klimatiza ojektovanje klima zvod vazduha u nciples of Heatin ed ad Calculation A HRAE Handboo	the practice edge. Durin king design re visited. evaluation (n Points 10.00 5.00 15.00 30.00 Literatu Title cija ojenja za ce cija instalacija klimatizacion g, Ventilatin pplication Ma k-Refrigerati	e. Practice accompanie ng consultations addition is and term papers. In o maximum 100 points) Final ex Dral part of the exam or part of the exam entralno grejanje entralno grejanje onim sistemima ng and Air Conditioning, lanual plications tion	s lectures where lab hal explanations rela order to better under aam Publishe Gradjevinska knjiga Mašinski fakultet,Be SMEITS,Beograd Naučna knjiga,Beo Tehnička knjiga,Beo SMEITS, Beograd ASHRAE, Atlanta, U ASHRAE, Atlanta, U	oratory exercited to the leci stand and ac Mandatory Yes ABeograd ograd ograd ograd JSA JSA JSA JSA	cises ar tures ar cquire fu Points 30.0 Year 2009 2009 1995 1967 2010 2010 2010 2011



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:									
Course	id:	M3304				Boiler Plant	S		
Number	r of ECTS:	8							
Teache	r:		Petrović R.	Jovan					
Course	status:		Mandatory						
Number	r of active teac	hing classe	s (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:
	4	3		0		0	1	1	
Precond	dition courses	•				•			
1. Educ	ational goal:								
Enablin	g students to v	work on: des	signs, engin	eering, exploita	ation, engi	neering and consulting in	the field of boiler pla	nts.	
2. Educ	ational outcom	nes (acquire	d knowledg	e):					
(station combus	ary and non-s stion and fire	stationary in place device	n the sense ces; therma	of load chang al calculation;	e), engin aerodyna	n solving problems of de eering and consulting of amics and hydraulics; o iving environment and p	boiler plants: Boiler corrosion, wearing,	design; fuel soiling and	, static of cleaning;
	se content/stru	-	•				-		
statics a fuels; V boilers;	and kinetics of Vater and vap Basic elemen	combustior or; Heating ts of steam	n, products calculation boilers; Ske	of combustion; n of steam boil eleton, walling a	Devices f lers; Aero and isolati	s, contents, types and ch or combusting solid, liqui dynamics of gas and air on of boilers; Dynamics a and the environment.	d and gas fuels. Prep r tract; Hydrodynami	paration of co ic processes	mbustion in steam
4. Teac	hing methods:								
Alternat		mination ma	y be taken	successively th		o the industrial plants. colloquiums. If the stud			
	-	· · ·		-	evaluation	(maximum 100 points)			
	Pre-examina	ation obligati	ions	Mandatory	Points	Final e	xam	Mandatory	Points
Comput	ter exercise at	tendance		Yes	10.00	Oral part of the exam		Yes	60.00
	attendance			Yes	5.00				
Term pa	aper			Yes	25.00				
					Liter	ature			
Ord.	A	Author			Title		Publishe		Year
1,	Pešenjanski	I.	Kotle	ovska postrojer	nja - u prip	remi	Fakultet tehničkih n Sad	auka, Novi	2007
2,	Brkić Lj, Živa			ni kotlovi			Mašinski fakultet, B	Beograd	1997
3,	Gulič M, Brki P.	ić Lj, Perunc	^{ović} Parr	i kotlovi			Mašinski fakultet, B	Beograd	1983
4,	Brkić Lj, Živa	nović Lj.	Tern	nički proračun j	oarnih kotl	ova	Mašinski fakultet, B	leograd	1981
5,	Kreuh L.		Gen	eratori pare			Školska knjiga, Zag	greb	1978
6,	Gulič M.		Gen	eratori pare			Fakultet tehničkih n Sad	auka, Novi	1974
7,	Ledinegg, M.	•	Dam	pferzeugung			Springer, Berlin		1966
8,	Đurić, V.		Parr	ni kotlovi - atlas	konstruko	cija	BIGZ, Beograd		1972
9,	Đorđević, B.		Herr	nijsko - inženjer	ska termo	dinamika	Tehnološko - metal Beograd	urški,	1978



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:								
Course id:	M3401				Fluid Mechanic	cs 2		
Number of EC	TS: 7							
Teacher:		Bukurov Ž. I	Maša					
Course status:		Elective						
Number of acti	ve teaching classes	s (weekly)						
Lectures			Other teachi	na types:	Study resea	arch work:	Other cla	sses:
3	1		1	.9.9	0		0	
Precondition co			None					
1. Educational	goal:							
	the basic properties ling students to sol				nian fluids. Introduction to sible fluid flow.	the compressible flui	d flow, basic	laws and
2. Educational	outcomes (acquired	d knowledge	e):					
Ability to solve problems.	numerical problem	s of non-Ne	ewtonian fluid f	low. Acqu	isition of knowledge in th	e field of gas dynami	cs for solving	practical
3. Course cont	ent/structure:							
Profile speed i and liquid in pi Basic characte steady flow. S	n laminar flow. Lan pes. Polymers. Cor ristics of compress	ninar fluid fl mpressible f sible fluid flo que expans	ow without bia fluid flow. Histo w. Propagatio ion waves – P	is. Non-iso prical facts n of distur randtl-Me	ble fluid flow in pipes. De othermal flow. Turbulent s and introductory notes. rbances in the compressi eyer flow. Quasi one-dime	flow. The flow of two Basic flow equations ble fluid. Quasi one-o	phase mixtu of compress dimensional i	re of gas sible fluid. sentropic
4. Teaching me	ethods:							
dents prepare board and the	one part of the co chalk. During the p	ractice prob	blems from exa	amination	it during the class. Mode are solved. Students are edness with 20 points.			
					(maximum 100 points)			
Pre-e	examination obligation	ons	Mandatory	Points	Final ex	kam	Mandatory	Points
	cise attendance		Yes		Oral part of the exam		Yes	40.00
Lecture attend	ance		Yes	5.00				
Test			Yes	10.00				
Test			Yes	10.00				
Test			Yes	10.00				
Test			Yes	10.00				
Test			Yes	10.00				
i				Liter	ature			
Ord.	Author			Title	•	Publishe	r	Year
^{1,} Sovilj	Bukurov, Radomir	Nenji	utnovski fluidi			skripta		2005
	S. Cvijanović		mika gasova			Stylos		1996
3, K. Ha	,		mika stišljivog			IGKRO "Svjetlost" S		1978
	derson		ern Compressi			McGraw-Hill Book (1982
5, G.A.B			cular Gas Dyn			Clarendon Press, C		1976
6, P. Sh			strial Rheology			Academic Press, Lo	ndon N V	1070
	Valshaw, D.a. Jobso	on I Mech	nanics of Fluids					1970
				5		Longmans		1962
E.IN.L	Bird, W.E.Stewart, ightfoot Bukurov, Siniša Bil	Trans	sport Phenome	ena		Longmans John Wiley and Sor		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:									
Course	id:	- M3497				Energy audi	ts		
Number	of ECTS:	6	1						
Teache	r:		Petrović F	R. Jovan					
Course	status:		Elective						
Number	of active tead	hing class	es (weekly))					
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:
	2	:	2	0		0		0	
Precond	dition courses			None		-			
1. Educ	ational goal:			-					
national highligh	l, local and oth ted from the s	ner interest standpoint	s and value of: razing t	e of implementat	tion of ene	vs and realization energy ergy reviews in industrial roving the technological	companies and build	lings. This is (especially
2. Educ	ational outcon	nes (acquir	ed knowled	dge):					
efficiend	cy improvements with the goa	nts. At the	same time,	students will ac	quire the r	energy reviews will ena necessary knowledge in r nvironment preservation a	ealization of energy	reviews in inc	ustry and
3. Cours	se content/stru	ucture:							
infrastru	ucture system	s, with the	goal of ind		ergy effici	ompanies, technologica ency and lowering of the in buildings.		•	
4. Teac	hing methods:								
Verbal r	method – visua	al method -	- practical r	method.					
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points
Present				Yes		Oral part of the exam		Yes	70.00
Term pa	aper			Yes	20.00				
					Liter	ature	1		
Ord.		Author		u li a di lua di sa fati a l	Title		Publish	er	Year
1,	Zoran K. Mo Gvozdenac	rvay, Dusa		plied Industrial E anagement	mergy and		Wiley		2008
2,	B. Todorović		Pro	ojektovanje postr	ojenja za	centralno grejanje	Mašinski fakultet, E	Beograd	2005
3,	B. Todorović			matizacija			SMEITS, Beograd		2005
4,	Ž. Borković, Krstulović i d			etodologija provo ve i postojeće za		rgetskog pregleda za	Energetski institut I	Hrvoje Požar	2008



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UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	:				-	_			
Course	id:	M3451		Natur	al Gas	and Oil Prepar	ation Equipm	ient	
Number	r of ECTS:	6							
Teache	r:	, I	/ićević D. M	larija					
Course	status:	1	Elective						
Number	r of active teac	hing classes	(weekly)						
L	.ectures:	Practical c	lasses:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:
	3	2		1		C)	0	
Precon	dition courses	•		None					
1. Educ	ational goal:								
	ition of knowl ortation (from				nd mainte	enance of the equipment	nt for natural gas ar	nd oil prepar	ation fo
2. Educ	ational outcom	nes (acquired	knowledge	e):					
Desiani	ing equipment	for natural a	as and oil pr	reparation.					
0	5	5		-F					
2 0-									
Basic c		equipment fo				or transportation. Basic			
Basic c charact natural separat drying r 4. Teac	concepts and e teristics and n gas. Equipmention of sulfur an natural gas. Ec thing methods:	equipment fo ecessary sp nt for dehydr nd CO2 from quipment for	ecifications ation of the natural gas intensificati	of natural ga raw oil. Equip s. Issues of ac on of process	is and oil. ment for se cid gas and es in the g	or transportation. Basic Equipment for separatic eparation of condensate, d equipment for purificat jas and oil technique. Fo	on of gas from raw o traces of water, sepa ion and removal of ac	il and compre aration of liqui cid gas. Equip	ession o d oil gas oment fo
Basic c charact natural separat drying r 4. Teac	concepts and e teristics and n gas. Equipmention of sulfur an natural gas. Ec	equipment fo ecessary sp nt for dehydr nd CO2 from quipment for	ecifications ation of the natural gas intensificati	of natural ga raw oil. Equip s. Issues of ac on of process e, consultation	s and oil. ment for se cid gas and es in the g s.	Equipment for separation eparation of condensate d equipment for purificat gas and oil technique. For	on of gas from raw o traces of water, sepa ion and removal of ac	il and compre aration of liqui cid gas. Equip	ession o d oil gas oment fo
Basic c charact natural separat drying r 4. Teac	concepts and e teristics and n gas. Equipmention of sulfur an natural gas. Ec whing methods: s, auditory pra	equipment for ecessary sp nt for dehydr nd CO2 from quipment for actice, labora	ecifications ation of the natural gas intensificati tory practice	of natural ga raw oil. Equip s. Issues of ac on of process e, consultation Knowledge e	s and oil. ment for se cid gas and es in the g s. evaluation	Equipment for separation eparation of condensate d equipment for purificat gas and oil technique. For (maximum 100 points)	on of gas from raw o traces of water, sepa ion and removal of ac ssil fuels and biofuels	il and compre aration of liqui cid gas. Equip s (introductior	ession o d oil gas oment for n).
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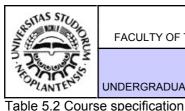


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:									
Course	id:	M3498			Indus	strial Process To	echnology		
Number	r of ECTS:	7							
Teache	rs:	5	Sokolović S.	Dunja, Spaso	ojević Đ. N	<i>l</i> omčilo			
Course	status:	E	lective						
Number	r of active tead	hing classes	(weekly)						
L	ectures:	Practical c	lasses:	Other teachi	ing types:	Study rese	arch work:	Other cla	sses:
	3	1		1		()	0	
Precon	dition courses	-	-	None					
1. Educ	ational goal:								
Underst	tanding the inte	erdependenc	e of techno	logical proces	sses at the	global and regional leve	on the basis of case	studies.	
2. Educ	ational outcom	nes (acquired	knowledge):					
	g knowledge a nd software.	bout the bas	ic manufac	turing industr	ry branche	es and their inter-relatior	ship. Acquire knowle	edge about th	ie proper
3. Cours	se content/stru	icture:							
the ind process industry	ustrial system ses. Fundame	is on econor ntals of orga selected foor	mic develop nic process d industry p	oment. Fund a. Analysis of	amentals selected	ure. Raw potential and co of inorganic industrial p organic process. Funda er and raw materials in	processes. Analysis mentals of the indust	of selected i trial processe	norganic s in food
4. Teac	hing methods:	· · ·							
teaching		signments, sl	hort present	tations and pr	rojects are	ses, auditory and indus forms of pre-examinatio the task.			
				Knowledge	evaluation	(maximum 100 points)			
	Pre-examina	ation obligatio	ons	Mandatory	Points	Final e	xam	Mandatory	Points
Exercis	e attendance			Yes		Theoretical part of the ex	kam	Yes	30.00
Homew				Yes	50.00				
Lecture Present	attendance			Yes	5.00				
FIESEII	lation			Yes		oturo			
Ord.		wthor			Title	ature	Publishe	ar I	Year
			Applie	ed Process De					
1,	Ernest E. Lu	•	Petro	chemical plan	its, 3rd edi	ition	Gulf Professional P		2001
2,	Sami Matar , Member com			<i>y</i> ,		processes, 2nd edition	Gulf Publishing Cor	npany	2000
3,	European Fe Manufacture	rtilizer	and C			r Pollution Prevention Fertilizer Industry,	EFMA - European I Manufacturers' Ass		2000



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course: **Devices for Mechanical Purification** Course id: M3306 Number of ECTS: 6 Teachers: Bukurov Ž. Maša, Uzelac N. Dušan Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Study research work: Other classes: Other teaching types: 3 3 0 0 0 Precondition courses None 1. Educational goal: Introduction to the types of pollutants and methods of their removal from the gas stream. Introduction to the devices for air purification and their characteristics. Calculation of devices. Education of students for independent selection of equipment for waste gas purification 2. Educational outcomes (acquired knowledge): Acquisition of knowledge for defining adequate purification equipment. Ability to calculate system for ventilation and waste gas purification 3. Course content/structure: Air pollution and prevention of pollution. Principles of fluid flow. Particle dynamics in the fluid. Distribution of particles and total degree of particle collection efficiency. Designing industrial ventilation system. Setting chambers. Inertial devices. Electrostatic precipitators, wet scrubbers, filters, absorption devices. 4. Teaching methods: Lectures are held by using modern teaching devices and the board. During practice examination problems are solved and calculation of devices is carried out Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Mandatory Points Points Final exam 10.00 Lecture attendance Test 5.00 Yes Yes Test 10.00 Computer exercise attendance Yes Yes 5.00 Test 10.00 Practical part of the exam - tasks Yes 50.00 Yes Test 10.00 Yes Literature Ord. Title Publisher Year Author 1, Maša Bukurov Uređaji za mehaničko prečišćavanje vazduha FTN izdavaštvo, Novi Sad 2009 Zbirka rešenih zadataka - uređaji za mehaničko 2, Maša Bukurov, Siniša Bikić skripta 2006 prečišćavanje J.M.Coulson, J.F 1979 3 **Chemical Engineering Volume 5** Pergamon Press Richardson, J.R. Backhurst K.B. Schnelle, Jr., C. A. 4 Air Pollution Control Technology Handbook **CRC** Press 2001 Brown Van Nostrand Reinhold R.M. Bethea 1978 5, Air pollution Control Technology Environmental Eng. Series 6, M. Crawford McGraw-Hill Inc. 1976 Air Pollution Control Theory



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	:								
Course	id: I	M3495			The	erma Energy Ek	uipment		
Numbe	r of ECTS:	4							
Teache	ers:	G	Srković R. V	'ojin, Jovanov	ić S. Aleks	sandar			
Course	status:	E	lective						
Numbe	r of active teach	ning classes	(weekly)						
L	ectures:	Practical cl	asses:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	2	2		0		0		0	
Precon	dition courses		•	None		•	·		
1. Educ	cational goal:								
						ration technology and risk letailed engineering.	management in the	field of therm	al energ
2. Educ	cational outcom	es (acquired	knowledge	e):					
	edge that enable equipment.	e creative ap	proach in d	lesigning, dev	elopment	of operation technology a	and risk managemen	t in the field o	f therma
3. Cour	se content/stru	cture:							
							standards). Operati		
(station docume civil wo and ris determ 4. Teac	hary - design ar entation, lay ou rk, optimization k determinatio ination and es ching methods:	nd off-design t of the object oft the procet n (principles timation of t	operation cts, lay out o ess parame s, design d the life of 1	regimes), trar of the equipm eters, optimiza etermination TEE and risk	nsient and ent in the ation oft the and estir determin	disturbed operation regi objects, design determin e equipment). Design det nation of the life of TEE ation for fatigue, calcula	mes. Design determination of the piping sy ermination and estime and risk determination	ination of TEE stem, foundation of the life ation of the life	É (desigi tions and fe of TEB
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(station docume civil wo and ris determ 4. Teac The foll Compu Exercis Graphic	hary - design ar entation, lay ou rk, optimization k determinatio ination and es ching methods: lowing methods Pre-examina ter exercise atta e attendance c paper	nd off-design t of the object off the proce n (principles timation of t are foreseen tion obligatio	operation ets, lay out o ess parame s, design d the life of T n: Verbal m	regimes), trar of the equipm eters, optimiza etermination TEE and risk ethod, visual Knowledge e Mandatory Yes Yes Yes	nsient and ent in the tion oft the and estir determin method, p evaluation Points 0.00 5.00 20.00 5.00	disturbed operation regi objects, design determin e equipment). Design det nation of the life of TEE ation for fatigue, calcula practical method. (maximum 100 points) Final es	mes. Design determi ation of the piping sy ermination and estim and risk determina ations and examples	ination of TEE stem, founda lation of the lit tion for cree s). Mandatory	e (design tions and fe of TEE p design Points
(station docume civil wo and ris determ 4. Teac The foll Compu Exercis Graphic	ary - design ar entation, lay ou rk, optimization k determinatio ination and es ching methods: lowing methods Pre-examina- ter exercise atte e attendance c paper e attendance	nd off-design t of the object off the proce n (principles timation of t are foreseen tion obligatio	operation ets, lay out o ess parame s, design d the life of T n: Verbal m	regimes), trar of the equipm eters, optimiza etermination TEE and risk ethod, visual Knowledge e Mandatory Yes Yes Yes	nsient and ent in the tion oft the and estir determin method, p evaluation Points 0.00 5.00 20.00 5.00	disturbed operation regi objects, design determin e equipment). Design det nation of the life of TEE ation for fatigue, calcula practical method. (maximum 100 points) Final ex Written part of the exam	mes. Design determi ation of the piping sy ermination and estim and risk determina ations and examples	ination of TEE stem, foundar lation of the lift ation for cree s). Mandatory Yes	e (design tions and fe of TEE p design Points
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:		Bachelor Thesis						
Course id:	M3BSC			Bachelor Thesis				
Number of ECTS:	7							
Teachers:								
Course status:		Mandato	ry					
Number of active teac	hing classe	es (weekly)						
Lectures:	Practical	classes: Other teaching types: Study research work: Other classes						
0	(
Precondition courses	-		None					
1. Educational goal:								
problem, its structure studying the literature knowledge about the Bachelor Thesis topic methodology and pro	and comp , the stude way, struc c. By writin cedures, a pare and	olexity, an nt is introc ture and for g the Bac and obtain publically	d based on the conducted a duced to the methods of solv orm of report-writing, after co chelor Thesis, students gain ed results. Besides, the obj present results of their ind	becific problems within the chosen field. The analysis makes conclusions about possible ring similar problems and to the practice in so onducting analysis and other activities carri- a experience in paper writing which require ective of writing and defending the Bachele lependent work in the adequate form, as	e ways of solving it. By solving them. Acquiring ed out within the given as problem description, or Thesis is to develop			
2. Educational outcom	nes (acquire	ed knowle	dge):					
Treba ubaciti prevod!								
3. Course content/stru	icture:							
Thesis in the written f student prepares and student studies profes	orm in agre defends tl ssional liter	eement wi he Bachel ature, pro	th the mentor and in accord or Thesis publically in agree	overed by the Bachelor Thesis topic. The s ance with the standards of the Faculty of Te ement with the mentor and in accordance w s of the students dealing with similar topics, d in the Bachelor Thesis.	echnical Sciences. The vith the standards. The			
4. Teaching methods:								
4. Teaching methods: Bachelor Thesis mentor sets the Bachelor Thesis problem and gives it to the student. The student is obliged to write the Bachelor within the given topic defined by the Bachelor Thesis problem. During writing the Bachelor Thesis, mentor can give additional instruct to the student, suggest certain literature and additionally guide him with an objective to create a quality Bachelor Thesis. With theoretical part of the Bachelor Thesis, the student has consultations with the mentor, and with other professors dealing with prob the field of the Bachelor Thesis topic, if needed. Within the given topic, the student executes certain measurements, testing, concursion and other research, if necessary. The student writes the Bachelor Thesis and gives the bounded examples to the after gaining consent from the board for assessment and defense. Defense of the Bachelor Thesis is public and the student is ob orally answer the questions and objections								
			Knowledge evaluation (maximum 100 points)				
Pre-examina	ation obliga	tions	Mandatory Points	Final exam	Mandatory Points			

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



UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	:		Thermal Turbines 1						
Course	id: N	VI3405				Thermal Turbin	es 1		
Numbe	r of ECTS: 7	7							
Teache	ers:		Grković R. \	/ojin, Jovanov	ić S. Aleks	sandar			
Course	status:		Elective						
Numbe	r of active teach	ning classes	s (weekly)						
L	ectures:	Practical of	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:
	3	3		0		0		1	
Precon	dition courses		-			-			
1. Educ	cational goal:								
	ng students to w sic engineering.	vork on: des	sign, engine	ering, exploita	ation, engi	neering and consulting in	the field of thermal	turbines at th	le level
2. Educ	cational outcom	es (acquire	d knowledge	e):					
well as		wledge of a	all types of d			nergy transformation proc es at the level of basic en			
3. Cour	se content/strue	cture:							
and fro	m the group. Co		of action an	d Parson`s de		e scope of axial degrees: Irtis degree. Comparison			
centripe degrees through cycles 4. Teac	etal). Utilization s of thermal tur n fissures). Turl of thermal turb ching methods:	degree on bines. Loss bulent flow ines (Joule	the scope of ses in the d in the degr s`s – withou	of compressor egree (becau ees of therma t cooling and	ee on the degrees (se of vapo al turbines with coolin	scope of degrees of rad (for three definitions from or humidity, on friction an - simple equation of rad ng, Rankin`s and combin	ial turbines (centrifu the engineering pra id ventilation, becau dial balance. Energy	igal – Ljungs ctice). The m se of partial f / transformat	trem ar eaning filling ar
centripe degrees through cycles 4. Teac	etal). Utilization s of thermal tur n fissures). Turl of thermal turb	degree on bines. Loss bulent flow ines (Joule	the scope of ses in the d in the degr s`s – withou	of compressor egree (becau ees of therma t cooling and isual, -Practica	ee on the degrees (se of vapo al turbines with coolin	scope of degrees of rad (for three definitions from or humidity, on friction an - simple equation of rad ng, Rankin's and combir	ial turbines (centrifu the engineering pra id ventilation, becau dial balance. Energy	igal – Ljungs ctice). The m se of partial f / transformat	trem ar eaning filling ar
centripe degrees through cycles 4. Teac	etal). Utilization s of thermal turn n fissures). Turn of thermal turb ching methods: lowing methods	degree on bines. Loss bulent flow ines (Joule are used: -	the scope of ses in the d in the degr is – withou	of compressor egree (becau ees of therma t cooling and isual, -Practica Knowledge	ee on the degrees (se of vapo al turbines with coolin al	scope of degrees of rad (for three definitions from or humidity, on friction and - simple equation of rad ng, Rankin's and combin (maximum 100 points)	ial turbines (centrifu the engineering pra d ventilation, becau dial balance. Energy ned Joule –Rankin's	igal – Ljungs ctice). The m se of partial f / transformat ;).	trem ar eaning filling ar ion in th
centripe degrees hrough cycles 4. Teac The foll	etal). Utilization s of thermal turn of thermal turb ching methods: lowing methods Pre-examinat	degree on bines. Loss bulent flow ines (Joule are used: -	the scope of ses in the d in the degr is – withou	of compressor egree (becau ees of therma t cooling and isual, -Practica Knowledge of Mandatory	ee on the degrees (se of vapo al turbines with coolin al evaluation Points	scope of degrees of rad (for three definitions from or humidity, on friction and – simple equation of rad ng, Rankin's and combin (maximum 100 points) Final ex	ial turbines (centrifu the engineering pra d ventilation, becau dial balance. Energy ned Joule –Rankin's	igal – Ljungs ctice). The m se of partial f / transformat :).	trem ar eaning filling ar ion in th Point
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Computer Com	etal). Utilization s of thermal turb of thermal turb thing methods: lowing methods: Pre-examinat ter exercise atte e attendance attendance attendance Fister Vojin Grković Benenson E. Bitterlich W., , und Lohmann	degree on bines. Loss bulent flow ines (Joule are used: - ion obligati endance uthor	 the scope of ses in the digit in the degription of the degription of the degription of the degription of the degription. Verbal, - V Verbal, - V Ons Toplo Toplo Casc Fluid Teplo Gastription Gastription Paro 	of compressor egree (becau ees of therma t cooling and isual, -Practica Knowledge e Mandatory Yes Yes Yes othe turbomaš ade Aerodyna energiemasch ološke osnove gnutu proizvoo ofikacionnije p urbinen und G Berechnung	ee on the degrees (se of vapo al turbines with coolin al evaluation Points 10.00 10.00 Liter Title ine mics inen I u. II e regulisar inen I u. II e regulisar arovije turl asturbiner	scope of degrees of rad (for three definitions from or humidity, on friction and - simple equation of rad ng, Rankin's and combin (maximum 100 points) Final ex Written part of the exam ature a	ial turbines (centrifu the engineering pra d ventilation, becau dial balance. Energy led Joule –Rankin's cam - tasks and theory Publishi FTN Izdavaštvo, Ni Pergamon Press, C York, Toronto Springer-Verlag, Ba Heilderberg/New Y Futura publikacije, Energia, Moskva B. G. Teubner, Stu Energija, Moskva Springer-Verlag, Ba	igal – Ljungs ctice). The m se of partial f / transformat). Mandatory Yes er ovi Sad Dxford, New erlin/ ork Novi Sad ttgart erlin/	trem all eaning filling at ion in the Point 70.0 Yea 2004 1984 1984 1995 1976 2002
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	:								
Course	id:	M3406				Heat Apparat	us		
Number	r of ECTS:	7							
Teache	ers:	Ð	aković D. D	amir, Đurić N	I. Slavko,	Petrović R. Jovan			
Course	status:	E	lective						
Numbe	r of active tead	ching classes	(weekly)						
L	ectures:	Practical cl	asses:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	3	3		0		0		0	
Precon	dition courses	-		None		•	-		
1. Educ	cational goal:			-					
	ction to the ba ition in the spe				g problem	s in the field of heat and	process equipmen	t, as well as v	with their
2. Educ	cational outcom	nes (acquired	knowledge):					
	edge gain about so the second se		s methods	of heat and p	process e	quipment, as well as abo	out possibilities of th	eir applicatio	ns within
3. Cour	rse content/stru	ucture:							
calculat RHE wi Boilers devices heating	tion of HPE). F ith condensation and evaporatons). Heat reactons	Recuperative I on of pure va ors (individual ors (equipmen	neat exchar por and vap evaporator t for therma	igers (backgr bor-gas mixtu s, plants for n il processing	ounds of t re, specia nultistage of food pr	ation of heating characte the heating calculation of al types RHE, design and evaporation – macro ana roducts, heat reactors wit on and selection of CHE).	RHE, RHE with pipe exploitation of RHE lysis, fundamentals h mechanical mixing	e beam, comp , optimization of calculation, , auxiliary ele	of RHE,
	ching methods:							ants (example	
4 Teac								ants (example	
Lecture and exa	es, computing	and auditory ernatively, the		on can be pa	ssed thro	se grade is formed based ugh two colloquiums. If th	on the success at t	he computing	es of heat
Lecture and exa	es, computing amination. Alte	and auditory ernatively, the		on can be pa	ssed thro		on the success at t	he computing	es of heat practice ns, (s)he
Lecture and exa does no	es, computing a amination. Alte ot take the exa Pre-examina	and auditory ernatively, the	examinatio	on can be pa Knowledge e Mandatory	ssed throe evaluation Points	ugh two colloquiums. If th (maximum 100 points) Final ex	on the success at t he student passes b am	he computing oth colloquiur Mandatory	es of heat practice ms, (s)he Points
Lecture and exa does no Exercise	es, computing amination. Alte ot take the exa Pre-examina ee attendance	and auditory ernatively, the am.	examinatio	Knowledge e Mandatory Yes	ssed thro evaluation Points 15.00	ugh two colloquiums. If th (maximum 100 points)	on the success at t he student passes b am	he computing	es of heat practice ns, (s)he
Lecture and exa does no Exercise	es, computing a amination. Alte ot take the exa Pre-examina	and auditory ernatively, the am.	examinatio	on can be pa Knowledge e Mandatory	evaluation Points 15.00 15.00	ugh two colloquiums. If th (maximum 100 points) Final ex Written part of the exam	on the success at t he student passes b am	he computing oth colloquiur Mandatory	es of heat practice ms, (s)he Points
Lecture and exa does no Exercise Lecture	Pre-examinate attendance	and auditory ernatively, the am. ation obligatio	examinatio	Knowledge e Mandatory Yes	evaluation Points 15.00 Liter	ugh two colloquiums. If th (maximum 100 points) Final ex Written part of the exam ature	on the success at the student passes b am tasks and theory	he computing oth colloquiur Mandatory Yes	practice ms, (s)he Points 70.00
Lecture and exa does no Exercise Lecture Ord.	Pre-examination Altered attendance	and auditory ernatively, the am. ation obligatio	e examination	on can be pa Knowledge e Mandatory Yes Yes	evaluation Points 15.00 15.00 Liten Title	ugh two colloquiums. If th (maximum 100 points) Final ex Written part of the exam ature	on the success at the student passes b am tasks and theory Publishe	he computing oth colloquiur Mandatory Yes	practice ms, (s)he Points 70.00 Year
Lecture and exa does no Exercise Lecture	Pre-examination Alte ot take the exa Pre-examination e attendance e attendance datendance	and auditory ernatively, the am. ation obligatio	e examinations	Knowledge e Mandatory Yes	evaluation Points 15.00 15.00 Liter Title	ugh two colloquiums. If th (maximum 100 points) Final ex Written part of the exam ature	on the success at the student passes b am tasks and theory	he computing oth colloquiur Mandatory Yes er	practice ms, (s)he Points 70.00



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Table 5.2 Course specification

(:								
Course	id:	M3409A			Mode	ern Energy Tecl	nnologies		
Number	r of ECTS:	6							
Teachei	rs:		Petrović R. J	lovan, Jovano	vić S. Ale	ksandar, Đaković D. Dam	ir		
Course	status:		Elective						
Number	r of active tead	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other clas	sses:
	3	3	3	0		0		1	
Precond	dition courses			None		•			
1. Educ	ational goal:								
technolo	ogies, getting	insight into	interests and	l importance o	of applicat	s, getting insight into gen ion of modern energy teo al, economic and sociolo	hnologies for the ind		
2. Educ	ational outcom	nes (acquire	ed knowledge):					
						troduction of modern ene	rgy technologies into	industrial ent	terprises,
3. Cours	se content/stru	ucture:							
-	toobaologica	onormu c#	alanay and an	vironmont-L-	rotoction	noncosity of primary and	nu transformation an	d the impert	fonores
technolo technolo heating costs of	ogies on trar ogies for prim energy, mode	nsformation lary energy ern technolo mary energy	n efficiency, v transformati ogies for depo gy, possibilitie	modern tech on into electr siting energy	nologies ical energ	necessity of primary ener for primary energy trar yy, modern technologies ojective to increase energ ern energy technologies i	sformation into hea for combined produ y efficiency of energy	ating energy, ction of elect / systems and	modern rical and I to lower
technol technolo heating costs of of the w	logies on trar ogies for prim energy, mode f supply for pri	nsformation ary energy ern technolo mary energy ing comfort	n efficiency, v transformati ogies for depo gy, possibilitie	modern tech on into electr siting energy	nologies ical energ	for primary energy tran gy, modern technologies ojective to increase energ	sformation into hea for combined produ y efficiency of energy	ating energy, ction of elect / systems and	modern rical and I to lower
technol technolo heating costs of of the w 4. Teacl Lecture	logies on tran ogies for prim energy, mode f supply for pri vorking and liv hing methods:	nsformation lary energy ern technolo mary energy ing comfort	n efficiency, v transformati ogies for depo gy, possibilitie sultations. Th	modern tech on into electr siting energy s of application e examinatio	nologies ical energ with an ob on of mode	for primary energy tran gy, modern technologies ojective to increase energ	sformation into hea for combined produ y efficiency of energy n the production prod	ating energy, ction of elect / systems and cesses and as	modern rical and I to lower ssurance
technol technolo heating costs of of the w 4. Teacl Lecture	logies on trar ogies for prim energy, mode f supply for pri vorking and liv hing methods: s, Term Pape	nsformation lary energy ern technolo mary energy ing comfort	n efficiency, v transformati ogies for depo gy, possibilitie sultations. Th	modern tech on into electr siting energy s of applicatio e examinatio d.	nologies rical energ with an ob on of mode n can be	for primary energy trar gy, modern technologies ojective to increase energ ern energy technologies	sformation into hea for combined produ y efficiency of energy n the production prod	ating energy, ction of elect / systems and cesses and as	modern rical and I to lower ssurance
technol technolo heating costs of of the w 4. Teacl Lecture	logies on trar ogies for prim energy, mode f supply for pri vorking and liv hing methods: s, Term Pape	nsformation hary energy from technolo mary energy ing comford ar and Cons al examina	n efficiency, v transformati ogies for depo gy, possibilitie sultations. Th tion if needed	modern tech on into electr siting energy s of applicatio e examinatio d.	nologies rical energ with an ob on of mode n can be	for primary energy tran gy, modern technologies ojective to increase energ ern energy technologies passed only through ela	sformation into hea for combined produ y efficiency of energy n the production prod poration and defense	ating energy, ction of elect / systems and cesses and as	modern rical and I to lower ssurance
technol technolo heating costs of of the w 4. Teacl Lecture through	logies on trar ogies for prim energy, mode f supply for pri vorking and liv hing methods: s, Term Pape additional or	nsformation hary energy from technolo mary energy ing comford ar and Cons al examina	n efficiency, v transformati ogies for depo gy, possibilitie sultations. Th tion if needed	modern tech on into electr siting energy s of application e examination d. Knowledge e	nologies ical energ with an ob on of mode n can be evaluation Points 5.00	for primary energy trar gy, modern technologies bjective to increase energ ern energy technologies passed only through ela (maximum 100 points)	sformation into hea for combined produ y efficiency of energy n the production prod poration and defense	ating energy, ction of elect y systems and cesses and as e of the term	modern rical and I to lower ssurance paper or
technol technologheating costs of of the w 4. Teach Lecture through Exercise Lecture	logies on trar ogies for prim energy, mode f supply for pri vorking and liv hing methods: es, Term Pape a additional or Pre-examina e attendance attendance	nsformation hary energy from technolo mary energy ing comford ar and Cons al examina	n efficiency, v transformati ogies for depo gy, possibilitie sultations. Th tion if needed	modern tech on into electr siting energy s of applicatio e examinatio d. Knowledge e Mandatory Yes Yes	nologies ical energ with an ob on of mode n can be evaluation Points 5.00 5.00	for primary energy tran gy, modern technologies ojective to increase energ ern energy technologies passed only through ela (maximum 100 points) Final ez	sformation into hea for combined produ y efficiency of energy n the production prod poration and defense	ating energy, ction of elect y systems and cesses and as e of the term Mandatory	modern rical and I to lower ssurance paper or Points
technol technologheating costs of of the w 4. Teacl Lecture through Exercise	logies on trar ogies for prim energy, mode f supply for pri vorking and liv hing methods: es, Term Pape a additional or Pre-examina e attendance attendance	nsformation hary energy from technolo mary energy ing comford ar and Cons al examina	n efficiency, v transformati ogies for depo gy, possibilitie sultations. Th tion if needed	modern tech on into electr siting energy s of applicatio e examinatio d. Knowledge e Mandatory Yes	nologies ical energy with an ob on of mode n can be evaluation Points 5.00 5.00 30.00	for primary energy tran gy, modern technologies ojective to increase energ ern energy technologies i passed only through ela (maximum 100 points) Final ex Theoretical part of the ex	sformation into hea for combined produ y efficiency of energy n the production prod poration and defense	ating energy, ction of elect y systems and cesses and as e of the term Mandatory	modern rical and I to lower ssurance paper or Points
technol technologheating costs of of the w 4. Teacl Lecture through Exercise Lecture Term pa	logies on trar ogies for prim energy, mode f supply for pri vorking and liv hing methods: es, Term Pape additional ora Pre-examina e attendance attendance aper	nsformation hary energy frn technolo mary energy ing comford ar and Cons al examina ation obliga	n efficiency, v transformati ogies for depo gy, possibilitie sultations. Th tion if needed	modern tech on into electr siting energy s of applicatio e examinatio d. Knowledge e Mandatory Yes Yes	nologies ical energy with an ob on of mode n can be evaluation Points 5.00 5.00 30.00 Liter	for primary energy tran gy, modern technologies ojective to increase energ ern energy technologies passed only through ela (maximum 100 points) Final ex Theoretical part of the ex ature	sformation into hea for combined produ y efficiency of energy n the production prod poration and defense cam am	ating energy, ction of elect / systems and cesses and as e of the term Mandatory Yes	modern rical and I to lower ssurance paper or Points 60.00
technol technologheating costs of of the w 4. Teach Lecture through Exercise Lecture Term pa Ord.	logies on trar ogies for prim energy, mode f supply for pri vorking and liv hing methods: es, Term Pape additional or Pre-examina e attendance attendance aper	asformation lary energy rrn technolo mary energy ing comfort ar and Cons al examina ation obliga	n efficiency, v transformati ogies for depo gy, possibilitie sultations. Th tion if needed tions	modern tech on into electr siting energy s of application e examination d. Knowledge e Mandatory Yes Yes Yes Yes	nologies ical energ with an ob on of mode n can be evaluation Points 5.00 5.00 30.00 Liter Title	for primary energy tran gy, modern technologies ojective to increase energ ern energy technologies passed only through ela (maximum 100 points) Final ex Theoretical part of the ex ature	sformation into hea for combined produ y efficiency of energy n the production prod coration and defense cam am Publishe	ating energy, ction of elect / systems and cesses and as e of the term Mandatory Yes	modern rical and I to lower ssurance paper or Points 60.00 Year
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technol technologheating costs of of the w 4. Teacl Lecture through Exercise Lecture Term pa Ord.	logies on trar ogies for prim energy, mode f supply for pri vorking and liv hing methods: es, Term Pape additional or Pre-examina e attendance attendance aper	asformation lary energy rrn technolo mary energy ing comfort ar and Cons al examina ation obliga	n efficiency, v transformatiogies for depo gy, possibilitie sultations. Th tion if needed tions Integr Integr Marke	modern tech on into electr siting energy s of application e examination d. Knowledge e Mandatory Yes Yes Yes Yes ated Pollution ated Energy S	nologies ical energ with an ob on of mode n can be evaluation Points 5.00 5.00 30.00 Liter Title Prevent a Systems (I t,	for primary energy tran gy, modern technologies ojective to increase energ ern energy technologies passed only through ela (maximum 100 points) Final ex Theoretical part of the ex ature	sformation into hea for combined produ y efficiency of energy n the production prod coration and defense cam am Publishe	ating energy, ction of elect / systems and cesses and as e of the term Mandatory Yes	modern rical and I to lower ssurance paper or Points 60.00 Year



UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:								
Course	id:	M3452				Gas equipme	ent		
Numbe	r of ECTS:	7							
Teache	er:	l	Jzelac N. Du	ıšan					
Course	status:	E	Elective						
Numbe	r of active teac	hing classes	(weekly)						
L	ectures:	Practical c	lasses:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:
	3	2		1		0		0	
Precon	dition courses	-		None		•			
1. Educ	ational goal:								
Subject	t teaches stude	ents in areas	of design, o	peration and	maintenar	nce of the gas installations	S.		
2. Educ	ational outcom	nes (acquired	l knowledge):					
Design,	, operation and	l maintenanc	e of the gas	installations.					
3. Cour	se content/stru	icture:							
Distribu stations outlets.	utive pipelines s. Regulation a Gas installatio	. Consumer and measure on examinati	pipelines. H ement home ons. Gas bo	Home gas ins stations. Ga piler plants. P	stallations as pumps. Position an	d equipment. Regulators . Magistrate gas station Gas equipment. Gas ec d dimensional analysis o oitation of gas boiler plar	s. Distributive gas st juipment installation. f gas boiler plants. F	ations. Indus Combustion ire hazard pr	strial gas exhaust evention.
4. Teac	hing methods:								
Verbal ı	method – visua	al method – p	practical met	hod.					
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obligation	ons	Mandatory	Points	Final ex	am	Mandatory	Points
•	ter exercise att	tendance		Yes		Theoretical part of the ex	am	Yes	70.00
	attendance			Yes	5.00				
Present	tation			Yes	10.00				
Test				Yes	10.00				
Qual						ature	Dublish		
Ord.	A	uthor	Priruč	nik za kurs iz	Title	nja i održavanja	Publishe		Verr
								1	Year
1,	Dušan Uzela	c i dr.			i postrojer	nja za prirodni gas	FTN		Year 2005
1, 2,	Dušan Uzela Vladimir Stre Martin Bogne	lec i dr	cevov		i postrojer	nja za prirodni gas	EM		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course	:								
Course	id:	M3501			F	Refrigeration De	vices		
Number	r of ECTS:	7							
Teache	rs:		Grković R. V	ojin, Gvozder	nac D. Du	šan			
Course	status:		Elective						
Number	r of active teac	hing classe	s (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	3	3		0		0		0	
Precond	dition courses			None		ł			
1. Educ	ational goal:								
	ction to plants	and proces	ses in the fiel	d of refrigerati	ion techno	blogy.			
2 Educ	ational outcom	nes (acquire).					
		、 I	0	,					
Enablin	g students to u	understane	refrigeration p	processes and	d technolo	igies.			
3. Cour	se content/stru	icture:							
compre		ators, cooli	ng towers an	d capacitors,		ficient. Refrigeration de r components. Compress			
4. Teac	hing methods:								
Classes	are realized t	houth lectu	res, computer	classes and	constructi	ons.			
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points
Comput	ter exercise at	tendance		Yes	5.00	Theoretical part of the ex	am	Yes	60.00
Lecture	attendance			Yes	5.00				
Term pa	aper			Yes	30.00				
					Liter	ature			
Ord.	Α	Nuthor			Title)	Publishe	er	Year
1,	Sava Vujić		Rashl	adni uređaji			Mašinski fakultet Be	eograd	1997



UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:	:		Mechatronics												
Course	id:	EM436				Mechatronic	S								
Number	r of ECTS:	7													
Teache	rs:		Borovac A	. Branislav, Nač	f F. Laslo										
Course	status:		Elective												
Number	r of active teac	hing classe	s (weekly)												
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:						
	3	3		0		0		0							
Precond	dition courses	•													
1. Educ	ational goal:														
mechati	ronic systems. es, correspond	Students le	earn to ider	ntify the problem	n, design,	e objective is to train st develop and select the be ents then create modules	est strategy and cond	ept using fund	damental						
2. Educ	ational outcom	nes (acquire	d knowled	ge):											
- studer related - studen - studen - Specia that all r	nt ability to par professions nt ability to mal nt ability to mal al efforts are m	ticipate in c ke a selection ke a selection nade in orde e system (m	defining an on of critica on of suitat er for stude rechanical	d solving proble al components ir ble controller typ nts to understar	ems relate n mechatro e nd that in o	chatronic systems through d to mechatronic system onic systems complex mechatronic sys ming,) should operate a	design in cooperation tems, each aspect is	on with engine equally impo	rtant and						
	se content/stru														
						and processes of mechane nechanical analogies in tl									
4. Teac	hing methods:														
basic e mechati possibili choose propose it (up to	electromechan ronic devices. ities, selection two ways to p ed device solut 70 points). St	ical analog Afterwards of better m bass the ex tion. Studer udents who	gies are ta s, existing nechanical amination: nts who ma o don't wan	solutions are constrained applies and applies solution, adeque are by making a like the device s	ed in the ritically an ate senso prototype hould take rototype ha	rse, partially in the classro analysis and synthesis halyzed with a special en r or actuator, better meth and – without making a the colloquium 1. (up to ave to pass both colloqui	of certain subasse nphasis on weaknes ods of control or all t prototype but with r 30 points), make the	mbly solution ses and improgether. Stud naking a stud prototype an	ns in the ovement ents can ly for the d defend						
				Knowledge e	evaluation	(maximum 100 points)									
	Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points						
Project				Yes	30.00	Written part of the exam	- tasks and theory	Yes	50.00						
						Oral part of the exam		Yes	20.00						
,			i			ature		i							
Ord.	A	uthor			Title	2	Publishe Mačinaki fakultat u		Year						
1,	V. Miltenović		Ma	šinski elementi-	oblici, pror	ačun, primena,	86-80587-12-5		Mašinski elementi-oblici, proračun, primena, 86-80587-12-5 2001						
. /	M. Živanov		Elektronika, komponente i pojačavačka kola FTN, Novi Sad (odgovarajuća 2000 2000 2000 2000 2000 2000 2000 20												
2,			Mechatronics System Design PWS Publishing Company, 1997												
2, 3,	D. Shetty, R.	Kolk	Me	chatronics Syste	em Design			ompany, 2.							



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

			Hydropneumatic Components							
Course	id:	M3404			Hydro	pneumatic Cor	mponents			
Numbe	r of ECTS:	6								
Teache	r:	Uz	zelac N. D	ušan						
Course	status:	El	ective							
Numbe	r of active teac	hing classes (weekly)							
	.ectures:	Practical cla		Other teachi	ng types:	Study resea	arch work:	Other clas	sses:	
	3	3		0	0 71	0		0		
Precon	dition courses			None						
1. Educ	ational goal:									
	and selection ding hydraulic				nts for the	purposes of building hy	draulic and pneumat	ic energy tran	isfer an	
2. Educ	ational outcom	nes (acquired l	knowledge	e):						
	ig students to otransmission a					r transmission of the ma	chines which have h	ydraulic or pr	neumati	
3 Cour	se content/stru	atura:								
Hydrau motion	lic and pneum and in the hyd	atic componer fraulic and pn	eumatic c	ontrol system	s. Volume	he hydraulic and pneum compressors, working p porking description adv	orinciples, advantage	es and disadv	antage	
Hydrau motion classific working parame charac 4. Teac	lic and pneum and in the hyc cation, working g parameters,	atic componen Iraulic and pn 9 parameters, characteristic characteristic	eumatic c character cs. Volum cs. Contro	ontrol system istics. Volume e engines, cl ol valves, cla	s. Volume pumps, w assification ssification		orinciples, advantage antages and disadva idvantages and disa	es and disadv intages, class idvantages, t	antage sification echnica	
Hydrau motion classific working parame charac 4. Teac	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics.	atic componen Iraulic and pn 9 parameters, characteristic characteristic	eumatic c character cs. Volum cs. Contro	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul	s. Volume pumps, w assification ssification	compressors, working p orking description, adv n, working principles, a	orinciples, advantage antages and disadva idvantages and disa	es and disadv intages, class idvantages, t	antages ification echnica	
Hydrau motion classific working parame charac 4. Teac	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. thing methods: as – Auditory Pr	atic componen Iraulic and pn 9 parameters, characteristic characteristic	eumatic c character cs. Volum cs. Contro ratory Prae	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul	s. Volume pumps, w assification ssification	compressors, working p rorking description, adv n, working principles, a is, working principles,	principles, advantage antages and disadva idvantages and disa graphic marking, h	es and disadv intages, class idvantages, t	rantage: sification echnica d contro	
Hydrau motion classific working parame charac 4. Teac Lecture	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. hing methods: s – Auditory Pr Pre-examina	atic componer draulic and pn g parameters, characteristic characteristic ractice – Labo	eumatic c character cs. Volum cs. Contro ratory Prae	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul	s. Volume e pumps, w assification ssification tations. valuation (Points	compressors, working p rorking description, adv n, working principles, a ls, working principles, maximum 100 points)	orinciples, advantage antages and disadva idvantages and disa graphic marking, h	es and disadv intages, class idvantages, t hydraulic and	Points	
Hydrau motion classific working parame charac 4. Teac Lecture Homew	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. hing methods: s – Auditory Pr Pre-examina	atic componer draulic and pn g parameters, characteristic characteristic ractice – Labo	eumatic c character cs. Volum cs. Contro ratory Prae	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory	s. Volume e pumps, w assification ssification tations. valuation (Points 20.00 y	compressors, working p rorking description, adv n, working principles, a ls, working principles, maximum 100 points) Final ex	orinciples, advantage antages and disadva idvantages and disa graphic marking, h	es and disadv intages, class idvantages, t hydraulic and Mandatory	antages ification echnica	
Hydrau motion classific working parame charac 4. Teac Lecture Homew	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. hing methods: as – Auditory Pr Pre-examina rork	atic componer draulic and pn g parameters, characteristic characteristic ractice – Labo	eumatic c character cs. Volum cs. Contro ratory Prae	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory Yes	s. Volume e pumps, w assification ssification tations. valuation (Points 20.00 y	compressors, working p rorking description, adv n, working principles, a ls, working principles, s, working principles, Einal ex Vritten part of the exam Dral part of the exam	orinciples, advantage antages and disadva idvantages and disa graphic marking, h	es and disadv intages, class idvantages, t iydraulic and Mandatory Yes	Points 35.0	
Hydrau motion classific working parame charac 4. Teac Lecture Homew	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. hing methods: s – Auditory Pr Pre-examina vork attendance	atic componer draulic and pn g parameters, characteristic characteristic ractice – Labo	eumatic c character cs. Volum cs. Contro ratory Prae	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory Yes	s. Volume e pumps, w assification ssification tations. valuation (Points 20.00 y 10.00 c	compressors, working p rorking description, adv n, working principles, a ls, working principles, s, working principles, Einal ex Vritten part of the exam Dral part of the exam	orinciples, advantage antages and disadva idvantages and disa graphic marking, h	es and disadv intages, class idvantages, t hydraulic and Mandatory Yes Yes	Points 35.0	
Hydrau motion classific working parame charac 4. Teac Lecture Homew Lecture	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. hing methods: s – Auditory Pr Pre-examina vork attendance	atic componen draulic and pn g parameters, characteristic characteristic ractice – Labo	ratory Pra	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory Yes	s. Volume e pumps, w assification ssification tations. valuation (r Points 20.00 v 10.00 c Literat	compressors, working p rorking description, adv n, working principles, a is, working principles, s, working principles, Final ex Vritten part of the exam Dral part of the exam ture	orinciples, advantage antages and disadva idvantages and disa graphic marking, h cam - tasks and theory	Mandatory Yes Yes	Points 35.0 35.0	
Hydrau motion classific working parame charac 4. Teac Lecture Homew Lecture Ord.	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. hing methods: as – Auditory Pr Pre-examina rork attendance	atic componen draulic and pn g parameters, characteristic characteristic ractice – Labo	ratory Pra	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory Yes Yes	s. Volume e pumps, w assification ssification tations. valuation (r Points 20.00 v 10.00 c Literat	compressors, working p rorking description, adv n, working principles, a is, working principles, s, working principles, Final ex Vritten part of the exam Dral part of the exam ture	principles, advantage antages and disadva idvantages and disa graphic marking, h arking, h cam - tasks and theory Publishe	Mandatory Yes Yes	Points Points 35.0 Year	
Hydrau motion classific working parame charac 4. Teac Lecture Homew Lecture Ord. 1,	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. hing methods: s – Auditory Pr Pre-examina rork attendance	atic compone draulic and pn g parameters, characteristic characteristic ractice – Labo	ratory Prad	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory Yes Yes pneumatske k	s. Volume e pumps, w assification ssification tations. valuation (r Points 20.00 v 10.00 c Literat	compressors, working p rorking description, adv n, working principles, a is, working principles, s, working principles, Final ex Vritten part of the exam Dral part of the exam ture	principles, advantage antages and disadva idvantages and disadva graphic marking, h advantages and theory - tasks and theory Publishe FTN - STYLOS	Mandatory Yes Yes	Points 35.0 35.0 Year 1995	
Hydrau motion classific working parame charac 4. Teac Lecture Homew Lecture Ord. 1, 2,	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. thing methods: as – Auditory Pr Pre-examina rork attendance D. Uzelac D. Uzelac	atic compone draulic and pn g parameters, characteristic characteristic ractice – Labo	ratory Pradina Hidro Uljna	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory Yes Yes pneumatske k prenosnici	s. Volume e pumps, w assification ssification tations. valuation (r Points 20.00 v 10.00 c Literat	compressors, working p rorking description, adv n, working principles, a is, working principles, s, working principles, Final ex Vritten part of the exam Dral part of the exam ture	principles, advantage antages and disadva idvantages and disadva graphic marking, h cam - tasks and theory Publishe FTN - STYLOS FTN	es and disadv intages, class idvantages, t hydraulic and Mandatory Yes Yes er	Points 35.0 35.0 Year 1995 1998	
Hydrau motion classific working parame charac 4. Teac Lecture Homew Lecture Ord. 1, 2, 3,	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. thing methods: as – Auditory Pr Pre-examina York attendance D. Uzelac D. Uzelac S. Jovanović	atic component draulic and pn g parameters, characteristic characteristic ractice – Labo ation obligation	ratory Practorial Hidro Uljna Preu	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory Yes Yes yes pneumatske k prenosnici hidraulika	s. Volume e pumps, w assification ssification tations. valuation (Points 20.00 y 10.00 c Literal Title	compressors, working p rorking description, adv n, working principles, a is, working principles, s, working principles, Final ex Vritten part of the exam Dral part of the exam ture	orinciples, advantage antages and disadva idvantages and disadva graphic marking, h cam - tasks and theory Publishe FTN - STYLOS FTN Naučna knjiga	Mandatory Yes Yes	Point Point 35.0 1995 1998 1985	
Hydrau motion classific working parame charac: 4. Teac Lecture Homew Lecture Ord. 1, 2, 3, 4,	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. hing methods: s – Auditory Pr Pre-examina /ork attendance D. Uzelac D. Uzelac S. Jovanović V. Zrnić	atic component draulic and pn g parameters, characteristic characteristic ractice – Labo ation obligation	ratory Prace Hidro Hidro Uljna Indus	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory Yes Yes yes pneumatske k prenosnici hidraulika matika	s. Volume e pumps, w assification ssification tations. valuation (Points 20.00 y 10.00 c Literal Title	compressors, working p rorking description, adv n, working principles, a is, working principles, s, working principles, Final ex Vritten part of the exam Dral part of the exam ture	principles, advantage antages and disadva idvantages and disadva graphic marking, h cam - tasks and theory Publishe FTN - STYLOS FTN Naučna knjiga Tenhička knjiga	Mandatory Yes Yes	Point Point 35.0 35.0 1998 1998	
Hydrau motion classific working parame charac 4. Teac Lecture Homew Lecture Ord. 1, 2, 3, 4, 5,	lic and pneum and in the hyc cation, working g parameters, eters, energy teristics. hing methods: is – Auditory Pr Pre-examina ork attendance D. Uzelac D. Uzelac S. Jovanović V. Zrnić Dirner Aleksa Vladimir Zrni	atic component draulic and pn g parameters, characteristic characteristic ractice – Labo ation obligation	ratory Prace Hidro Hidro Uljna Pneu	ontrol system istics. Volume e engines, cl ol valves, cla ctice – Consul Knowledge e Mandatory Yes Yes yes pneumatske k prenosnici hidraulika matika trijska pneuma	s. Volume e pumps, w assification ssification tations. valuation (Points 20.00 v 10.00 c Literat Title omponente	compressors, working p rorking description, adv n, working principles, a is, working principles, s, working principles, Final ex Vritten part of the exam Dral part of the exam ture	principles, advantage antages and disadva idvantages and disadva graphic marking, h same tasks and theory Publishe FTN - STYLOS FTN Naučna knjiga HEP	Mandatory Yes Yes	Points 35.0 35.0 1995 1998 1985 1987	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Course:				Measurement of fluid properties						
Course	id:	M3453			Meas	urement of fluid	properties			
Number	of ECTS:	7								
Teachei	-		Bukurov Ž. N	Иaša						
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:	
	3	2	2	1		0		0		
Precond	lition courses			None						
1. Educa	ational goal:									
						nique of fluid values mea on of flow in case of exce				
2. Educ	ational outcom	nes (acquire	ed knowledge	e):						
						easurement, processing xcesses on the pipleines		measuremer	it results,	
3. Cours	se content/stru	icture:								
resoluti techniqu measur	on. Processir ue. Density m ement technic	ng and pre leasureme ques. Heat	sentation of nt techniques ing fuel powe	measuremer s. Dynamic vi er measurem	nt results. iscosity m ent techni	blute measurement error. Temperature measurer neasurement techniques iques. Fuel contents me of the excesses on pip	nent techniques. Pr . Flow measuremen asurement techniqu	essure meas t techniques es. Calculatio	surement Velocity	
4. Teacl	ning methods:									
Lectures	s – Auditory Pi	ractice, Lat	oratory Pract	tice – Consulta	ations.					
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ation obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Coloqui	um exam			No		Written part of the exam	 tasks and theory 	Yes	40.00	
Laborat	ory exercise d	efence		Yes	30.00	Oral part of the exam		Yes	30.00	
					Liter	ature		Ē		
Ord.	-	uthor			Title	•	Publishe	er	Year	
1,	Cvijanović, P			nje fluidnih vel			Stylos		1998	
2,	Vušković, I,			vne tehnike m	,		Mašinski fakultet Be	eograd	1977	
3,	Milenković, E	5.	Priruč	čnik za merenj	e protoka		SMEITS Građevinski fakulte	t 11	2004	
4,	Prodanović, I	D.	Merei	nja u hidrotehi	nici		Beogradu	i u	2009	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Table 5.2 Course specification

Course:	:									
Course	id:	M3494				Energy efficier	ncy			
Number	r of ECTS:	7								
Teache	rs:		Petrović R.	Jovan, Gvozd	enac D. D	ušan				
Course	status:		Elective							
Number	r of active teac	hing classe	s (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:	
	3	3		0		0		1		
Precond	dition courses			None						
1. Educa	1. Educational goal:									
broader is to use	Growing importance of energy as a major economy factor and its large negative impact on the environment has set a demand for a broader and different approach to tackle the problem. One of the most successful measures in reducing the consumption of primal energy is to use of technological improvements in energy systems and development of new energy flow control procedures. This subject will cover energy efficiency as a source for reduction of energy consumption and the emission of the harmful gasses.									
2. Educ	ational outcom	ies (acquire	d knowledge	e):						
by ener status o the com accomp	Energy efficiency should be considered as a set of organizational activities which are implemented inside of defined boundaries defined by energy system with the purpose of input energy reduction, harmful gasses emission and energy expenditures, with the unchanged status of the services and making a profit in the production process in the defined system. From the sole definition one can get a sense of the complexity of the problem which derives from the human need for connection, procedures and technologies. We must strive to accomplish consistent and permanent improvements in energy efficiency. This subject will acquaint the students with all the technical and non technical aspects of energy efficiency.									
3. Cours	se content/stru	cture:								
Energy (boiler p and bui efficient manage	indicators and plants; steam a ildings (buildir cy improveme	energy pro and/or hot v ags charact ent of appli ffort and va	duction and water distribu teristics prof ances; was lue of hierar	consumption ative pipe netwile, HVAC sy te heat usage chically value	profiles; E vork and e stems; ele e; recupe	Defining of energy flows; nergy consumption monit end users; cooling and co ectrical consumers). Ene ration; heat energy accu nd activities; motivation a	oring. Energy efficier ompressed air syster ergy savings measur umulation) and or	ncy analysis ir ns; electrical res: technica ganizational	n industry systems) I (energy (energy	
4. Teacl	hing methods:			. ,						
	-	s. Consulta	tion. Test is	done in writter	n form and	d is a mixture of theoretica	al questions and num	erical problen	ns.	
				Knowledge	evaluation	(maximum 100 points)				
	Pre-examina	ition obligat	ions	Mandatory	Points	Final ex		Mandatory	Points	
	e attendance			Yes		Written part of the exam	 tasks and theory 	Yes	70.00	
	attendance			Yes	5.00	-				
Term pa	aper			Yes	20.00					
						ature		i		
Ord.	A Gvozdenac,	uthor D., Gvozde						Year		
1,	Urošević, B.,		Energ	getska efikasn		d Environmentel	FTN Izdavaštvo, No		2012	
2,	Morvay Z., G	vozdenac [ed Industrial E gement	mergy and	d Environmental	John Wiley & Sons press		2008	
3,	Eastop T.D.,	Croft D.R.	Enerç	gy Efficiency (for Engine	eers and Technologists)	Longman Scientific Technological	&	1990	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Table 5.2 Course specification

Course:												
Course id:		M3496			Р	ipeline Transpo	rtation					
Number of E	ECTS:	7										
Teachers:			Bukurov Ž. N	/laša, Uzelac	N. Dušan							
Course state	JS:		Elective									
Number of a	active teac	hing classe	es (weekly)									
Lectu	res:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
3		2	2	1 0 0								
Precondition courses None												
1. Educatior	nal goal:											
Introduction to the transport of fluid and loose materials in pipelines.												
 2. Educational outcomes (acquired knowledge): Preparation of final year students in the design of hydraulic and pneumatic transport. 3. Course content/structure: Pipeline transportation of solid materials. Physical properties of mixtures. Fluidization of loose materials. Pneumatic transport. Pneumatic transport devices. Hydraulic transport. Hydraulic transport devices. 4. Teaching methods: 												
		,		er exercises a								
						(maximum 100 points)						
		tion obliga	tions	Mandatory	Points	Final ex		Mandatory	Points			
Exercise att				Yes		Theoretical part of the ex	am	Yes	60.00			
Graphic pap				Yes	20.00 5.00	Oral part of the exam		Yes	10.00			
				Yes		ature						
Ord.	A	uthor	Title			Publishe	r l	Year				
	Šašić		Transport fluida i čvrstih materijala cevima				Naučna knjiga, Beo	-	1990			
,	Šašić			•			Naučna knjiga, Beo					



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Table 5.2 Course specification

Lectu 3 Preconditio 1. Educatio	ECTS: 7 tus: active teachir ures: F 3 n courses onal goal: Imeta Tržište (ovanju, (2) up ugovora, (4) s e vrši aktivno a rizikom neo	Elect energenata je oznavanje sa sticanje znanja upravljanje ri phodna inžen	ive ekly) es: su (1) up ključnim u oblast zikom. C	faktorima koj	ng types:	Energy marke	arch work:	Other cla 0	SSES:							
Teachers: Course stat Number of Lectu 3 Preconditio 1. Educatio	tus: active teachir ures: F 3 on courses onal goal: Imeta Tržište o ovanju, (2) upo ugovora, (4) s e vrši aktivno a rizikom neo	Elect energenata je oznavanje sa sticanje znanja upravljanje ri phodna inžen	ive ekly) es: su (1) up ključnim u oblast zikom. C	Other teachin 0 None oznavanje st faktorima koj	ng types:	Study resea			sses:							
Course stat Number of Lectu 3 Preconditio 1. Educatio	active teachir ures: F 3 n courses onal goal: Imeta Tržište o ovanju, (2) upo ugovora, (4) s e vrši aktivno a rizikom neo	Elect energenata je oznavanje sa sticanje znanja upravljanje ri phodna inžen	ive ekly) es: su (1) up ključnim u oblast zikom. C	Other teachin 0 None oznavanje st faktorima koj	ng types:	Study resea			sses:							
Number of Lectu 3 Preconditio 1. Educatio	active teachir ures: F 3 n courses onal goal: Imeta Tržište o ovanju, (2) upo ugovora, (4) s e vrši aktivno a rizikom neo	energenata je oznavanje sa sticanje znanja upravljanje ri phodna inžen	su (1) up ključnim u oblast	0 None oznavanje st faktorima koj					sses:							
Lectu 3 Preconditio 1. Educatio	ures: F 3 n courses onal goal: Imeta Tržište (ovanju, (2) upo ugovora, (4) s e vrši aktivno a rizikom neo	energenata je oznavanje sa sticanje znanja upravljanje ri phodna inžen	su (1) up ključnim u oblast zikom. C	0 None oznavanje st faktorima koj					sses:							
3 Preconditio 1. Educatio	3 on courses onal goal: Imeta Tržište (ovanju, (2) up ugovora, (4) s e vrši aktivno a rizikom neo	3 energenata je oznavanje sa sticanje znanja upravljanje ri phodna inžen	su (1) up ključnim i u oblast zikom. C	0 None oznavanje st faktorima koj					sses:							
Preconditio	on courses onal goal: Imeta Tržište ovanju, (2) upo ugovora, (4) s e vrši aktivno a rizikom neo	energenata je oznavanje sa sticanje znanja upravljanje ri phodna inžen	ključnim i u oblast zikom. C	None oznavanje st faktorima koj	udonoto o	0		0								
1. Educatio	onal goal: Imeta Tržište ovanju, (2) upo ugovora, (4) s e vrši aktivno a rizikom neo	oznavanje sa sticanje znanja upravljanje ri phodna inžen	ključnim i u oblast zikom. C	oznavanje st faktorima koj	udopoto o	•	•									
	lmeta Tržište ovanju, (2) upo ugovora, (4) s e vrši aktivno a rizikom neo	oznavanje sa sticanje znanja upravljanje ri phodna inžen	ključnim i u oblast zikom. C	faktorima koj	udonoto o											
Ciliavi prod	ovanju, (2) upo ugovora, (4) s e vrši aktivno a rizikom neo	oznavanje sa sticanje znanja upravljanje ri phodna inžen	ključnim i u oblast zikom. C	faktorima koj	udonoto o		1. Educational goal:									
svom poslovanju, (2) upoznavanje sa ključnim faktorima koji određuju cenu energenata, (3) razumevanje osnovnih koncepata definisanja terminskih ugovora, (4) sticanje znanja u oblasti mog zaštite od rizika kroz aktivno upravljanje i (5) sticanje znanja o odnosima na tržištima na kojim se vrši aktivno upravljanje rizikom. Osnovni cilj predmeta jeste da se upotpune i integrišu znanja o sistemima funkcionisanja upravljanja rizikom neophodna inženjerima koji zauzimaju pozicije u okviru različitih funkcija u preduzećima, kroz aktivno učešće u procesu nastave i međusobnu interakciju svih studenata.																
2. Educatio	onal outcomes	s (acquired kno	owledge)	:												
business er (3) make d	Students who live audience of the course and pass the exam are able to (1) understand the role and importance of the energy market for business enterprises and industrial systems, (2) understand the methods of analysis and decision-making in the field of risk management, (3) make decisions about how to manage risk and use futures trade mechanisms and (4) participate in defining the relationship of the companies to institutions that provide risk management positions with engineers who are located in different positions.															
3. Course c	content/structu	ure:														
markets, p	articipants in		markets	, standardiza		cial statements, određica nancial futures market, t										
4. Teaching	g methods:															
resolving th	ne case study		ith multip	le choice. St	udents wh	ts. The first part of the e to have passed the first p										
				Knowledge e	evaluation	(maximum 100 points)										
-	re-examinatio	on obligations		Mandatory	Points	Final ex	kam	Mandatory	Points							
Exercise at				Yes		Oral part of the exam		Yes	50.00							
Graphic pa	•			Yes	40.00 5.00											
				Yes												
Ord.	Auth	har			Litera		Publishe	- I	Year							
	obromirov, D.		Tržiěto	energenata			FTN, Novi Sad	51	2012							
, ,	aurence Cope	land	-	0		ional Finance	Prentice Hall		2012							



Standard 06.

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

Study Programme Accreditation

Energy and Process Engineering



UNDERGRADUATE ACADEMIC STUDIES

Programme Quality, Contemporaneity and International Compliance

The study programme is in accordance with the contemporary world scientific trends and with the state of the profession, and it can be compared to the similar programmes at higher educational institutions abroad. The study programme of undergraduate academic studies in Energy and Process Engineering, designed in this way, is holistic and comprehensive and offers students the latest scientific and professional knowledge in this field.

The study programme of undergraduate academic studies in Energy and Process Engineering is comparable and harmonized with the study programmes of the following faculties: Faculty of Mechanical Engineering and Shipbuilding, Zagreb.

Faculty of Mechanical Engineering, Ljubljana.

Technische universitaet, Berlin (Faculty of Technical Sciences, Berlin)

Technische universitaet, Graz (Faculty of Technical Sciences, Grac).



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

Study Programme Accreditation

Energy and Process Engineering

Standard 07. Student Enrollment

UNDERGRADUATE ACADEMIC STUDIES

Each year a certain number of students are enrolled at the Faculty of Technical Sciences on the undergraduate academic studies of Energy and Process Engineering, in accordance with social needs and infrastructure resources, either at the budget financing or self-financing, which is annually defined by special decision of Scientific Educational Council of the Faculty of Technical Sciences.

The selection of students and enrollment is carried out based on the success in the prior education and achieved success at the entrance examination, defined by the Regulations of Student Enrollment to the Study Programmes.

Students from other academic programs as well as persons who have completed studies may be enrolled to this study program. In this respect, the evaluation committee (comprising of the heads of all departments involved in realization of the study program) evaluates all passed activities of candidates for enrollment on the basis of all recognized number of points determined by the year of study in which the student can be enrolled. Hence, the passed activities can be recognized in full, can be recognized in part (Commission may require the proper supplement) or they may not be recognized at all.



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

Study Programme Accreditation



UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Standard 08. Student Evaluation and Progress

The final grade in each course included in this programme is formed by continual monitoring of students` accomplishments throughout the academic year and by passing the final examination.

Students master the study programme by taking examinations and thus obtaining a certain number of ECTS credits, in accordance with the study programme. Each course within the programme is worth a certain number of ECTS credits which students obtain by successfully passing the course examination. The number of ECTS credits is based on the quantity and quality of work students are required to submit during a certain course and on the Faculty of Technical Sciences` unique methodology for all study programmes. Students` success in mastering a certain course is constantly monitored during classes and is expressed in points. Maximum number of points obtained in a course is 100.

Students obtain points from a course through their work during classes, completion of the prerequisites and taking the examination. The minimum number of points a student can obtain by fulfilling the course prerequisites during classes is 30, and the maximum 70.

Each course at the study programme has a clear and transparent mode of obtaining points. There are several ways students can obtain points: by participating in different activities during classes, by fulfilling the course prerequisites and by passing the course examination.

The final success of students at a course is presented with a grade 5 (failed) to 10 (excellent). The 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.

In order to take the final examination in the certain course, it is necessary that the student obtains at least 15 ECTS credits in the examination prerequisites. Additional conditions for taking the examinations are defined individually for each course.

Advancement of students during education is defined by the Rules of Studying at the Undergraduate Academic Studies - Bachelor.



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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Standard 09. Teaching Staff

For the realization of the study programme at undergraduate studies in Energy and Process Engineering, there is teaching staff with necessary professional and scientific qualifications.

The number of teachers corresponds to the needs of the study programme and depends on the number of courses and hours in the courses. The total number of teachers is sufficient to cover the total number of hours on the study program, so that the teacher has about 180 hours of active lecturing (Lectures, consultations, exercises, practical work, ...) annually, or 6 times a week. Out of the total number of necessary teachers, all 100% of the teachers are full-time employed.

The number of associates meets the requirements of the study program. The total number of associates on the study program is sufficient to cover the total number of hours in the study programme, so that the associates make an average of 300 hours of active lecturing per year, that is, 10 hours per week.

The teaching staff is qualified for lecturing, which is confirmed by their references in the scientific field, that is, in the professional field lectured at the study programme.

The group size for the lectures is up to 180 students, for exercises up to 60 students, and for labs up to 20 students.

None of the teachers has the workload of over 12 hours per week. All data on teachers and associates (CV, elections for the position, references) are available to the public.



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	e and last n	ama:			Adžić Z. Nevenka				
	e and last n	ame.			Full Professo				
				a de a construction de la Marca de const	F H CT		nces - Novi Sad		
-	e of the inst ng date:	itution v	vnere the te	eacher works full time and	15.09.1978				
	ntific or art f	ield:			Mathematics				
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	ection:	2002	Faculty of Technical Sci	ences - Novi S	ad	Mathematics		
PhD	thesis		1990	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Magi	ster thesis		1986	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Bachelor's thesis 1976 Faculty of Sciences - No					ovi Sad	Mathematical Sciences			
List of courses being held by the teacher in the accredited study p				acher in the accredited stu					
	ID Course name				Study programme name, study type				
1.	E121	Mathe	matical Ana	alysis 2			er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	E221A	Matho	matical Apr	alveis 2		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
۷.	L221A	waute	matical Ana	แม้อเอ 2			asurement and Control Engineering, uate Academic Studies		
3.	GG10	Mathe	matical Met	hods 3		(G00) Civi	I Engineering, Undergraduate Academic Studies		
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies			
4.	M106	Mathe	matics 2			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
٦.	MITOO	Matric					nical Mechanics and Technical Design, uate Academic Studies		
						(P00)Proo Studies	duction Engineering, Undergraduate Academic		
5.	S017	Mathe	matics 2			Academic			
		matino				(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies			
6.	S0213	Mathe	matical Sta	tistics		Academic			
							tal Traffic and Telecommunications, uate Academic Studies		
							ety at Work, Undergraduate Academic Studies		
	_	Mathematics 1				(ZC0) Clea	an Energy Technologies, Undergraduate Studies		
7.	Z104					Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate Academi Studies			
8.	BMI91	Mathe	matics 1			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
9.	BMI92	Mathe	matics 2			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
10.	E101A	Discre	te Mathema	atics			ver, Electronic and Telecommunication g, Undergraduate Academic Studies		
						Studies	strial Engineering, Undergraduate Academic		
11.	IM1012	Probat	oility and St	atistics		Studies	neering Management, Undergraduate Academic		
						(P00)Proo Studies	duction Engineering, Undergraduate Academic		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

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

List o	of courses b	eing held by the teacher in the accredited study programme	28							
	ID	Course name	Study programme name, study type							
12.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies							
12.	11011525		(I20) Engineering Management, Undergraduate Academic Studies							
13.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies							
14.	0M517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies							
15.	0ML517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies							
			(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies							
			(112) Industrial Engineering, Specialised Academic Studies							
16.	DZ01MS	Selected Chapters in Mathematics	(I22) Engineering Management, Specialised Academic Studies							
			(Z00) Environmental Engineering, Specialised Academic Studies							
17.	D0M24	Numerical Solutions of Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies							
			(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies							
			(E20) Computing and Control Engineering, Doctoral Academic Studies							
			(F00) Graphic Engineering and Design, Doctoral Academic Studies							
			(F20) Engineering Animation, Doctoral Academic Studies							
			(G00) Civil Engineering, Doctoral Academic Studies							
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies							
18.	DZ01M	Selected Chapters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies							
	220111		(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies							
			(M00) Mechanical Engineering, Doctoral Academic Studies							
			(M40) Technical Mechanics, Doctoral Academic Studies							
			(OM1) Mathematics in Engineering, Doctoral Academic Studies							
			(S00) Traffic Engineering, Doctoral Academic Studies							
			(Z00) Environmental Engineering, Doctoral Academic Studies							
			(Z01) Safety at Work, Doctoral Academic Studies							
19.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies							
- i		e refferences (minimum 5, not more than 10)								
1. 2.	V. Vrcelj,		M 70,(1990) 6, T647-T649. ngular perturbation problems, International journal of computer							
	N. Adzic:	ttics, Vol.39, (1991) 229-238. Modified hermite polynomials in the spectral approximation	for boundary layer problems, Bulletin of the Australian							
3. 4.	mathema	tical society, Vol.45, (1992) 267-276.<\eng>								
 5.		Nonclassical orthogonal polynomials and singularly perturb								
6. 7.	N. Adzic,	Spectral approximation and asymptotic behaviour of bound Z. Uzelac: A combination of spline and spectral approximat								
	. ,.	853-S854	nlogal Roundany Conditional ZANNAZO (1000) 8884 8889							
8. 9.	N. Adzic,	c, N. Adzic: The Approximate Solution for Problems with Nor Z. Uzelac: On spectral approximation for some two-dimens	niocal Boundary Conditions, ZAMM79 (1999), S881-S882 ional singularly perturbed problems, ZAMM79 (1999), S851-							
10.	S852 N. Adzic:	On the spectral approximation for singularly perturbed prob	olems,ZAMM 71(1991)6,T773-T776.							
— —	-	N. Adzic: On the spectral approximation for singularly perturbed problems,ZAMM 71(1991)6,T773-T776.								



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

Study Programme Accreditation

Energy and Process Engineering

UNDERGRADUATE ACADEMIC STUDIES

Quotation total :	5							
Total of SCI(SSCI) list papers :	10							
Current projects :	Domestic :	2	International :	0				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	ne and last name: Baloš S. Sebastian								
	lemic title:	ame.			Assistant Pro				
		itution	whore the t-	achor works full time and	F 11 (T		nces - Novi Sad		
-	ng date:	itution v	vnere the te	eacher works full time and	01.04.2001				
	ntific or art f	ield:				nce and End	gineering Materials		
	lemic caries		Year	Institution	Material Oole		Field		
	lemic title el		2011	Faculty of Technical Sci	ences - Novi S	ad	Material Science and Engineering Materials		
	thesis	couon.	2010	Faculty of Technical Sci			Material Science and Engineering Materials		
	ster thesis		2009	Faculty of Technical Sci			Material Science and Engineering Materials		
	elor's thesis		2000	Faculty of Technical Sci			Material Science and Engineering Materials		
		-		acher in the accredited stu			Matchar Ocience and Engineering Matchars		
LISU		eing ne							
	ID	Course name				Study programme name, study type			
1.	P206	Weldir	ng Technolo	ogy		(P00)Proo Studies	duction Engineering, Undergraduate Academic		
2.	P2406	Compo	osite Materi	als		(P00)Proo Studies	duction Engineering, Undergraduate Academic		
3.	P2409	Moder	n Joining T	echnologies - 1		Studies	duction Engineering, Undergraduate Academic		
4.	P2409A	Moder	n Joining T	echnologies - 2		(P00) Proo Studies	duction Engineering, Undergraduate Academic		
5.	P4406	Joining	g Technolog	gy of Modern Materials		(P00) Production Engineering, Undergraduate Academic Studies			
6.	II1001	Engine	eering mate	rials		(110) Indus Studies	strial Engineering, Undergraduate Academic		
7.	M2062	Mechanical engineering technologies 2				Undergrad (M40) Teo	chanization and Construction Engineering, uate Academic Studies chnical Mechanics and Technical Design, uate Academic Studies		
8.	M3203	Technology of machinery					ergy and Process Engineering, Undergraduate		
9.	ZC003	Electro	omechanica	al materials		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
10.	P2501	Proces	ss Design ir	n Welding Technology		(PM0) Production Engineering, Master Academic Studies			
11.	BMIM4G	Bioma	-	<u> </u>		(BM0) Biomedical Engineering, Master Academic Studies			
12.	PPI106			ies in precision engineerir	ng	(PM0) Production Engineering, Master Academic Studies			
13.	PTS01		ology of sin		-	(PM0) Production Engineering, Master Academic Studie			
14.	DP001		n and Rese	arch Methods in Productio	on	, ,	chanical Engineering, Doctoral Academic Studies		
15.	SAP002	Engine	eering Mate	rials		(M00) Me	chanical Engineering, Doctoral Academic Studies		
16.	DP023	Joining	g technolog	ies - selected topics		(M00) Me	chanical Engineering, Doctoral Academic Studies		
17.	DP024	Weldir	ng technolog	gy - selected topics		(M00) Me	chanical Engineering, Doctoral Academic Studies		
18.	DP025	Mater	ials Corrosi	on and Protection		(M00) Me	chanical Engineering, Doctoral Academic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)					
1.				L.: Metallographic study o Design, 2011, Vol. 32, pp.			· impacted by armour-piercing incendiary 69		
2.	Baloš S., 276, ISSI			Roman mystery iron blade	es from Serbia	, Materials	s Characterization, 2009, Vol. 60, No 4, pp. 271-		
3.				L.: Microdeformation of s 487, ISSN 0924-0136	oft particles in	metal matrix	composites, Journal of Materials Processing		
4.				Roman mystery iron blade 1101, ISSN 1431-9276	es from Serbia,	Microscopy	and microanalysis, 2007, Vol. 13, No		
5.	Baloš S.,	Grabulo		nin (Sidjanin) L., Pantić M.	: Wire fence a	s applique a	rmor, Materials and Design, 2010, Vol. 31, pp.		
		.,		-					

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AN	NULL DIOR	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSII	TEJA OBRADOVIĆA 6	STATE			
ND. 70		Study F	Study Programme Accreditation						
`O	LANTER	UNDERGRADUATE ACADEMIC	STUDIES Energy and Process Engineering						
Re	Representative refferences (minimum 5, not more than 10)								
6.	6. Baloš S., Grabulov V., Šiđanin (Sidjanin) L., Pantić M., Radisavljevic I.: Geometry, mechanical properties and mounting of perforated plates for ballistic application, Materials and Design, 2010, Vol. 31, pp. 2916-2924, ISSN 0261-3069								
7.	 Vrač D., Šiđanin (Sidjanin) L., Kovač P., Baloš S.: The influence of hohning process parameters on surface quality, productivity, cutting angle and coefficients of friction, Industrial Lubrication and Tribology, 2012, Vol. 64, No 2, pp. 77-83, ISSN 0036-8792 								
8.		., Jovalekić Č., Sekulić D., Slankan ured Spinel NiFe2O4 Obtained by S							
9.		đanin (Sidjanin) L., Baloš S.: Mecha gy, 2011, Vol. 63, No 6, pp. 427-43		: cutting regimes	and surface texture, Industri	ial Lubrication			
10.		alos T., Šiđanin (Sidjanin) L., Marko energy, Materiale Plastice, 2011, V				s treated by			
Su	mmary data fo	r teacher's scientific or art and profe	essional activity:						
Quo	tation total :		15						
Tota	I of SCI(SSCI)	list papers :	13						
Curr	ent projects :		Domestic :	2	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	ame and last name: Be					Berić B. Andrijana				
-	lemic title:	unic.			Lecturer	ijana				
		itution v	where the te	acher works full time and		chnical Scie	nces - Novi Sad			
	ng date:				04.11.2004					
Scier	ntific or art f	ield:			German					
Acad	lemic carie	er	Year	Institution		Field				
Acad	lemic title e	ection:	2010	Faculty of Technical Sci	ences - Novi S	ad	German			
Mast	er's thesis		2009	Faculty of Philology - Be	eograd		German			
Bach	elor's thesis	S	2003	Faculty of Philosophy - I	Novi Sad		German			
List of courses being held by the teacher in the accredited stu			udy programme	es						
	ID	Course name				Study programme name, study type				
1.	F330	Germa	an Languag	e – LSP Course 1		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies			
2.	F331	Germa	an Languag	e – LSP Course 2		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies			
						(A00) Arch	nitecture, Undergraduate Academic Studies			
							nic Architecture, Technique and Design, uate Academic Studies			
		Z German Language – Elementary				(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
3.	NJ01Z					(Z01) Safe	ety at Work, Undergraduate Academic Studies			
0.						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies			
							aster Risk Management and Fire Safety, uate Academic Studies			
						(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic			
						(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies			
						(G00) Civil Engineering, Undergraduate Academic Studie				
							chanization and Construction Engineering, uate Academic Studies			
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies			
							chnical Mechanics and Technical Design, uate Academic Studies			
4.	NJ02L	Corme		e – Pre-Intermediate		(P00) Prod Studies	duction Engineering, Undergraduate Academic			
4.	INJUZL	Genna	an Langudg	1-1C-111C1111CUId(C		(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies			
							tal Traffic and Telecommunications, uate Academic Studies			
						(Z01) Safe	ety at Work, Undergraduate Academic Studies			
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies			
							aster Risk Management and Fire Safety, uate Academic Studies			
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

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

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

AN AN	TAS STUDIO	FACULTY OF TECHNICAL SC	UNIVERSITY OF NO		EJA OBRADOVIĆA 6	STUTIER AND					
NO. NEOS	ANTEN	-	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering								
List c	List of courses being held by the teacher in the accredited study programmes										
	ID Course name Study programme name, study type										
19.	F508	German Language for GRID 3		(F00) Graphic E Studies	Engineering and Design, Ma	ister Academic					
20.	nja	German Language in Architecture		(AH0) Architectu	ire, Master Academic Studie	es					
Rep	oresentative	refferences (minimum 5, not more th	an 10)								
1.	Prevod: I	novacije i trendovi u proizvodnji alatni	ih mašina								
2.	Prevod: I	nženjerstvo mehatroničnih sistema									
3.	Prevodi z	a Pro Elektro (u toku)									
4.		rbeitszenarien und Optimierung von g (u toku)	Abläufen und Steueru	ng von selbstorga	inisierenden Bionic Assemb	ly System in CIM					
Sur	mmary data	for teacher's scientific or art and prof	essional activity:								
	ation total :		0								
		CI) list papers :	0		1						
Curre	ent projects	:	Domestic :	0	International :	0					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	Name and last name: Bjelaković M. Radivoje										
	emic title:	unic.				Full Professor					
		itution v	where the to	acher works full time	o and	Faculty of Tec		nces -	Novi Sad		
	ng date:				e anu	25.09.1975					
Scier	ntific or art f	ield:				Thermal Ener	getics and T	Therm	otechnics		
Acad	emic cariee	er	Year	Institution	•			Field			
Acad	emic title el	ection:	2004	Faculty of Technic	al Sci	ences - Novi Sa	ad	Ther	Thermal Energetics and Thermotechnics		
PhD	thesis		1988	Faculty of Mechan	ical E	ngineering - Be	ograd	Thermal Energetics and Thermotechnics			
Magister thesis 1982 Faculty of Technical						ences - Novi Sa	ad	Ther	mal Energetics and Therm	otechnics	
Bach	elor's thesis	5	1972	Faculty of Mechan	ical E	ngineering - Be	eograd	Ther	mal Energetics and Therm	otechnics	
List c	of courses b	eing he	ld by the te	acher in the accredit	ted stu	udy programme	s				
	ID	Course	e name				Study pro	gramr	ne name, study type		
1.	1. M3305 Heating, Ventilation and Air-Conditioning (M30) Energy and Process Engineering, Undergate Academic Studies							ndergraduate			
2.	Z412A	Proces	ss apparatu	s for protecting the e	enviro	nment	(Z20) Envir Studies	ronme	ntal Engineering, Undergra	aduate Academic	
3.	Z412	Proces engles		za zaštitu okoline(un	eti na	ziv na	(Z20) Environmental Engineering, Undergraduate A Studies			aduate Academic	
4.	M3048	Heatin	g, Ventilatio	on and Air-Condition	ing		(ZC0) Clea Academic		ergy Technologies, Underg es	raduate	
5.	GS002	Energy Syster		of Heating and Air C	Condit	ioning	(G10) Ene Studies	ergy Ef	fficiency in Buildings, Speci	alised Academic	
6.	GS003	Renew	vable Energ	ıy in Civil Engineerin	ng		(G10) Ene Studies	ergy Ef	fficiency in Buildings, Speci	alised Academic	
7.	1070	Energy	y efficiency				(M50) Ene	ergy M	anagement, Master Acade	mic Studies	
8.	1939	Meren	je, nadzor i	upravljanje			(M50) Ene	ergy M	anagement, Master Acade	mic Studies	
9.	M3410	Uncon	ventional s	ystems for heating a	ind co	oling	(M30) Ene Studies	ergy ar	nd Process Engineering, M	aster Academic	
Rep	oresentative	reffere	nces (minin	num 5, not more tha	n 10)						
1.									imes,The Second word Co ts and systems,PP 161-165		
2.	Prilog od dinamičko	redjivan og progi	ju optimalni ramiranja,K	h hidrauličkih param GH,1/1194,s.25-28	netara	mreže daljinsk	og grejanja	za pro	omenljive protoke vode me	todom	
3.	Prilog od 56.	redjivan	ju optimalno	e raspodele raspolož	živih n	apora mreže d	aljinskog gre	ejanja	sa više toplotnih izvora,KG	GH,1/1998,s.53-	
4.	Odredjiva	anje opti	malnih gub	itaka pritisaka prster	naste	mreže daljinsko	og grejanja,ł	KGH,1	/2000,s.75-80		
5.	Optimiza	cija mre	že daljinsko	og grejanja,Fakultet	tehnič	kih nauka,Novi	Sad,2002.				
6.	Eksploata	acija vre	lovodnih m	reža daljinskog greia	anja s	a više toplotnih	izvora.Fakı	ultet te	hničkih nauka,Novi Sad,19	81.	
7.		-			-				ive režime,Mašinski fakulte		
Sur	nmary data	for teac	her's scien	tific or art and profes	ssiona	I activity:					
Quot	ation total :				0						
Total	of SCI(SSC	CI) list p	apers :		0						
Current projects : Domestic : 0 International : 0											



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

N.L.					Deart- 1/ ×	1/0	1	
_	e and last n	ame:			Bogdanović Ž. Vesna Senior Lecturer			
	lemic title:					-	nces - Novi Sad	
	e of the inst ing date:	itution w	where the te	acher works full time and	15.12.1999	chnical Scie	nces - Novi Sau	
	ntific or art f	ield [.]			English			
	lemic cariee		Year	Institution			Field	
	lemic title el		2009	Faculty of Technical Sci	ences - Novi Sa	ad	English	
	ster thesis		2007	Faculty of Philosophy - I			English	
	elor's thesis	6	1999	Faculty of Philosophy - I			English	
List o	List of courses being held by the teacher in the accredited				udy programme	S	-	
	ID	Course	e name			Study pro	ogramme name, study type	
1.	AEJ1L	English	n Language	- Elementary		(A00) Arcł	hitecture, Undergraduate Academic Studies	
2.	AEJ2L	English	n Language	intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	English	n intermedia	ate		(A00) Arch	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	English	n Language	- upper intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
							il Engineering, Undergraduate Academic Studies	
							chanization and Construction Engineering, luate Academic Studies	
	EJ01L	English Language – Elementary				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.						(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academ Studies		
						(S00) Traffic and Transport Engineering, Undergrad Academic Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
							ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
					Ünder		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies	
6.	EJ01Z	English	n Language	- Elementary			(Z01) Safety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
							aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Environmental Engineering, Undergraduate Acade Studies		
							ver, Electronic and Telecommunication Ig, Undergraduate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
							chanization and Construction Engineering, luate Academic Studies	
7.	EJ02L	English	n Language	- Pre-Intermediate			asurement and Control Engineering, luate Academic Studies	
		-				(Z01) Safety at Work, Undergraduate Academic Studies		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Environmental Engineering, Undergraduate Acader Studies		

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

of courses being held by the teacher in the accredited study programme

List c	t of courses being held by the teacher in the accredited study programmes							
	ID	Course name	Study programme name, study type					
8.	EJ02Z	English Language – Pre-Intermediate	 (110) Industrial Engineering, Undergraduate Academic Studies (120) Engineering Management, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies 					
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies					
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies					
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies					
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies					
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
			(Z20) Environmental Engineering, Undergraduate Academic Studies					
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies					
			(Z01) Safety at Work, Undergraduate Academic Studies					
10.	EJ04L	English Language – Upper Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
			(Z20) Environmental Engineering, Undergraduate Academic Studies					
			(E20) Computing and Control Engineering, Undergraduate Academic Studies					
			(ES0) Power Software Engineering, Undergraduate Academic Studies					
		English Language - Elementary	(F10) Engineering Animation, Undergraduate Academic Studies					
11.	EJ1Z		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies					
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					
			(AH0) Architecture, Master Academic Studies					
			(E20) Computing and Control Engineering, Undergraduate Academic Studies					
			(F10) Engineering Animation, Undergraduate Academic Studies					
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies					
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

Energy and Process Engineering

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



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

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

List	of courses being held by the teacher in the accredited study programmes								
	ID	Course name	Study programme name, study type						
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies						
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies						
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies						
34.	EJIIM	English for Specific Purposes	(110) Industrial Engineering, Undergraduate Academic Studies						
34.	EJIIVI	English for Specific Purposes	(I20) Engineering Management, Undergraduate Academic Studies						
			(E20) Computing and Control Engineering, Undergraduate Academic Studies						
			(ES0) Power Software Engineering, Undergraduate Academic Studies						
			(F10) Engineering Animation, Undergraduate Academic Studies						
35.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies						
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies						
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies						
			(AH0) Architecture, Master Academic Studies						
	EJ2Z		(E20) Computing and Control Engineering, Undergraduate Academic Studies						
			(ES0) Power Software Engineering, Undergraduate Academic Studies						
			(F10) Engineering Animation, Undergraduate Academic Studies						
36.		English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies						
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies						
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies						
			(AH0) Architecture, Master Academic Studies						
37.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies						
38.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies						
39.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies						
40.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies						
Rep	oresentative	e refferences (minimum 5, not more than 10)							
1.	Vesna M	arković, English in Civil Engineering, FTN Izdavaštvo, Novi	Sad, 2004.						
2.	Vesna Bo	ogdanović, Ivana Mirović, Engleski jezik za grafičko inženje	rstvo i dizajn 1, FTN Izdavaštvo, Novi Sad, 2007.						
3.	Ivana Mir	ović, Vesna Bogdanović, Engleski jezik 2 za grafičko inženj	jerstvo i dizajn, FTN Izdavaštvo, Novi Sad, 2008						
4.	Vesna M	arković, English in Civil Engineering, drugo izdanje, FTN Izo	davaštvo, Novi Sad, 2008.						
5.		y of Novi Sad, Faculty of Technical Sciences, prevele: Marin ovi Sad, 2004.	na Katić, Vesna Marković, Ivana Mirović, Fakultet tehničkih						
6.			eograd: Zadužbina Andrejević, 2009, ISBN 978-86-7244-743-9						
7.		vić Vesna, Mirović Ivana, Ličen Branislava, Kreiranje udžbe ja, Zbornik radova međunarodne konferencije Jezik struke							
8.	Mirović Iv	-	e stručnog engleskog jezika na FTN-u u Novom Sadu, Zbornik						

2.0										
S	TAS STUD		UNIVERSITY OF NOVI SAD							
A	OR	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
A Des Ca		Study F	Study Programme Accreditation							
.0	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	IES Energy and Process Engineering						
Re	presentative r	efferences (minimum 5, not more th	an 10)							
9.		esna, Gak Dragana, Bogdanović Ve e Jezik struke – teorija i praksa, DS			om fakultetu, Zbornik radova	međunarodne				
10.		na, Bulatović Vesna, Bogdanović Ve lova međunarodne konferencije Jez				fakultetu,				
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:							
Quo	tation total :		0							
Tota	I of SCI(SSCI)) list papers :	0							
Curr	ent projects :		Domestic :	0	International :	0				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name:					Borovac A. Branislav			
	lemic title:				Full Professor			
		titution v	vhere the te	acher works full time and			nces - Novi Sad	
-	ng date:				01.10.1975			
Scier	ntific or art f	ield:			Mechatronics, Robotics and Automation and Integral Systems			
Acad	lemic caries	er	Year	Institution		Field		
Acad	lemic title e	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	
Bachelor's thesis 1975 Faculty of Technical S			Faculty of Technical Sci	ences - Novi Sa	ad	Mechanical Engineering		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	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	tronics			(M40) Tec	chatronics, Undergraduate Academic Studies chnical Mechanics and Technical Design, luate Academic Studies	
4.	H308	Indust	rial Robotic	S		v	chatronics, Undergraduate Academic Studies	
						, ,	ineering Animation, Undergraduate Academic	
5.	1600	Industrial Robotics					asurement and Control Engineering, luate Academic Studies	
							er, Electronic and Telecommunication g, Undergraduate Academic Studies	
6.	BM116A	Basics of medical robotics				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
7.	EM436A	Mecha	itronics				er, Electronic and Telecommunication Ig, Undergraduate Academic Studies	
8.	II1035	Indust	rial robotics			(I10) Industrial Engineering, Undergraduate Academic Studies		
						Undergrad	chnical Mechanics and Technical Design, luate Academic Studies	
9.	H1503	Non In	dustrial Rol	botics and Automation in I	Buildings	·	chatronics, Master Academic Studies	
					<u> </u>	, ,	strial Engineering, Master Academic Studies	
10.	HDOK1 S	Select	ed topics in	industrial robotics		Engineerin	ver, Electronic and Telecommunication Ig, Specialised Academic Studies	
11.	HDOK2 S	Select	ed topics in	non-industrial robotics		(112) Indus	strial Engineering, Specialised Academic Studies	
12.	IMDR0S	Selecter and co		s in enterprise's design, or	ganization	· ,	strial Engineering, Specialised Academic Studies neering Management, Specialised Academic	
13.	NIT05	Advan	Advanced Technology for Material Handling]		istrial Engineering - Advanced Engineering ies, Master Academic Studies	
14.	AD0007	Interac	ctive system	ns in architecture			ital Techniques, Design and Production in re and Urban Planning, Master Academic Studies	
15.	H828	Advan	ced robotic	S		(H00) Mec	chatronics, Master Academic Studies	
							strial Engineering, Master Academic Studies	
16.	H829	Advan	ced robotic	S		(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies	
17.	IIDS6	Select	ed chapters	in automation		(112) Indus	strial Engineering, Specialised Academic Studies	
18.	GD018	Autom	ation and R	obotics in Construction		· /	il Engineering, Doctoral Academic Studies thematics in Engineering, Doctoral Academic	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

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		In a los au l		41 4		41	a subscription of	- 4		
DT	courses	peina	neia pv	the tea	acner in	the ac	ccredited	stuav t	programmes	

List of courses being held by the teacher in the accredited study programmes										
	ID	Course name		Study program	me name, study type					
					ectronic and Telecommunic ctoral Academic Studies	ation				
19.	HDOK-1	Selected Chapters in Industrial Robo	tice	(H00) Mechatro	nics, Doctoral Academic Stu	udies				
19.	HDOK-1	Selected Chapters in Industrial Robo	Jucs	(M40) Technica	I Mechanics, Doctoral Acad	emic Studies				
				(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic				
					ectronic and Telecommunic ctoral Academic Studies	ation				
	HDOK-2			(H00) Mechatro	nics, Doctoral Academic Stu	udies				
20.		Selected Chapters in Non-Industrial	Robotics	(I20) Industrial E Doctoral Acader	Engineering / Engineering M nic Studies	lanagement,				
				(M40) Technica	I Mechanics, Doctoral Acad	emic Studies				
				(OM1) Mathema Studies	atics in Engineering, Doctor	al Academic				
				(H00) Mechatro	nics, Doctoral Academic Stu	udies				
21.	HDOKL1	Selected topics in non-industrial robo	otics	(M00) Mechanio	cal Engineering, Doctoral Ac	ademic Studies				
				, ,	I Mechanics, Doctoral Acad					
22.	HDOKL2 Selected topics in non-industrial robotic		otics	,	nics, Doctoral Academic Stu					
				, ,	I Mechanics, Doctoral Acad					
23.	IMDR0	Science of Industrial Engineering an	d Management	(120) Industrial E Doctoral Acader	Engineering / Engineering M nic Studies	lanagement,				
24.	IMDR80	Selected chapters in automation		(120) Industrial E Doctoral Acader	Engineering / Engineering M nic Studies	lanagement,				
Rep	oresentative	refferences (minimum 5, not more th	an 10)							
1.		ratović, V. Potkonjak, K. Babković, B Jynamics, Volume 17, Number 1, (Fe								
2.		ović M., Borovac B., Potkonjak V., Tov (2007) Vol. 25, pp. 87-101	wards a Unified Under	standing of Basic	Notions and Terms in Hum	anoid Robotics,				
3.		ović M., Borovac B., Potkonjak V., ZM o. 2 (2006), pp. 153-176	IP: A Review of Some	Basic Misunder-s	standings, Int. Jour. of Huma	anoid Robotics,				
4.		njak, M. Vukobratović, K. Babković, B. s and Verification, Int. Jour. of Human				otion: Feasibility,				
5.		ović M., Borovac B., Babković K., "Co d Robotics, Vol. 2, No. 3 (2005), pp. 3		of Anthropomorp	hism 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 Yea	rs of its Life", Int. Jour. of Hu	umanoid				
7.		ović M., Borovac B., "Zero-Moment Po 04, pp. 157-173	pint- Thirty Five Years	of its Life", Int. Jo	our. of Humanoid Robotics, V	Vol. 1, No.1,				
8.		ratović, D. Andrić, B. Borovac, "How t d Robotic Systems, Vol. 1., No. 2, Pa		it Patterns from S	Single Nominal ", Internation	al Journal of				
9.		A. Vujanić, N. Adamović, L. Nagy, B. nics, Vol. 11, (2001), pp.869-897	Borovac "A Platform f	or Micro-Position	ing Based on Piezo-Legs", ⊺	The Journal of				
10.	Patterns	ratović, D. Andrić, B. Borovac, "Huma from a Single Nominal ", Cutting Edge (er-lag Robert Mayer-Scholz, © 2005	Robotics, Edited by \	/. Kordic, A. Laza	nica, M. Merdan, Published					
Sun	nmary data	for teacher's scientific or art and profe	essional activity:							
	ation total :		1998							
		CI) list papers :	35 Damaatia		later and the set					
Curre	ent projects		Domestic :	2	International :	1				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	e and last n	ame.			Bukurov Ž. M	aša			
	e and last n				Assistant Professor				
		titution v	vhere the te	acher works full time and					
-	ng date:				01.11.1993				
	ntific or art f	ield:				Mechanics	- Hydro Pneumatic Technics		
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	lection:	2010	Faculty of Technical Sci	ences - Novi S	ad	Applied Fluid Mechanics - Hydro Pneumatic Technics		
PhD	thesis		2004	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering		
Magi	ster thesis		1998	University of Novi Sad -	Novi Sad		Environment Protection Engineering		
Bach	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	ogramme name, study type		
1.	M205	Fundamentals of Fluid Mechanics				(ZC0) Cle Academic	ety at Work, Undergraduate Academic Studies an Energy Technologies, Undergraduate Studies ronmental Engineering, Undergraduate Academic		
						Studies			
							chanization and Construction Engineering, luate Academic Studies		
2.	M205L	Fundamentals in Fluid Mechanics				(M30) Energy and Process Engineering, Undergraduate Academic Studies			
۷.						(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
						(P00)Pro Studies	duction Engineering, Undergraduate Academic		
3.	M212	Fluid N	lechanics 1			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
0.	1012 12		Accinanics				chnical Mechanics and Technical Design, luate Academic Studies		
4.	M3301	Pumni	ng and Cor	npression Stations		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
ч.	100001	i unpi				(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
5.	M3306	Device	es for Mech	anical Purification		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
0.	Moooo	Device				(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
6.	M3403	Fluid N	lachines			Àcadémic			
7.	M3453	Measu	irement of f	luid properties		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
,. 						Undergrad	easurement and Control Engineering, luate Academic Studies		
8.	URZP14	Funda	mentals of	Mechanical Engineering		Undergrad	aster Risk Management and Fire Safety, luate Academic Studies		
9.	M3203	Techn	ology of ma	ichinery		Academic			
10.	M3401	Fluid N	lechanics 2	2		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
11.	M3496	Pipelin	e Transpor	tation		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
12.	M3553	Pipe N	letworks Mo	odelling		(M30) Ene Studies	M30) Energy and Process Engineering, Master Academic Studies		
13.	M3513	Comp	utational Flu	uid Dynamics		(M30) Energy and Process Engineering, Master Academic Studies			
14.	S0MI12	Theory	∕ of ship's n	notion and maneuverability	y	(S00) Trat Studies	ffic and Transport Engineering, Master Academic		

4	AS STUD		UNIVERSITY OF NO	VI SAD		WYKNX H		
A A	NUL OIOR	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSI	TEJA OBRADOVIĆA 6	STATE STATE		
		Study F	Programme A	ccreditatio	on	Contraction		
.0t	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Energy	and Process Engineering	HO		
Rep	presentative r	efferences (minimum 5, not more th	an 10)					
1.		v, Maša Bukurov, A. Jovanović, T. S N SUCTION DRAINAGE, Arch Ortl				CTS OF		
2.		rov, Ž Bukurov, M. Lekić, D. Stojko FICIENT USAGE OF WATER WAY						
3.	TRANSPO	rov, S. Tašin, B. Todorović, EFFICI RTATION, Proceedings of PSU-UN UNS 03021, p.126-129				" Thailand, Dec.		
4.		rov, S. Bikić, B. Todorović, S. Tašin lav Congress on Theoretical and A				ICIENCY RATE,		
5.		rger, A. Gronauer, Maša Bukurov, C Processing and Energy in Agricultu			L PROTECTION BY USAG	E OF BIOGAS,		
6.	FABRICI C	rov, ENERGETSKO-EKOLOŠKO F EMENTA, magistarski rad, Univerzi a zaštite životne sredine, 1998.						
7.		, Maša Bukurov, IMPORTANCE OI 2, 2006, Rousse. (proceedings, vo			FLOW RATE MEASURING	, Scintific		
8.		, Maša Bukurov, B. Todorović, S. Bi I PRITISKA KROZ PARO-VODENU						
9.	Maša Buku Sad, 2004.	rov, Istraživanje svojstava nadyvuč	nog paro-vodenog inje	ektora, doktorska	disertacija, Fakultet tehničk	ih nauka, Novi		
10.	KARAKTE	38.Ž. Bukurov, Maša Bukurov, B. Todorović, S. Bikić, PODLOGE ZA ISTRAŽIVANJE ENERGIJSKO-STRUJNIH KARAKTERISTIKA U NADZVUČNOJ KOMORI ZA MEŠANJE PARO-VODENE MLAZNE PUMPE, Industrijska energetika 2004, Lepenski vir, oktobar 2004						
	,	or teacher's scientific or art and profe	,					
	ation total :		0					
	of SCI(SSCI) list papers :	0		<u> </u>	1.		
Curre	ent projects :		Domestic :	0	International :	0		

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name	e and last n	ame.			Cvetićanin J. Livija			
	emic title:				Full Professor			
		titution v	vhere the to	acher works full time and				
	ng date:				12.11.1975			
	tific or art f	ield:			Machine Mechanics			
Academic carieer Year Institution					Field			
	emic title el		1992	Faculty of Technical Sci	ences - Novi S	ad	Machine Mechanics	
	thesis		1981	Faculty of Technical Sci			Mechanical Engineering	
	,			Faculty of Mathematics			Mechanics	
	Bachelor's thesis 1975 Faculty of Technical S					ad	Mechanical Engineering	
				acher in the accredited stu				
1		onig no			all programme			
	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	Mecha	unice 1			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
۷.	111103	wecha	u 1103 I				hnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
	M107	Mechanics 2				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
3.							chnical Mechanics and Technical Design, uate Academic Studies	
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
	M004	Maaha				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M201	Mecha	Mechanics 3			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Production Engineering, Undergraduate Academ Studies		
							chanization and Construction Engineering, uate Academic Studies	
5.	M2411	Theory	y of Oscillat	ion		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
							chanical Engineering, Doctoral Academic Studies	
6.	DM405	Chaos	in Dynamic	c Systems		(M40) Tec	hnical Mechanics, Doctoral Academic Studies	
				,		(OM1) Mathematics in Engineering, Doctoral Academ Studies		
	DMAGO	New	oror Or -!!!	tiono		(M00) Med	chanical Engineering, Doctoral Academic Studies	
7.	DM408	INOUIU	erar Oscilla	uons		(M40) Tec	hnical Mechanics, Doctoral Academic Studies	
8.	FDS143	Select	ed Chapter	s in Technical Mechanics		(F00) Gra Studies	phic Engineering and Design, Doctoral Academic	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.	1.L. Cvet	icanin. [Dynamics of	f Machines with Variable N	Mass, Gordon a	and Breach	Science Publishers, London, p.236, 1998.	
			-				of Mechanics - A/Solids, Volume 26, Issue 2,	
2.			, Pages 27			an ooundi		

5	TAS STUD		UNIVERSITY OF NO	VI SAD		WHKNX He		
AN A	A BUILDER	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
230000		Study Programme Accreditation						
·01	LANTEN	UNDERGRADUATE ACADEMIC	UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering					
Rep	presentative r	efferences (minimum 5, not more th	an 10)					
3.	L. Cveticar 1221-1230	in, Homotopy-perturbation method	for pure non-linear diff	erential equation,	Chaos, Solitons and Fract	als, Vol.30, 2006		
4.		in, Free vibration of a Jeffcott rotor I.40, 2005, 1330-1344.	with pure cubic non-lir	ear elastic prope	rty of the shaft, Mechanism	and Machine		
5.		in, Approximate solution of a strong 05, pp.503-512.	ly non-linear complex	differential equat	ion, Journal of Sound and V	Vibration, Vol.28		
6.	L. Cveticar	in, Vibrations of the non-linear oscil	lator with quadratic no	n-linearity, Physic	ca A, Vol.341, 2004, pp.123	3-135.		
7.		, L. Cveticanin, R. Maretic, Dynamic ne Theory, Vol.58, 2012, 1-12.	cs of the cutting mecha	anism with flexible	e support and non-ideal for	cing, Mechanism		
8.		in, M. KalamiYazdi, H. Askari, Z. Sa , Mechanics Research Communicat		a two-mass syster	m with non-integer order no	onlinear		
9.	L.Cvetican	in, Oscillator with fraction order rest	oring force, Journal of	Sound and Vibra	tion, Vol.320, 2009, 1064-1	077.		
10.	L. Cveticar	in, Pure odd-order oscillators with c	constant excitation, Jou	urnal of Sound an	d Vibration, Vol.330, 2011,	976-986.		
Sur	mmary data fo	or teacher's scientific or art and profe	essional activity:					
Quot	tation total :		706					
Tota	l of SCI(SSCI) list papers :	134			-		
Curre	ent projects :		Domestic :	2	International :	0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	Name and last name:				Dobromirov P. Dušan			
	emic title:	ame.			Assistant Pro			
		itution	where the to	eacher works full time and	E 11 (T		nces - Novi Sad	
	ng date:				01.10.2006			
	tific or art f	ield:				/stems, Ora	anization and Management	
	emic cariee		Year	Institution		<u>, , , , , , , , , , , , , , , , , , , </u>	Field	
Acad	emic title el	ection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	Production Systems, Organization and Management	
PhD	thesis		2010				Production Systems, Organization and Management	
PhD f	thesis		2010	Faculty of Technical Sci	ences - Novi Sa	ad	Production Systems, Organization and Management	
Magi	ster thesis		2006	Faculty of Technical Sci	ences - Novi Sa	ad	Production Systems, Organization and Management	
Bach	elor's thesis	S	2001	Faculty of Technical Sci	ences - Novi Sa	ad	Management and Business	
List o	f courses b	eing he	ld by the te	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	IM1406	Investr	ments Risk	Management		(I20) Engir Studies	eering Management, Undergraduate Academic	
2.	IM1413	Corpo	rate restruc	turing		Studies	neering Management, Undergraduate Academic	
3.	M3499	Energy markets				(M30) Energy and Process Engineering, Undergraduate Academic Studies		
4.	1904/S	The Th	neory and F	Practice of Corporate Final	nce	Studies	neering Management, Specialised Professional	
		-	,			(IB0) Engineering Management - MBA, Specialised Professional Studies		
5.	IM005	Interna	ational finar	ncial transactions		 (I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies 		
6.	IM006	Money	, and bankir	ng practical aspects		Studies	neering Management, Specialised Professional	
						Profession		
7.	IMDR0S	Selecter and co	•	s in enterprise's design, or	ganization		strial Engineering, Specialised Academic Studies neering Management, Specialised Academic	
8.	IMDS47	Behav	ioral Corpo	rate Finance		(I22) Engi Studies	neering Management, Specialised Academic	
0	IMDS87	Finance	ial ongines	ring of public sector		(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
9.	IIVID907		iai enginee	ring of public sector		(I22) Engi Studies	neering Management, Specialised Academic	
10	870000	Solart	od Chantar	a in Applied Management		(I20) Engi Studies	neering Management, Specialised Professional	
10.	SZP003	Select		s in Applied Management		(IB0) Engi Profession	neering Management - MBA, Specialised al Studies	
11.	IM2407	International business and finance				(I20) Engir	neering Management, Master Academic Studies	
12.	IM2420	Algoritmic trading			(I20) Engir	neering Management, Master Academic Studies		
13.	IM2423	Energy markets			(M50) Ene	ergy Management, Master Academic Studies		
14.	IMDR0	Science of Industrial Engineering and Mana			agement	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
15.	IMDR47	Behav	ioral Corpo	rate Finance		(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
16.	IMDR87	Financ	ial enginee	ring of public sector			strial Engineering / Engineering Management, cademic Studies	

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKHX H.		
AVA A	NOR REAL	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	TEJA OBRADOVIĆA 6	STATE -		
NO.NE		Study F	Study Programme Accreditation					
3	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	HO		
Re	presentative r	efferences (minimum 5, not more th	ian 10)					
1.	Dušan Dob	romirov "Strategija uvođenja i razvo	oja tržišta valutnih fina	nsijskih derivata"				
2.		Radišić M., Dobromirov D.: Emergii cs, 2012, ISSN 1993-6788	ng markets - Galapago	os for behavioral f	inancial research (in print),	Actual Problems		
3.		obromirov D., Radišić M.: Researc rnal of Business Management, 201				nt profitability,		
4.		Šećerov E., Dobromirov D., Šenk V and electrical engineering, 2011, V				eduling Policy ,		
5.		Marić B., Dobromirov D.: SMEs ar Serbia, African Journal of Business						
6.		y D., Radišić M., Kupusinac A.: Em Management, 2011, Vol. 5, No 3, J			Risk versus growth potentia	I, African Journal		
7.		Šenk V., Dobromirov D., Bojović P.: Inications Professionals, 2011, Vol.			, Journal of the Institute	of		
8.		Dobromirov D., Radišić M., Milinkov a "Zapošljavanje kroz prizmu predu						
9.	Bašić B., Marić B., Dobromirov D., Radišić M.: MASS CUSTOMIZATION APPROACH IN PUBLIC SECTOR - AN EXAMPLE							
10.	Ferenčak M., Stanišić I., Radišić M., Dobromirov D.: Level of frictional unemployment in the Republic of Serbia, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Departman za industrijsko inženjerstvo i menadžment, Novi Sad, 14-16 Septembar, 2011, pp. 537-541, ISBN 978-86-7892-341-8							
	,	r teacher's scientific or art and prof	1					
	tation total :		1					
Total of SCI(SSCI) list papers : 6								
Current projects : Domestic : 1 International :						0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Facterine title: Full Professor Name of the institution where the teacher works full time and facturing date: Faculty of Technical Sciences - Novi Sad Academic cardier Year Mathematics Academic cardier Year Mathematics Academic cardier Year Mathematics Academic cardier Year Institution Ph0 thesis 1989 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1976 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1976 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programmes Ital Courses theing held by the teacher in the accredited study programme name, study type 1. E213 Discrete Mathematics and Linear Algebra (E20) Computing and Control Engineering. Undergraduate Academic Studies 2. E101 Discrete Mathematics (E30) Prover Software Engineering and Information Techno Loznica, Undergraduate Academic Studies 3. E101A Discrete Mathematics (E30) Prover Software Engineering and Information Techno Loznica, Undergraduate Academic Studies 4.	Name and last name: Doro					Doroslovački	Doroslovački D. Rade			
Name of the institution where the teacher works full time and data fundate: Faculty of Technical Sciences - Novi Sad Ot.10.1978 Scientific or art field: Mathematics Academic carieer Year Institution Field Academic title election: 2000 Faculty of Sciences - Novi Sad Mathematics Andemic title election: 2000 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelors thesis 1976 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelors thesis 1976 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programme name, study type (E20) Computing and Control Engineering. Undergraduate Academic Studies 1. E213 Discrete Mathematics and Linear Algebra (E20) Computing and Control Engineering. Undergraduate Academic Studies 2. E101 Discrete Mathematics (E10) Power Stotware Engineering and Information Techno Undergraduate Academic Studies 3. E101A Discrete Mathematics (E10) Power Stotware Engineering and Information Techno Laznica. Undergraduate Academic Studies 4. IM1763 Actuerial Mathematics (E10) Power Stotware Engineerin			ante.							
stating date: 01.10.1978 Scientific or art field: Mathematics Academic career Year Institution Field Academic stress 1989 PhD hesis 1984 Bachelor's thesis 1984 Bachelor's thesis 1984 ID Courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type ID Course name Study Discrete Mathematics and Linear Algebra ID Discrete Mathematics IE Study Control and Telecommunication Cehon Undergraduate Academic Studies <td></td> <td></td> <td>titution v</td> <td>where the te</td> <td>acher works full time and</td> <td colspan="3"></td>			titution v	where the te	acher works full time and					
Scientific or art field: Mathematics Academic title election: 200 Faculty of Technical Sciences - Novi Sad Mathematics PhD thesis 1989 Faculty of Sciences - Novi Sad Mathematics Mathematics PhD thesis 1989 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1976 Faculty of Sciences - Novi Sad Mathematics ID Courses being held by the teacher in the accredited study programmes Mathematics Study programme name, study type ID Course name Study programme name, study type (E20) Computing and Control Engineering. Undergraduate Academic Studies 1. E213 Discrete Mathematics and Linear Algebra (E30) Power Software Engineering and Information Techno Locrico. Undergraduate Academic Studies 2. E101 Discrete Mathematics (E10) Power Electronic and Telecommunication Locrico. Undergraduate Academic Studies 3. E101A Discrete Mathematics (E10) Power. Electronic and Telecommunication Engineering. Undergraduate Academic Studies 5. IM1706 Actuerial Mathematics (E20) Software Engineering and Information Techno Undergraduate Academic Studies 6. SE0009 <td>-</td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td>	-									
Academic carieer Year Institution Field Academic title election 2000 Faculty of Sciences - Novi Sad Mathematical Sciences PhD thesis 1989 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1976 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1976 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programmes Study programme name, study type ID Course name Study programme name, study type 1. E213 Discrete Mathematics and Linear Algebra Study programme name, study type 2. E101 Discrete Mathematics (E30) Power Software Engineering and Information Techno Undergraduate Academic Studies 3. E101A Discrete Mathematics (E30) Power Software Engineering, Undergraduate Academic Studies 4. IM1523 Discrete Mathematics (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 5. IM1708 Actuerial Mathematics (E20) Folymeering Management, Undergraduate Academic Studies 6. SE0		•	ield:							
PhD thesis 1989 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1976 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1976 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programmes Study programme name, study type List of courses being held by the teacher in the accredited study programmes (E20) Computing and Control Engineering, Undergraduate Academic Studies 1. E213 Discrete Mathematics and Linear Algebra (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E101 Discrete Mathematics (E50) Power Software Engineering and Information Techno Undergraduate Academic Studies 3. E101A Discrete Mathematics (E50) Power Software Engineering, Undergraduate Academic Studies 4. IM1523 Discrete Mathematics (E20) Engineering Management, Undergraduate Academic Studies 5. IM1706 Actuerial Mathematics (I20) Engineering Management, Undergraduate Academic Studies 6. SE0009 Discrete Mathematics (I20) Engineering Management, Undergraduate Academic Studies 7. OM503 Com	Acad	lemic carie	er	Year	Institution			Field		
Magister thesis 1984 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programmes Mathematical Sciences List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type I E213 Discrete Mathematics and Linear Algebra (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E101 Discrete Mathematics (E50) Software Engineering and Information Techno Ucorrica, Undergraduate Academic Studies 3. E101A Discrete Mathematics (E30) Power Software Engineering, Undergraduate Academic Studies 4. IM1523 Discrete Mathematics (E10) Power, Electornic and Telecommunication Engineering, Undergraduate Academic Studies 5. IM1706 Actuerial Mathematics (I20) Forgineering Management, Undergraduate Academic Studies 6. SE0009 Discrete Mathematics (SE0) Software Engineering, and Information Techno Undergraduate Academic Studies 7. OM503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering Management, Undergraduate Academic Studies 8. 0M509 Applied Abstract Algebra (OM1) Mathematics in Engin	Acad	lemic title e	lection:	2000	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics		
Bachelor's thesis 1976 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programmes Study programme name, study type ID Course name Study programme name, study type 1. E213 Discrete Mathematics and Linear Algebra (E20) Computing and Control Engineering, Undergraduate Academic Studies 2. E101 Discrete Mathematics (ES0) Software Engineering and Information Techno Loznica, Undergraduate Academic Studies 3. E101A Discrete Mathematics (ES0) Power Software Engineering, Undergraduate Academic Studies 4. IM1523 Discrete Mathematics (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 5. IM1706 Actuerial Mathematics (20) Engineering Management, Undergraduate Academic Studies 6. SE0009 Discrete Mathematics (20) Engineering Management, Undergraduate Academic Studies 7. OM503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 8. 0M509 Applied Abstract Algebra (OM1) Mathematics in Engineering, Master Academic Studies 10. OML503 Combinator	PhD	thesis		1989	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1. E213 Discrete Mathematics and Linear Algebra (MR0) Measurement and Control Engineering, Undergraduate Academic Studies 2. E101 Discrete Mathematics (SE0) Software Engineering, Undergraduate Academic Studies 3. E101A Discrete Mathematics (ES0) Power Software Engineering, Undergraduate Academic Studies 4. IM1523 Discrete Mathematics (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 5. IM1706 Actuerial Mathematics (I20) Engineering Management, Undergraduate Academic Studies 6. SE0009 Discrete Mathematics (I20) Engineering Management, Undergraduate Academic Studies 7. OM503 Combinatorics and Graph Theory (SE1) Software Engineering and Information Techno Undergraduate Academic Studies 8. 0M509 Applied Abstract Algebra (SE0) Software Engineering and Information Techno Undergraduate Academic Studies 9. OM511 Geometry (SU1) Mathematics in Engineering, Master Academic Studies 10. OM503 Combinatorics and Graph Theory	Magi	ster thesis		1984	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
ID Course name Study programme name, study type 1. E213 Discrete Mathematics and Linear Algebra (E20) Computing and Control Engineering, Undergraduate Academic Studies 1. E213 Discrete Mathematics and Linear Algebra (MR0) Measurement and Control Engineering, Undergraduate Academic Studies 2. E101 Discrete Mathematics (ES0) Power Engineering, Undergraduate Academic Studies 3. E101A Discrete Mathematics (ES0) Power Software Engineering, Undergraduate Academic Studies 4. IM1523 Discrete Mathematics (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 5. IM1706 Actuerial Mathematics (M30) Energy and Process Engineering. Undergraduate Academic Studies 6. SE0009 Discrete Mathematics (SE0) Software Engineering and Information Techno Undergraduate Academic Studies 7. 0M503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 8. 0M509 Applied Abstract Algebra (OM1) Mathematics in Engineering, Master Academic Studies 9. 0M511 Geometry (OM1) Mathematics in Engineering, Master Academic Studies 11.	Bach	elor's thesi	s	1976	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
L L <thl< th=""> <thl< th=""> <thl< th=""> <thl< th=""></thl<></thl<></thl<></thl<>	List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
Academic Studies 1. E213 Discrete Mathematics and Linear Algebra (MR0) Measurement and Control Engineering, Undergraduate Academic Studies 2. E101 Discrete Mathematics (ES0) Software Engineering and Information Techno Undergraduate Academic Studies 3. E101A Discrete Mathematics (E10) Power Software Engineering, Undergraduate Academic Studies 4. IM1523 Discrete Mathematics (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 5. IM1706 Actuerial Mathematics (I20) Engineering Management, Undergraduate Academic Studies 6. SE0009 Discrete Mathematics (SE0) Software Engineering and Information Techno Undergraduate Academic Studies 7. OM503 Combinatorics and Graph Theory 8. OM509 Applied Abstract Algebra 9. OM511 Geometry 11. OML503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 12. OM503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 10. <td></td> <td>ID</td> <td>Course</td> <td>e name</td> <td></td> <td></td> <td>Study pro</td> <td>gramme name, study type</td>		ID	Course	e name			Study pro	gramme name, study type		
1. E213 Discrete Mathematics and Linear Algebra Undergraduate Academic Studies 1. E213 Discrete Mathematics and Linear Algebra (SE0) Software Engineering and Information Techno Undergraduate Academic Studies 2. E101 Discrete Mathematics (ES0) Power Software Engineering, Undergraduate Academic Studies 3. E101A Discrete Mathematics (E10) Power, Electronic and Telecommunication Engineering. Undergraduate Academic Studies 4. IM1523 Discrete Mathematics (I10) Power, Electronic and Telecommunication Engineering. Undergraduate Academic Studies 5. IM1706 Actuerial Mathematics (I20) Engineering Management, Undergraduate Academic Studies 6. SE0009 Discrete Mathematics (I20) Engineering Management, Undergraduate Academic Studies 7. OM503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 8. 0M509 Applied Abstract Algebra (OM1) Mathematics in Engineering, Master Academic Studies 10. OML503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 11. OML503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 12. OML511 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Academic</td> <td>Studies</td>							Academic	Studies		
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Loznica, Undergraduate Academic Studies 2. E101 Discrete Mathematics (ES0) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 3. E101A Discrete Mathematics (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 4. IM1523 Discrete Mathematics (M30) Energy and Process Engineering, Undergraduate Academic Studies 5. IM1706 Actuerial Mathematics (I20) Engineering Management, Undergraduate Academic Studies 6. SE0009 Discrete Mathematics (I20) Software Engineering and Information Techno Undergraduate Academic Studies 7. OM503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academi Studies 9. OM511 Geometry (OM1) Mathematics in Engineering, Master Academi Studies 10. OML503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academi Studies 11. OML503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academi Studies 12. OML503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academi Studies 13. DZ01MS Selected Chapters in Mathematics (I21) Prover, Electronic and Telecommunication En					ŭ		Undergrad	uate Academic Studies		
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6. SE0009 Discrete Mathematics Undergraduate Academic Studies 7. 0M503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 8. 0M509 Applied Abstract Algebra (OM1) Mathematics in Engineering, Master Academic Studies 9. 0M511 Geometry (OM1) Mathematics in Engineering, Master Academic Studies 10. 0ML503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 11. 0ML503 Combinatorics and Graph Theory (OM1) Mathematics in Engineering, Master Academic Studies 12. 0ML504 Applaid Abstract Algebra (OM1) Mathematics in Engineering, Master Academic Studies 12. 0ML511 Geometry (OM1) Mathematics in Engineering, Master Academic Studies 13. DZ01MS Selected Chapters in Mathematics (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies 13. DZ01MS Selected Chapters in Mathematics (I22) Engineering Management, Specialised Academic Studies 14. OM519 Actuarial Mathematics (OM1) Mathematics in Engineering, Master Academic Studies	5.	IM1706	Actuer	ial Mathem	atics			(120) Engineering Management, Undergraduate Academic Studies		
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13. DZ01MS Selected Chapters in Mathematics (122) Engineering Management, Specialised Academ Studies 14. OM519 Actuerial Mathematics (OM1) Mathematics in Engineering, Master Academic										
14 OM519 Actuerial Mathematics							(112) Indus	strial Engineering, Specialised Academic Studies		
14 OM519 Actuerial Mathematics (OM1) Mathematics in Engineering, Master Academi	13.	DZ01MS	01MS Selected Chapters in Mathematics					neering Management, Specialised Academic		
							(Z00) Environmental Engineering, Specialised Academic Studies			
	14.	OM519	Actuerial Mathematics				(OM1) Mathematics in Engineering, Master Academic Studies			
15. OML519 Actuerial Mathematics (OM1) Mathematics in Engineering, Master Academi Studies	15.	OML519	Actuer	ial Mathem	atics			thematics in Engineering, Master Academic		

ASS STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

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Julises Dell	ווע וופוע טע נוופ		accieulieu siuu	

List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	me name, study type			
16.	D0M08	Applied Abstract Algebra		(OM1) Mathema Studies	atics in Engineering, Doctor	al Academic		
17.	D0M17	Combinatorics		(OM1) Mathematics in Engineering, Doctoral Academic Studies				
18.	D0M20	Graph Theory		(OM1) Mathema Studies	atics in Engineering, Doctor	al Academic		
19.	D0M34	Actuarial Mathematics		(OM1) Mathema Studies	atics in Engineering, Doctor	al Academic		
20.	DOM31	Combinatorial Matrix Theory		(OM1) Mathema Studies	atics in Engineering, Doctor	al Academic		
21.	DZ01M	Selected Chapters in Mathematics		 (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (G10) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (120) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies 				
Rep	presentative	e refferences (minimum 5, not more th	an 10)					
1.		lovački, R. Tošić and I. Stojmenović: (•	<u> </u>				
2.		lovački , R . Tošić i J. Gutman: Topol atical chemistry (19) (219-228) Max- P				le, Match in		
3.	Rade Do	roslovački: Binary Sequences without	0110, Matematički v	vesnik, Mathemati	cal Society of Serbia, 46 (1	994), 93-98.		
4.	Rade Do	roslovački: On binary n-words with for	bidden 4-subwords, (1	997/01) Novi Sac	Juornal of Mathematics.			
5.	R. Doros	lovački, J. Pantović, G.Vojvodić: Note	on Itersection of Maxi	mal Clones, (1998	3/02) Novi Sad, Journal of I	Mathematics.		
6.		lovački, J. Pantović, G. Vojvodić: Clas plement, Matematički vesnik,, Mather				ain Minimum		
7.		roslovački, Jovanka Pantović and Gra atical Journal, 55 (130),2005, 719-72		terval in the Lattic	ce of Partial Hyperclones, C	zechoslovaka		
8.		ža-Pantić, R. Doroslovački, K. Doroslo N OF A REGION INTO TWO," in Rock				GTHE		
9.		ža-Pantić, R. Doroslovački, The Gutm o.2, Februar 2004, R 51.	an formulas for algebr	raic structure cour	nt, Journal of Mathematical	Chemistrz		
10.	10. Ratko Tošić, Gradimir Vojvodić, Dragan Mašulović, Rade Doroslovački, Jovanka Rosić: Two examples of relative completeness, Multiple Valued Logic, An International Journal (Journal of Multiple-Valued Logic and Soft Computing), (1996), Vol. 2, pp. 67-78.							
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
	ation total :		60					
		CI) list papers :	5			1.		
Curre	ent projects	-	Domestic :	0	International :	0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	Name and last name: Dragutinović D. Gordan							
	emic title:	ane.			Associate Professor			
		itution	where the to	acher works full time and	Faculty of Technical Sciences - Novi Sad			
-	ng date:				06.04.1980			
	ntific or art f	ield:			Termodynamics and Heat Transfer			
Acad	emic cariee	er	Year	Institution	Field			
Acad	emic title el	ection:	2010	Faculty of Technical Sci	ences - Novi S	ad	Termodynamics and Heat Transfer	
PhD	thesis		1987	Faculty of Technical Sci	ences - Novi S	ad	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	ences - Novi S	ad	Thermal Energetics and Thermotechnics	
List c	of courses b	eing he	Id by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme 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, uate Academic Studies	
		Fundamentals in Thermodynamics				(M30) Energy and Process Engineering, Undergraduate Academic Studies		
2.	M203L						chnical Mechanics and Technical Design, uate Academic Studies	
							asurement and Control Engineering, uate Academic Studies	
						(P00) Prod Studies	duction Engineering, Undergraduate Academic	
	14040	T L				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
3.	M210	menn	odynamics				chnical Mechanics and Technical Design, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M215	Fundamentals of Heat Transfer					hnical Mechanics and Technical Design, uate Academic Studies	
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
5.	M3303	Funda	mentals of	Process Engineering		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
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 b	ouilding physics and therm	nodynamics	(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	
8.	BMIM4A	Transp	port phenon	nena and Living systems		(BM0) Bio	medical Engineering, Master Academic Studies	
9.	M3508	Mass	Transfer			(M30) Ene Studies	ergy and Process Engineering, Master Academic	
9.	1010000	111455				(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies	
10.	D. DM307 Selected Chapters in Mass Transfer (M00) Mechanical Engineering, Doctoral Academic Studie				chanical Engineering, Doctoral Academic Studies			
11. DM313 Process Kinetics (M00) Mechanical Engineering, Doctoral Academic Studies								
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.				S.S. "Operation of Counter ublications, Southampton		tors", Book '	Vol. 4 in Series "Developments in Heat Transfer",	
2.	Baclic, B.	S. and	Dragutinovi	c, G.D., "Asymmetric-unb	alanced Counte		nal Regenerator Problem: Solution by the nsfer, Vol.34, No. 2, 1991, pp. 483-498.	
	Galerkin Method and meaning of dimensional Parameters, Int. J. Heat Mass Transfer, Vol.34, No. 2, 1991, pp. 483-498.							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Rep	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.	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 Am	zelius-Schumann J functior	", Thermal		
6.	Dragutinović, D.G., Dimić, M., Sinteza optimalr	nih mreša toplotnih raz	zmenjivača, Term	otehnika, 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 proizvo	odnje električne i	toplotne energije iz biomase	e u AP Vojvodini,		
9.	Nedeljkov, M., Dragutinović, G., Mathematical avgust 1987	Simulation od Deep-B	ed Drying of Grai	ins - A numerical simulation	, CHISA, Prag,		
10.	Nedeljkov, M., Dragutinović, G., Mogućnosti i uslovi racionalizacije procesa konvektivnosg sušenja zrnastih poljoprivrednih proizvoda, 7. simpozijum termičara, Ohrid, maj 1984.						
Sur	mmary data for teacher's scientific or art and profe	essional activity:					
Quot	Quotation total : 11						
Tota	l of SCI(SSCI) list papers :	2					
Curre	ent projects :	Domestic :	2	International :	0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Acad Name		ame.			Dakovic D. Da				
Name		Academic title:				Đaković D. Damir Assistant Professor			
-	Name of the institution where the teacher works full time and								
	ng date:			aoner works iun unne dhu	01.12.2001				
Scientific or art field:					Process Technics				
Academic carieer Year Institution					Field				
Acad	emic title el	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Process Technics		
PhD	thesis		2011	Faculty of Technical Sci	ences - Novi Sa	ad	Process Technics		
Magi	ster thesis		2007	Faculty of Technical Sci	ences - Novi Sa	ad	Process Technics		
Bach	elor's thesis	S	2001	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanical Engineering		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
						(M50) Ene	ergy Management, Master Academic Studies		
1.	1079	Moder	n Energy Te	echnologies		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
2.	M3303	Funda	mentals of I	Process Engineering		(M30) Ene Academic	rgy and Process Engineering, Undergraduate Studies		
3.	M3406	Heat A	pparatus			(M30) Ene Academic	rgy and Process Engineering, Undergraduate Studies		
4.	M3409A	Moder	n Energy Te	echnologies		(M30) Ene Academic	rgy and Process Engineering, Undergraduate Studies		
5.	M3507	Combustion Technology				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
6.	Z412A	Process apparatus for protecting the enviro			nment	(Z20) Environmental Engineering, Undergraduate Academic Studies			
7.	Z412	Procesni aparati za zaštitu okoline(uneti na engleskom)			ziv na	(Z20) Environmental Engineering, Undergraduate Academic Studies			
8.	M211	Measu	irement and	I Regulation		 (M30) Energy and Process Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies 			
9.	M3031		ering Calcu atus and Eq	ulations of Energy Techno	logies	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
10.	M3517			nergy and process engine	ering	Studies	an Energy Technologies, Undergraduate		
						Academic			
11.	ZRI41A	Securi	ty and Safe	ty at Work in Process Pla	nts	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
12.	1079	Moder	n Energy Te	echnologies		` '	ergy Management, Master Academic Studies an Energy Technologies, Undergraduate Studies		
13.	1915	Energy	/ Transform	ations		(M30) Ene Studies	ergy and Process Engineering, Master Academic		
14.	1916	Energy	/ Managem	ent in Industry		(M50) Ene	ergy Management, Master Academic Studies		
15.	GS002	Energy Syster		of Heating and Air Condit	ioning	(G10) Ene Studies	rgy Efficiency in Buildings, Specialised Academic		
16.	1070	Energy efficiency				(M50) Ene	ergy Management, Master Academic Studies		
17.	1915	Energy Transformations			(M50) Ene	ergy Management, Master Academic Studies			
18.	M3503			ranje termoenergetskih naziv na engleskom)		(M30) Ene Studies	ergy and Process Engineering, Master Academic		
19.	M3506	Drying	Technique			(M30) Energy and Process Engineering, Master Academic Studies			
20.	M3508	Mass Transfer				 (M30) Energy and Process Engineering, Master Academic Studies (M40) Technical Mechanics and Technical Design, Master Academic Studies 			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

		credited study	

List	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	me name, study type				
21.	M3515	Energy Systems		(M30) Energy and Process Engineering, Master Academic Studies					
				(M50) Energy N	lanagement, Master Acaden	nic Studies			
22.	M3517	Construction in energy and process	engineering	(M30) Energy a Studies	nd Process Engineering, Ma	aster Academic			
22.	10017	Construction in chergy and process	engineering	(ZC0) Clean En Academic Studie	ergy Technologies, Undergr es	aduate			
23.	DM307	Selected Chapters in Mass Transfer		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies			
24.	DM313	Process Kinetics		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies			
Re	presentative	refferences (minimum 5, not more th	an 10)						
1.		D.: Comments on 'Water sorption iso ence and Technology, 2012, Vol. 47,			f pearl millet grain', Internati	ional Journal of			
2.	Spasojevic, M. D., Jankovic M.R., Djakovic D.D.: A New Approach to Entropy Production Minimization in Diabatic Distillation Column with Trays, Thermal Science, 2010, Vol. 14, No. 2, pp. 317-328, ISSN: 0354-9836.								
3.	Djuric, S. N., Stanojevic, P. C., Djakovic, D. D., Jovovic, A. M.: The Study on the Effect of Fractional Composition and Ash Particle Diameter on the Ash Collection Efficiency at the Electrostatic Precipitator, Chemical Industry & Chemical Engineering Quarterly, 2010, Vol. 16, No. 3, pp. 229-236, ISSN: 1451-9372.								
4.	Anđelković A., Cvjetković T., Đaković D., Stojanović I.: Development of Simple Calculation Model for Energy Performance of Double Skin Façades, Thermal Science, 2012, Vol. 16, No Suppl 1, pp. 251-267, ISSN 0354-9836.								
5.		A., Bjelaković R., Anđelković A., Đako ource, Thermal Science, 2012, Vol. 1				s a Renewable			
6.	Conferen	D, Vujić G, Bašić Đ, Dimić M. "Severa ce on Engineering and Environment - ing, 10-11 May, 2007, pp. 614- 617	I models of grain dryin ICEE-2007, Phuket, 1	g theory – princip Thailand: Prince o	les and obstacles", PSU-UN f Songkla University, Faculty	IS International y of			
7.		D, Dimić M. "Poređenje nekih jednačir a, ISBN 86-80587-70-2, s. 62, CD ISI 07.							
8.		D, Spasojević M, Štrbac D, Dimić M. " 3-235, 2008	Primena eksergijske a	nalize na proces	sušenja kukuruza u tankom	sloju", PTEP,			
9.	Đaković 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.	D. Đaković D, Dimić M. "Pregled pristupa modelovanju fenomena prenosa u sušarama sa kombinovanim tokovima", PTEP , 13(3), 283-287, 2009								
Su	mmary data	for teacher's scientific or art and profe	essional activity:						
Quo	tation total :		0						
	Total of SCI(SSCI) list papers : 5								
Curr	Current projects : Domestic : 2 International : 1								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name:					Đurić M. Nikola			
Acad	Academic title:				Assistant Professor			
Nam	e of the inst	titution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.10.1997			
Scier	ntific or art f	ield:			Theoretical Electrotechnics			
Acad	Academic carieer Year Institution						Field	
Academic title election: 2010 Faculty of Technical Sci				Faculty of Technical Sci	ences - Novi Sa	ad	Theoretical Electrotechnics	
PhD	thesis		2009	Faculty of Technical Sci	ences - Novi Sa	ad	Electrical and Computer Engineering	
Magi	ster thesis		2003	Faculty of Technical Sci	ences - Novi Sa	ad	Electrical and Computer Engineering	
Bach	elor's thesis	S	1997	Faculty of Technical Sci	ences - Novi Sa	ad	Electrical and Computer Engineering	
List c	of courses b	eing he	d by the te	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E216	Funda	mentals of	Electrical Engineering		Academic	ver Software Engineering, Undergraduate	
2.	EE300	Electro	magnetics				er, Electronic and Telecommunication g, Undergraduate Academic Studies	
3.	H104	Funda	mentals of	Electrical Engineering 1		(H00) Med	chatronics, Undergraduate Academic Studies	
4.	H108	Funda	mentals of	Electrical Engineering 2		(H00) Med	chatronics, Undergraduate Academic Studies	
						Undergrad	chanization and Construction Engineering, uate Academic Studies	
	M112					Academic		
5.		Electri	cal Enginee	ring and Electric Machine	S		chnical Mechanics and Technical Design, uate Academic Studies	
-			5	3		Studies	duction Engineering, Undergraduate Academic	
						Academic		
						Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
6.	E105	Fundamentals of Electrical Engineering 1				Èngineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
							asurement and Control Engineering, uate Academic Studies	
7.	E110	0 Fundamentals of Electrical Engineering 2				Èngineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						Undergrad	asurement and Control Engineering, uate Academic Studies	
8.	BMI94	Funda	mentals of	Electrical Engineering		Studies	medical Engineering, Undergraduate Academic	
9.	DE416S	Investi	gation of el	ectromagnetic fields		Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
10.	DE517S	Techn	ology of ma	gnetic and optical data sto	orage	Èngineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
11.	EE543	Electro	Magnetic	Energy		Engineerin	er, Electronic and Telecommunication g, Master Academic Studies	
12.	E1IEP	Inverti	nation of o	ectromagnetic fields		(MR0) Me Academic	asurement and Control Engineering, Master Studies	
12.		mvesti	gation of el	conomagneno nelas		(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
13.	H799	Fieldbu	uses and p	rotocols		(H00) Med	chatronics, Master Academic Studies	
14.	H845	Motion	control			(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies		
15.	DE416	Investigation of electromagnetic fields				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies		

HASTAS STUDIO			UNIVERSITY OF NOVI SAD						
		FACULTY OF TECHNICAL SC	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
23		Study F	Study Programme Accreditation						
°Op	LANTENS	UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	AO8			
List c	of courses b	eing held by the teacher in the accre	dited study programme	es		•			
	ID	Course name		Study program	me name, study type				
16.	DE517	Technology of magnetic and optical	data storage		ectronic and Telecommu ctoral Academic Studies	nication			
Rep	oresentative	e refferences (minimum 5, not more th	nan 10)						
1.		Despotović M. : Application of MTR s Proceedings in Engineering Science				ms, Sadhana -			
2.		Nađ L., Damnjanović M., Đurić N., Ži nal, 2011, Vol. 28, No 1, pp. 41-49, I		blication of planar-	type meander sensors, N	licroelectronics			
3.		Kavecan N.: Internet Portal of the SE aces in Future Internet - AFIN, Rim, 1							
4.		Kavečan N., Kljajić D.: The EM Field um on Intelligent systems and Informa							
5.		Šenk V.: The MAP Implementation i um - EMS, Malta, 14-16 Novembar, 2				opean Modeling			
6.		Prša M., Kasaš-Lažetić K.: Information ing Sciences - IJES, 2011, Vol. 1, No.			etic Fields Monitoring, Int	ernational Journal			
7.		ović B., Đurić N.: Monitoring of EMF v agnetics and bioeffects of electromag							
8.	Bajović V., Đurić N., Herceg D.: Serbian Laws and Regulations as Foundation for Electromagnetic Field Monitoring Information Network, 10. International Conference on Applied Electromagnetics, Niš, 25-29 Septembar, 2011, ISBN ISBN: 978-86-6125-04								
9.	Đurić N., Prša M., Kasaš-Lažetić K., Bajović V.: Serbian Remote Monitoring System for Electromagnetic Environmental Pollution, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 701-704, ISBN 978-1-4577-2016-1								
10.	Đurić N., Šenk V., Vasić B.: MAP Decoding of MTR Codes in Multiple-Head Magnetic Recording Systems, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 164-167, ISBN 978-1-4577-2018-5								
Sun		for teacher's scientific or art and prof	essional activity:						
Quot	ation total :		0						
	``	CI) list papers :	2	1.					
Curre	ent projects	:	Domestic :	3	International :	2			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name: Durk N. Stavko Academic Wite: Assistant Professor Name of the institution where the teacher works full time and Faculty of Technical Sciences - Novi Sad 0.01.2007 Scientific or art field: Environment Protection Engineering Academic Wite election: 2012 Faculty of Technical Sciences - Novi Sad Academic Wite election: 2012 Faculty of Machanical Engineering - Beograd Machanical Engineering PhD thesis 2003 Faculty of Machanical Engineering - Beograd Machanical Engineering Bachelor's thesis 1980 Faculty of Mathematics - Beograd Machanical Engineering, Undergraduate 1 M3303 Fundamentals of Process Engineering Academic Studies 100 2. M3406 Heat Apparatus [M30) Energy and Process Engineering, Undergraduate Academic Studies 3. Z304 Propagation of Disturbances [Z20) Environmental Engineering, Undergraduate Academic Studies 5. Z306 Process Engineering [Z20) Environmental Engineering, Undergraduate Academic Studies 6. Z308A Process Engineering [Z20) Environmental Engineering, Undergraduate Academic Studies <td< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th><th></th></td<>					-				
Name of the institution where the leacher works full time and faring date: Faculty of Technical Sciences - Novi Sad Scientific or at field: Environment Protection Engineering Environment Protection Engineering Academic title election: 2012 Environment Protection Engineering Magiser Tresis 1998 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Magiser Tresis 1998 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thresis 1998 Faculty of Methamatics - Beograd Mechanical Engineering List of courses areme Study programme name, study type Ithe Adaptional Studies Ithe Adaptional 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. Z306 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) Clean Energy Technologies, Un									
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				F 11 (T					
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Academic carlier 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 Magister thesis 1998 Faculty of Machanical Engineering - Beograd Mechanical Engineering 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 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) Environmental Engineering, 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 aparatus for protecting		-	ield:				Protection F	Engineering	
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PhD thesis 2003 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Magiter thesis 1998 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1990 Faculty of Mechanical Engineering - Beograd Mechanical Engineering List of courses being held by the teacher in the accredited study programmes Itel Courses the photocol of the accredited study programmes 1 M300 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 4 Z304A Propagation of disturbances (Z00) Clean Energy Technologies, Undergraduate Academic Studies 5 Z306A Process Engineering (Z01) Safety at Work. 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						oncos Novi S	ad		
Magister thesis 1988 Faculty of Machanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1980 Faculty of Mathematics - Beograd Mathematics List of courses being held by the teacher in the accredited study programmes Ital of courses being held by the teacher in the accredited study programmes 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 (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 (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				-	,				
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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					,	<u> </u>	soyrau		
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			-					Mathematics	
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4 Z304 Propagation of dustificances 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 (Z20) Environmental Engineering, 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 processi aparatus for protecting the environment (Z20) Environmental Engineering, Undergraduate Academic Studies 12. Z404 Occupational Safety Systems, Means and Equipment (Z20) Environmental Engineering, Undergraduate Academic Studies 13. Z412 Processi aparatic avasitit zivotne sredine(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergraduate Academic Studies 13. Z412 Processi aparati za zašitiu okoline(uneti naziv na engleskom) (Z20) Environmental Engineering, Under	3.	Z304	Propa	gation of Di	sturbances		· · ·	ronmental Engineering, Undergraduate Academic	
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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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11.2101engleskom)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 (M40) Technical Mechanics and Technical Design, 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	
14. 2417 engleskom) 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	13.	Z412			za zaštitu okoline(uneti na	ziv na		ronmental Engineering, Undergraduate Academic	
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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	15.	ZRI41A	Securi	ty and Safe	ty at Work in Process Pla	nts	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
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20. M3511 Diffusion apparatus (M30) Energy and Process Engineering, Master Academic Studies 21. SZSP17 Savremene instrumentalne metode analize zagađujućih (Z00) Environmental Engineering, Specialised Academic	19.	M3508	3508 Mass Transfer				Studies (M40) Technical Mechanics and Technical Design, Master		
21 SZSP17 Savremene instrumentalne metode analize zagađujućih (Z00) Environmental Engineering, Specialised Academic	20.	M3511	Diffusion apparatus				(M30) Energy and Process Engineering, Master Academic		
	21.	SZSP17				zagađujućih		ironmental Engineering, Specialised Academic	

ASITAS STUDIO

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List c	ist of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study program	me name, study type		
22.	ZD060	Selected topics in air pollution		(Z00) Environmental Engineering, Doctoral Academic Studies			
				(Z01) Safety at V	Work, Doctoral Academic S	tudies	
23.	ZRD28A	Selected topics in the science of occ	cupational safety	(Z01) Safety at V	Work, Doctoral Academic S	tudies	
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.	separatio	., Omerović, M., Brankov, S., Džaferov n from mixture of gas in dry procedu No.1, pp. 115-124	vić, E., Stanojević, P, (re with the aid of calciu	2011): Experime um carbonate, The	ental examination of sulphur ermal Science, ISSN 0354-§	dioxide 9836	
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)	vikola) 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 5. 73-79				Conference on	
8.	Đurić, S., Vojinović-Miloradov, M., Krmar, M., Slivka, J., Mrđa, D., (2007): Aranđelović, I., Đaković, D., Stanojević, P., Research of radionuclides influence in soil on environment of municipality Petrovo, Republika Srpska, Bosnia & Herzegovina, XI international						
9.	Đurić, S., (2011): Redukcija emisije SO2 na energetskim postrojenjima primenom suvih aditivnih postupaka, ENERGIJA, ekonomija, ekologija , 2011, List saveza energetičara, ISSN 0354-8651, Broj 1, Godina XIII, Str. 168-170						
10.	 Đurić, S., Đaković, D., Brankov, S., Omerović, M., Džaferović, E., (2010): Matematički model proračuna ravnotežnog sastava gasifikacije komunalnog čvrstog otpada, ENERGIJA,ekonomija,ekologija 2010, List saveza energetičara, ISSN 0354-8651, Broj 4, Godina XII, Str. 67-74 						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		3				
Total	of SCI(SS	CI) list papers :	6				
Curre	ent projects	:	Domestic :	3	International :	1	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name: Gak M. D						ina		
	emic title:	anio.			Gak M. Dragana Lecturer			
		titution w	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:			16.09.2009					
Scien	ntific or art f	ield:			English			
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	lection:	2008	Faculty of Entrepreneuri Sad	al Managemen	t - Novi	English	
Magis	ster thesis		2010	Faculty of Philosophy - I			English and American Literature	
	elor's thesis		2000	Faculty of Philosophy - I			English	
List o	f courses b	eing hel	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	AEJ1L	English	h Language	e - Elementary		(A00) Arch	nitecture, Undergraduate Academic Studies	
2.	AEJ2L	English	h Language	e intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies	
3.	AEJ2Z	·	h intermedia			(A00) Arch	nitecture, Undergraduate Academic Studies	
4.	AEJ3Z	English	h Language	e - upper intermediate		, ,	nitecture, Undergraduate Academic Studies	
							I Engineering, Undergraduate Academic Studies	
							chanization and Construction Engineering, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	EJ01L	English Language – Elementary				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Production Engineering, Undergraduate Academic Studies		
						(S00) Traffic and Transport Engineering, Undergraduat Academic Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
						(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
							asurement and Control Engineering, uate Academic Studies	
6.	EJ01Z	English	h Language	e - Elementary		(Z01) Safety at Work, Undergraduate Academic Studies		
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
							aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Environmental Engineering, Undergraduate Academic Studies		
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
						(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies	
							chanization and Construction Engineering, uate Academic Studies	
7.	EJ02L	English	h Language	e – Pre-Intermediate		(MR0) Measurement and Control Engineerin Undergraduate Academic Studies		
			-			(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate Academic Studies		

HANTAS STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

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

List o	ist of courses being held by the teacher in the accredited study programmes							
	ID	Course name	Study programme name, study type					
			(110) Industrial Engineering, Undergraduate Academic Studies					
8.	EJ02Z	English Language – Pre-Intermediate	(120) Engineering Management, Undergraduate Academic Studies					
0.	LJUZZ		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies					
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies					
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies					
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies					
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies					
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
			(Z20) Environmental Engineering, Undergraduate Academic Studies					
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies					
			(Z01) Safety at Work, Undergraduate Academic Studies					
10.	EJ04L	English Language – Upper Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
			(Z20) Environmental Engineering, Undergraduate Academic Studies					
			(E20) Computing and Control Engineering, Undergraduate Academic Studies					
			(ES0) Power Software Engineering, Undergraduate Academic Studies					
			(F10) Engineering Animation, Undergraduate Academic Studies					
11.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies					
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					
			(AH0) Architecture, Master Academic Studies					
			(E20) Computing and Control Engineering, Undergraduate Academic Studies					
			(F10) Engineering Animation, Undergraduate Academic Studies					
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies					
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

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



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

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

List c	ist of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type				
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies				
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies				
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies				
24		English for Constitut Durange	(I10) Industrial Engineering, Undergraduate Academic Studies				
34.	EJIIM	English for Specific Purposes	(I20) Engineering Management, Undergraduate Academic Studies				
			(E20) Computing and Control Engineering, Undergraduate Academic Studies				
			(ES0) Power Software Engineering, Undergraduate Academic Studies				
			(F10) Engineering Animation, Undergraduate Academic Studies				
35.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies				
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				
			(AH0) Architecture, Master Academic Studies				
			(E20) Computing and Control Engineering, Undergraduate Academic Studies				
			(ES0) Power Software Engineering, Undergraduate Academic Studies				
			(F10) Engineering Animation, Undergraduate Academic Studies				
36.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies				
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				
			(AH0) Architecture, Master Academic Studies				
37.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies				
38.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies				
39.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies				
40.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies				
Rep	oresentative	refferences (minimum 5, not more than 10)					
1.	Gak Drag	jana, Lorejn Hansberi i (afro) američka porodica, Zadužbina	a Andrejević, Beograd, 2012				
2.	Cak Dragana, Bulatović Vesna, Bogdanović Vesna, Poređenje nastave engleskog jezika na privatnom i državnom fakultetu						
3.	Pulatović Vosna, Cok Dragana, Bogdanović Vosna, Nastava stranih jozika na privatnom fakultatu. Zbornik radova sa						
4.		vić Vesna, Gak Dragana, Univerzalana simbolika na primer lecembar , Pančevo, 2010	u afro-američke zajednice u drami Lorejn Hansberi, Sveske,				
5.	Cak Dragana, Borković Bojana, Neode Analysie: A Basis of a Successful Business English Course, Zhornik radova sa						
6.		Vesna, Gak Dragana, Speaking Skills: Advantages and Pra a međunarodne konferencije Jezik struke: Izazovi i perspek	oblems Involved When Teaching Business English, Zbornik tive, Univerzitet u Beogradu, str. 235-240, Beograd, 2011.				
7.		ana, Textbook - An Important Element in the Teaching Pro	cess, Metodički vidici, Filozofski fakultet Novi Sad, str.78-82,				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	e and last n	amo.			Gerić D. Kata	rina	1	
-	emic title:	ane.			Full Professor			
		itution	where the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
	ng date:				02.12.1976			
	ntific or art f	ield:				nce and Eng	gineering Materials	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Material Science and Engineering Materials	
PhD	thesis		1997	Faculty of Technology a	nd Metallurgy -	Beograd	Material Science and Engineering Materials	
Magi	ster thesis		1985	Faculty of Technology a	nd Metallurgy -	Beograd	Material Science and Engineering Materials	
Bach	elor's thesis	6	1974	Faculty of Technology a	nd Metallurgy -	Beograd	Metallurgical 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.	H106	Materi	als in Mech	anical Engineering		(H00) Med	chatronics, Undergraduate Academic Studies	
							chanization and Construction Engineering, uate Academic Studies	
						J J		
						Academic	ergy and Process Engineering, Undergraduate Studies	
2.	M105	Mecha	anical Mater	ials			chnical Mechanics and Technical Design, uate Academic Studies	
							asurement and Control Engineering, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
3.	P2412	Conte	mporary Ma	aterials		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
4.	P3401	Chara	cteristics ar	nd Application of Plastic M	aterials	(P00)Proo Studies	duction Engineering, Undergraduate Academic	
_	70000					(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
5.	ZC003		omechanica			(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
6.	ZRI42A		at work in ent of meta	metallurgy and thermoche I	mical	(Z01) Safety at Work, Undergraduate Academic Studies		
7.	P2502	Proper	rties and Se	election of Materials		(PM0) Production Engineering, Master Academic Studies		
8.	PTS01	Techn	ology of sin	tering		(PM0) Production Engineering, Master Academic Studies		
9.	DM214	Select	ed Chapter	s in Working Strength		(M00) Mechanical Engineering, Doctoral Academic Studies		
10.		-	eering Mate			(M00) Mechanical Engineering, Doctoral Academic Studies		
11.	SAP004		re Mechani			(M00) Me	chanical Engineering, Doctoral Academic Studies	
Rep			,	num 5, not more than 10)				
1.	alloys, Ma	aterials	and Design	, 2013, Vol. 44, pp. 303-3	10, ISSN: 0261	-3069.	.: Notch fracture toughness of high-strength Al	
2.	232, 2008	B, pp. 58	39-594		-	_) aluminium alloys, Journal of Microscopy, Vol	
3.							pagation models: Numerical and experimental I. 7, No. 2, pp. 801-810, ISSN: 1840-1503.	
4.	properties	s, Stroja	arstvo, 2011	, Vol. 53, No. 3, pp. 171-1	78, ISSN: 056	2-1887.	k growth prediction from low cycle fatigue	
5.				c K, The role of Intermetall 555, 2007, pp 553-558	ic Phases in Fa	atigue Crack	Propagation Behavior of Al-Zn-Mg-Cu alloy,	
6.				rdanov I. : Fracture mecha ls researches. Vol.II, No.1			fected zone of high strength microalloyed steel,	
7.	7. Sedmak S., Gerić K.: Evaluation of crack significance in velded joint by fracture mechanic approach, Kovine, zlitine tehnologije1-2, 32, 1998, 21-27							
8.	Gerić K, Glavardanov I, Sedmak S.: Relability and Structural integrity of advanced materials, deo J integral and Final Strech zone for crack in HSLAof Undermatched and Overmatched weldments, EMAS Publication LTD, pp. 996-1005							
9.	Gerić K.:	Prsline	u zavareno	m spoju, monografija, Fak	ultet tehničkih	nauka, Nov	i Sad, 2005.	
	· · · · · · · · · · · · · · · · · · ·							

UNIVERSITY OF NOVI SAD WIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering NDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering Representative refferences (minimum 5, not more than 10) 10. Gerić K.: Fractographic Analysis, part of monograph "From fracture mechanics to structural integrity assessment", 8. International fracture mechanics summer-school, Belgrade 2004, pp. 147-158 Summary data for teacher's scientific or art and professional activity: Quotation total : 2 Total of SCI(SSCI) list papers : 5

2

International :

0

Domestic :

Current projects :



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name: Glavardanov E					R Valentin			
Academic title:					Glavardanov B. Valentin Full Professor			
		titution v	where the to	acher works full time and	Faculty of Technical Sciences - Novi Sad			
-	ng date:				,	17.05.1990		
	ntific or art f	ield:				rmable Body Mechanics		
	emic cariee		Year	Institution		, , , , , , , , , , , , , , , , , , , ,	Field	
Acad	emic title el	lection [.]	2008	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics	
	thesis		1997	Faculty of Technical Sci			Deformable Body Mechanics	
	ster thesis		1995	Faculty of Mathematics			Deformable Body Mechanics	
	elor's thesis	s	1989	Faculty of Technical Sci	0	ad	Deformable Body Mechanics	
		-		acher in the accredited stu				
	ID	Course	e name			Study pro	gramme name, study type	
1.	F107	Techn	ical Mechar	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, uate Academic Studies	
	MOOA	Ctran -	th of Mata	iolo		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
3.	M204	Streng	th of Mater	iais			chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Prod Studies	roduction Engineering, Undergraduate Academic	
							chnical Mechanics and Technical Design, uate Academic Studies	
4.	M2412	Theory	/ of Elastici	ty		l o	duction Engineering, Undergraduate Academic	
5.	M4302	Biome	chanics and	d mechanics of sport			chnical Mechanics and Technical Design, uate Academic Studies	
6.	M4304	Advan	ced strengt	h of materials			hnical Mechanics and Technical Design, uate Academic Studies	
7.	M4306	Simila	rity and dim	ensional methods		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
8.	M4401	Contin	uum mecha	anics			hnical 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		(BM0) Bio 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	nnical Mechanics and Technical Design, uate Academic Studies	
13.	M4504	Therm	al Elasticity	,		Académic		
14.	M45991	Biomechanics of cardiovascular system			(M40) Tec Academic	nnical Mechanics and Technical Design, Master Studies		
15.	DM402	Selected Chapters in Elasticity Theory			· /	chanical Engineering, Doctoral Academic Studies chnical Mechanics, Doctoral Academic Studies		
16.	DM404	Select	ed Chapter	s in Mechanics of Continu	um	(M00) Me	chanical Engineering, Doctoral Academic Studies chnical Mechanics, Doctoral Academic Studies	
17.	DZ003	Select	ed Chanter	s in Mechanics			chanical Engineering, Doctoral Academic Studies	
17.	FDS143					phic Engineering and Design, Doctoral Academic		
19.	ZRD16A	Select	ed chapters	s in mechanics and elastic	ity theory		ety at Work, Doctoral Academic Studies	
					,			
Representative refferences (minimum 5, not more than 10)								

	AS ST.		UNIVERSITY OF NO	VI SAD		AUA			
ALS NOIL BO		FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
NO Z		Study F	Study Programme Accreditation						
6	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	HO8.			
Re	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 co	olumn, European Journal o	f Mechanics A-			
2.	Atanackovi 130, 1996	c M.T., Glavardanov B.V.: Twisted a	axially loaded rod with	shear and compr	essibility, 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	ulled. Int. J. Non-Linear Me	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 rod	. 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 a	and Structures,			
6.		ić, V. B. Glavardanov, Stability of a l -Transaction of the ASME, 71, 896-		lar Plate With Ela	stic Edge Support, Journal	of Applied			
7.	Valentin Gl	avardanov: Zbirka rešenih zadataka	i 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 Multidiscipl	inary			
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.	Glavaradnov V, Maretic R, Stability of a twisted and compressed clamped rod, Acta Mechanica, 202, 17-33, 2009								
Summary data for teacher's scientific or art and professional activity:									
Quotation total : 2									
Tota	of SCI(SSCI) list papers :	14						
Curr	ent projects :		Domestic :	1	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name: Grahovac M. N						Nonod		
	e and last n	ame:			Granovac M. Assistant Pro			
		litution	whore the t-	achor works full time and		echnical Sciences - Novi Sad		
	e of the inst ng date:	utution V		acher works full time and	29.12.2004			
	ntific or art f	ield:			Mechanics			
	emic cariee		Year	Institution			Field	
Acad	emic title el	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics	
	thesis		2011	Faculty of Technical Sci			Mechanics	
Magi	ster thesis		2005	Faculty of Technical Sci			Continuum Mechanics	
	elor's thesis	s	2002	Faculty of Technical Sci			Deformable Body Mechanics	
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	
						(A00) Arch	nitecture, Undergraduate Academic Studies	
1.	A207	Mecha	inics			(F10) Eng Studies	ineering Animation, Undergraduate Academic	
							er, Electronic and Telecommunication g, Undergraduate Academic Studies	
2.	E104	Mecha	INICS			(MR0) Me	asurement and Control Engineering, uate Academic Studies	
3.	GG07	Mecha	nics 1			(G00) Civi	I Engineering, Undergraduate Academic Studies	
						(H00) Mec	chatronics, Undergraduate Academic Studies	
4.	H112	Mecha	nics 1 – Fu	ndamentals		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
5.	H201	Mecha	nics 2 - Ge	neral		(H00) Mec	hatronics, Undergraduate Academic Studies	
6.	H303	Mecha	tronics 3 –	Further Chapters		(H00) Mec	hatronics, Undergraduate Academic Studies	
						Undergrad	chanization and Construction Engineering, uate Academic Studies ergy and Process Engineering, Undergraduate	
7.	M204	Streng	trength of Materials			Academic		
						Undergrad	uate Academic Studies duction Engineering, Undergraduate Academic	
						Studies		
8.	M4401	Contin	uum mecha	anics		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
9.	BMI127	Biomo	chanics			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.		BIOINE				(E10) Power, Electronic and Telecommunication Engineering, 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		hnical Mechanics and Technical Design, uate Academic Studies	
12.	M44061	Optimi	zation of m	echanical systems			hnical Mechanics and Technical Design, uate Academic Studies	
13.	BMIM4A	Transport phenomena and Living systems				(BM0) Bio	medical Engineering, Master Academic Studies	
14.	M45991	Biome	chanics of c	cardiovascular system		(M40) Technical Mechanics and Techn Academic Studies		
15.	SZD051		ations of op nment prote	timal control theory in livir	ıg	(Z00) Envi Studies	ironmental Engineering, Specialised Academic	
16.	DM801	Biome	dical mecha	anics		(M40) Tec	hnical Mechanics, Doctoral Academic Studies	
]						(H00) Mec	chatronics, Doctoral Academic Studies	
17.	DTM02	Theory	/ of impact			(M00) Med	chanical Engineering, Doctoral Academic Studies	
	211102		,			. ,	hnical Mechanics, Doctoral Academic Studies	
						(S00) Traffic Engineering, Doctoral Academic Studies		



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

State State

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study programmes										
	ID	Course name		Study programme name, study type						
18.	DTM03	Biomechanical models and analysis	of impact	(M40) Technical Mechanics, Doctoral Academic Studies						
19.	ZRD16A	Selected chapters in mechanics and	l elasticity theory	(Z01) Safety at \	Nork, Doctoral Academic S	tudies				
Rep	Representative refferences (minimum 5, not more than 10)									
1.	1. Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, INT J BIFURCAT CHAOS, 2012, Vol. 22, No 4, pp. 1-10, ISSN 0218-1274									
2.	2. Grahovac N., Žigić M.: Modelling of the hamstring muscle group by use of fractional derivatives, Computers and Mathematics with Apllications, 2010, Vol. 59, No 5, pp. 1695-1700, ISSN 0898-1221.									
3.	3. Glavardanov V., Maretić R., Grahovac N.: Buckling of a twisted and compressed rod supported by Cardan joints , European Journal of Mechanics - A: Solids, 2009, Vol. 28, pp. 131-140, ISSN 0997-7538									
4.	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									
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.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)									
7.		c N., Žigić M., Spasić D.: On impact s I Differentiation and Its Applications, I			n type of dissipation, 4. IFA	C Workshop on				
8.	Grahovac N.: Generalized Zener model in the analysis of free vibration of a viscoelastic oscillator, 2. International Congress of Serbian Society of Mechanics, Palić: Serbian Society of Mechanics, 1-5 Jun, 2009, pp. 145-153, ISBN 978-86-7892-173-5, UDK: 531/534(082)									
9.	Žigić M., Grahovac N., Spasić D.: A simplified earthquake dynamics of a column like structure with fractional type of dissipation, 1. International Congress of Serbian Society of Mechanics, Kopaonik: Serbian Society of Mechanics, 10-13 April, 2007, pp. 165- 172, ISBN 978-86-909973-0-5, UDK: 531/534(082)									
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 									
Sur	mmary data	for teacher's scientific or art and prof								
	ation total :		5							
		CI) list papers :	3							
Curre	Current projects : Domestic : 1 International : 0									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Academic 2116: Full Professor Name of the institution where the teacher works full time and faculty of Technical Sciences - Novi Sad starting data: 51.66.1994 Scientific or at field: Thermal Energetics and Thermotechnics Academic categories Year Institution Academic categories Year Institution Magister thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Magister thesis 1977 Faculty of Mechanical Engineering - Beograd Mechanical Engineering List of courses being held by the teacher in the accredited study programme Mechanical Engineering. 1. EOS38 Energetski menadzment (E01) Power Engineering - Renewble Sources of Electrical Engineering. 2. M3300 Thermal Engretisci Mergraduate Professional Studies 3. M3405 Thermal Engretisci Mergraduate Academic Studies 4. M3511 Refrigeration Devices (M30) Energy and Process Engineering. Undergraduate Academic Studies 5. Z206 Alternative Engineering Studies (Z01) Environmental Engineering. Undergraduate Academic Studies 6. Z2061 Alternative Engineering Studies (Z02) Environmental Engineering. Undergraduate Academic Studies 7. Z01312 Thermal Power Plants (Z02) Environmental Engineering. Undergraduate Academic Studies	Name and last name:						1- ¹¹ -			
Name of the institution where the teacher works full time and starting date: Faculty of Technical Sciences - Novi Sad 10.6 1994 Construction cancer Year Institution Thermal Energetics and Thermotechnics Academic title decision 1993 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermotechnics Academic title decision 1993 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Magister thesis 1974 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1974 Faculty of Mechanical Engineering - Beograd Mechanical Engineering List of courses being held by the teacher in the accredited study programmes Ecol 2000 Energetics and Thermotechnics 1. EOS38 Energetics and Thermoleching - Renewble Sources of Electrical Energy. Undergraduate Professional Studies 2. M3302 Thermeal Turbines 1 (M30) Energy and Process Engineering. Undergraduate Academic Studies 3. M405 Thermal Energy Sources (201) Safety at Work. Undergraduate Academic Studies 5. 2206 Alternative Energy Sources (201) Safety at Work. Undergraduate Academic Studies 6. 22064 Alternative Energy Sources							rković R. Vojin			
siarding date: 10.02.1994 Scientific or art field: 10.02.1994 Academic caneer Year Institution 1993 Faculty of Technical Sciences - Novi Sad Thermolechnics PhD thesis 1993 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering List of courses being held by the teacered teatury programme 1. EOS38 Energetski menad2ment (E101) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies 1. M3030 Thermal Turbines 1 4. M3030 Refrigeration Devices (M30) Energy and Process Engineering. Undergraduate Academic Studies 5. 2206 Alternative Energy Sources (201) Safety at Work, Undergraduate Academic Studies 7. Z01312 Thermal Power Plants 2. 20134 Made5 Made5 Made7 Made7 Made7 Made7 Made8 Made7 Made8 Made8 Made8 Made8 Made7 Made8 Made8 Made8 Made8 Made9 Made8 Made8 Made9										
Scientific or art field: Thermal Energetics and Thermotechnics Academic tile dectori: 1983 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Magister thesis 1974 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Magister thesis 1974 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Magister thesis 1974 Faculty of Mechanical Engineering - Beograd Mechanical Engineering List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1. EOS38 Energetski menad2ment (E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies 2. M302 Thermal Turbines 1 (M30) Energy and Process Engineering. Undergraduate Academic Studies 3. M405 Thermal Engineering (IC20) Environmental Engineering. Undergraduate Academic Studies 6. Z206A Alternative Energy Sources (Z01) Safety at Work, Undergraduate Academic Studies 7. Z01312 Thermal Engineering. Undergraduate Academic Studies (Z02) Environmental Engineering. Undergraduate Academic Studies 8. <t< td=""><td></td><td></td><td>itution v</td><td>vhere the te</td><td>acher works full time and</td><td></td><td colspan="3"></td></t<>			itution v	vhere the te	acher works full time and					
Academic caneer Year Institution Field Academic title election: 1993 Faculty of Technical Sciences - Novi Sad Thermalical Engineering Mechanical Engineering Magister thesis 1974 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Lst of courses being held by the teacher in the accredited study programmes Study programme name, study type 1. EOS38 Energetski menad2ment (E01) Power Engineering - Renewble Sources of Electrical Energy. Undergraduate Professional Studies 2. M3302 Thermonergy Plants (M30) Energy and Process Engineering. Undergraduate Academic Studies 3. M3405 Thermal Turbines 1 (M30) Energy and Process Engineering. Undergraduate Academic Studies 6. Z206A Alternative Power Engineering (Z20) Finerty and Process Engineering. Undergraduate Academic Studies 7. Z0131A Thermal Power Plants (Z20) Finergy and Process Engineering. Undergraduate Academic Studies 8.		-	ield [.]							
Academic title election 1993 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermotechnics PhD thesis 1984 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering Bachelor's thesis 1970 Faculty of Mechanical Engineering - Beograd Mechanical Engineering ID Course name Study programme name, study type 1. EOS38 Energetski menadžment (E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies 2. M3002 Thermal Turbines 1 (M30) Energy and Process Engineering, Undergraduate Academic Studies 3. M3405 Thermal Power Engineering [220] Environmental Engineering, Undergraduate Academic Studies 4. M3501 Refrigeration Devices (Z01) Stafty at Work, Undergraduate Academic Studies 7. Z01312 Thermal Power Plants (Z02) Environmental Engineering, Undergraduate Academic Studies 8. Z0131A </td <td></td> <td></td> <td></td> <td>Year</td> <td>Institution</td> <td></td> <td>genes and</td> <td></td>				Year	Institution		genes and			
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9	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	HO				
Rep	presentative r	efferences (minimum 5, not more th	an 10)							
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4.	Grković V., Ćuk N. i Živković M.: "Energetski efekti rekonstrukcije gasnih turbina TG 3000 radi prevođenja sa tečnog na gasovito gorivo", TERMOTEHNIKA, XXII (1996), Br. 2-3, s. 233-239.									
5.	Grković V.: "Energy-Efficiency Improvements by Joint Oeration of Two DH Systems Using Old Condensing Turbines", ENERGY, the International Journal, Vol.22, (1997), No. 11, pp. 1099-1102.									
6.	Grković V.: "Selection of the Optimal Extraction Pressure for Steam from a Condensation-Extraction Turbine", ENERGY, the International Journal, Vol.15, (1990) No. 5, pp. 459-465.									
7.		"Optimisations for District Heating o al Journal, Vol. 14, (1989) No.11, pp		Kolubara Energy a	nd Industrial Complex", E	NERGY, the				
8.	Grkovič V. "Ontimizacija parametrov otbora u kondensacionih turbin s promežutočnim otborom para" TEPLOENERGETIKA									
9.	Grković V.: "Simulation stationaerer Betriebszustaende von Kondensationsturbinen mit Fernwaermeauskoppelung, BWK, 39, (1987), No. 7/8, S. 349.									
10.	Grković V.: "Mathematisches Modell zur Optimierung des Auslegungsentnahmedrueckes an der einer Kondensationsturbine mit Fernwaermeauskopplung", FERNWAERME INTERNATIOAL FWI, Vol. 20, (1991), Nr. 11, S. 616-626.									
Sur	Summary data for teacher's scientific or art and professional activity:									
Quot	tation total :		12							
Tota	I of SCI(SSCI)	list papers :	5							
Curre	ent projects :		Domestic :	1	International :	1				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Academic title: Full Professor Name of the institution where the teacher works full time and faculty of Technical Sciences - Novi Sad 5 Scientific or art field: Thermal Energetics and Thermolechnics Academic title election: 1993 Faculty of Technical Sciences - Novi Sad PhD thesis 1981 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermolechnics Magister thesis 1978 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1978 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1977 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo ID Course name Study programme name, study type List of courses being held by the teacher in the accredited study programmes 2. M119 Energetski menadžment (E01) Power Engineering - Renewble Source Energy, Technologies, Undergrav, Academic Studies 3. M222A Energy System Engineering (M30) Energy and Process Engineering, Un Academic Studies 4. M3311 Renewable Energy Sources (M30) Energy and Process Engineering, Unacademic Studies 5. M3			
Name of the institution where the teacher works full time and starting date: Faculty of Technical Sciences - Novi Sad Scientific or art field: Thermal Energetics and Thermotechnics Academic carieer Year Institution Field Academic title election: 1993 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo PhD Inesis 1981 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Magister thesis 1978 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Magister thesis 1978 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Magister thesis 1978 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Magister thesis ID Course name Study programmes Study programme name, study type 1. EOS38 Energetski menadžment (E01) Power Engineering - Renewble Sourc Energy, Undergraduate Professional Studies 2. M119 Energy System Engineering (M30) Energy and Process Engineering, Un Academic Studies 3. M222A Energy Sources (M30) Energy and Process Engineering, Un Academic Studies 5. M3501 Refrigeration Devices (M30) Energy and Process Engineering, Un Academic Stud	Gvozdenac D. Dušan		
starting date: 01.06.1973 Scientific or art field: Thermal Energetics and Thermotechnics Academic carieer Year Institution Academic title election: 1993 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo PhD thesis 1971 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Ib Course name Study programme mame, study type Study programme mame, study type 1 EOS38 Energetski menadžment (E01) Power Engineering, Energy Technologies, Undergravitate Professional Studies 2 M119 Energy System Engineering (M30) Energy and Process Engineering, UnAcademic Studies <td< td=""><td colspan="3"></td></td<>			
Scientific or art field: Thermal Energetics and Thermotechnics Academic title election: 1993 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo PhD thesis 1981 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1978 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo List of courses being held by the teacher in the accredited study programmes Study programme name, study type 1 EOS38 Energy Transformations (Z20) Clean Energy Technologies, Undergraduate Professional Studies 2 M119 Energy Transformations (Z20) Clean Energy Technologies, Undergraduate Professional Studies 3 M222A Energy System Engineering (M30) Energy and Process Engineering, Undergraduate Studies 4 M3311 Renewable Energy Sources (Z20) Fenvironmental E			
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Academic title election: 1993 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo PhD thesis 1981 Faculty of Mechanical Engineering - Beograd Thermal Energetics and Thermo Magister thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo Bachelor's thesis 1973 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermo List of courses being held by the teacher in the accredited study programmes Thermal Energetics and Thermo Thermal Energetics and Thermo 1. EOS38 Energetski menadžment (E01) Power Engineering - Renewble Source Energy. Undergraduate Professional Studies 2. M119 Energy Transformations (ZC0) Clean Energy Technologies, Undergradate Professional Studies 3. M222A Energy System Engineering (M30) Energy and Process Engineering, Unacdemic Studies 4. M3311 Renewable Energy Sources (Z00) Clean Energy Technologies, Undergradate Profess Engineering, Unacdemic Studies 5. M3501 Refrigeration Devices (Z00) Energy and Process Engineering, Unacdemic Studies 6. Z206 Alternative Energy Sources (Z00) Environmental Engineering, Undergradate Academic Studies 9. E2313 <td< td=""><td></td></td<>			
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8. Z206 Alternativna energetika(uneti naziv na engleskom) (Z20) Environmental Engineering, Undergrad Studies 9. E2313 Fundamentals of Process and Energy Engineering (E20) Computing and Control Engineering, Undergraduate Studies 10. II1044 Energy flows and energy efficiency (I10) Industrial Engineering, Undergraduate Academic Studies 11. M211 Measurement and Regulation (M30) Energy and Process Engineering, Undergraduate Studies 12. M3031 Engineering Calculations of Energy Technologies Apparatus and Equipment (Z20) Clean Energy Technologies, Undergraduate Academic Studies	uate Academic		
8. 2206 Alternational energetika (uneti nazio na engleskom) Studies 9. E2313 Fundamentals of Process and Energy Engineering (E20) Computing and Control Engineering, L Academic Studies 10. II1044 Energy flows and energy efficiency (I10) Industrial Engineering, Undergraduate Academic Studies 11. M211 Measurement and Regulation (M30) Energy and Process Engineering, Undergraduates 12. M3031 Engineering Calculations of Energy Technologies Apparatus and Equipment (ZC0) Clean Energy Technologies, Undergrad	mic Studies		
9. E2313 Fundamentals of Process and Energy Engineering Academic Studies 10. II1044 Energy flows and energy efficiency (I10) Industrial Engineering, Undergraduate Academic Studies 11. M211 Measurement and Regulation (M30) Energy and Process Engineering, Undergraduate Academic Studies 12. M3031 Engineering Calculations of Energy Technologies Apparatus and Equipment (ZC0) Clean Energy Technologies, Undergrad Academic Studies	uate Academic		
10. II1044 Energy flows and energy efficiency (I10) Industrial Engineering, Undergraduate Academic Studies 11. M211 Measurement and Regulation (M30) Energy and Process Engineering, Undergraduate Studies 12. M3031 Engineering Calculations of Energy Technologies Apparatus and Equipment (ZC0) Clean Energy Technologies, Undergrad Academic Studies	-		
10. Interfer y nows and energy enclency Studies 11. M211 Measurement and Regulation (M30) Energy and Process Engineering, Und Academic Studies 11. M211 Measurement and Regulation (ZC0) Clean Energy Technologies, Undergrade Academic Studies 12. M3031 Engineering Calculations of Energy Technologies Apparatus and Equipment (ZC0) Clean Energy Technologies, Undergrade Academic Studies	es		
11. M211 Measurement and Regulation Academic Studies 12. M3031 Engineering Calculations of Energy Technologies Apparatus and Equipment Calculations of Energy Technologies Academic Studies			
12. M3031 Engineering Calculations of Energy Technologies Apparatus and Equipment (ZC0) Clean Energy Technologies, Undergra Academic Studies			
12. M3031 Apparatus and Equipment Academic Studies			
13. M3494 Energy efficiency (M30) Energy and Process Engineering, Und Academic Studies 13. M3494 Energy efficiency (ZC0) Clean Energy Technologies	-		
(ZC0) Clean Energy Technologies, Undergra Academic Studies			
14. 1939 Merenje, nadzor i upravljanje (M50) Energy Management, Master Academ			
15. IMDS78 Odabrana poglavlja iz energetskog menadžmenta(uneti naziv na engleskom) (122) Engineering Management, Specialised Studies			
16. M3503 Dinamika i modeliranje termoenergetskih postrojenja(uneti naziv na engleskom) (M30) Energy and Process Engineering, Ma Studies			
17. M3M07 Energy storage (ZC0) Clean Energy Technologies, Master A Studies			
18. M5022 Renewable energy sources (M50) Energy Management, Master Academ			
19. SZSP24 Savremeni principi energetskog menadžmenta (Z00) Environmental Engineering, Specialise Studies Studies	d Academic		
20. DM216 Energy Systems (M00) Mechanical Engineering, Doctoral Aca			
21. DM217 Energy Management in Idustry (M00) Mechanical Engineering, Doctoral Aca	demic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

of courses bein	a held by the t	eacher in the ac	ccredited study	orogrammes

List of courses being held by the teacher in the accredited study programmes										
LISU										
	ID	Course name		Study programme name, study type						
22.	DM218	Contemporary Energy Technologies		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies				
23.	DM219	Energy Politics		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies				
24.	DM302	Engineering Experimental Methods		, ,	nics, Doctoral Academic Stu cal Engineering, Doctoral Ac					
25.	DM309	Energy Management Methods		, ,	cal Engineering, Doctoral Ac					
26.	DM332 Energy Management in Buildings (M00) Mechanical Engineering, Doctoral Academic Studie									
27.	DM333	Renewable Energy Resoruces		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies				
28.	ZSP24	Modern Principles of Energy Manag	ement	(Z00) Environm Studies	ental Engineering, Doctoral	Academic				
29.	29. IMDR78 Odabrana poglavlja iz energetskog menadžmenta(uneti naziv na engleskom) (120) Industrial Engineering / Engineering M									
Rep	Representative refferences (minimum 5, not more than 10)									
1.	Energy Efficiency in Food Processing Industry – East European Experience, edited by D. Gvozdenac, UNDP/UNIDO Project DP/RER/83/003, Novi Sad, pp. 123, 1991.									
2.	Conterporary problems in Power Engineering (monograph), Novi Sad/Thesaloniki, Gvozdenac D, Xypteras J, Dimić M. 1996.									
3.	Measurement and regulation (Selected chapters for operators of large power plants), Institute of energy and process engineering, Novi Sad, Gvozdenac, D, Pešenjanski, I,1980. (in Serbian).									
4.	Measurement and Regulation in Thermal Engineering, Faculty of Technical Sciences, Gvozdenac, D, Novi Sad, 2000. (in Serbian).									
5.	Bilancirania anarostskih tokova. Pokrajinski centar za anarostku efikasnost. Gvozdenac. D. Marić M. Petrović I. Novi Sad									
6.		ac D, Menke C, Vallikul P, Petrovic J, Energy, Volume 34, Issue 4, 2009, p		ment of potential	for natural gas-based coger	neration in				
7.		natical Model for Heat Transfer in Cor E Journal of Engineering for Power, V			rs, Gulič, M, Gvozdenac, D,	Transactions of				
8.	Somcharoenwattana W, Menke C, Kamolpus D, Gvozdenac D: Study of Operational Parameters Improvement of Natural-Gas Cogeneration Plant in Public Buildings in Thailand, Energy and Buildings, Vol. 43, Issue 4, April, 2011. p. 925-934									
9.		s counter cross-flow heat exchangers ertragung, Vol. 20, 1986, pp. 151 – 16		ed throughout, Gv	vozdenac, D, Waerme - und					
10.		I Solution of the Transient Response on IE Journal of Heat Transfer, Vol. 108,		ow Heat Exchang	ger With Both Fluids Unmixe	d, Gvozdenac,				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		71							
		CI) list papers :	26			i				
Curre	Current projects : Domestic : 2 International : 1									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Academic title: Assistant Professor Name of the institution where the teacher works full time and factor or at field: Faculty of Technical Sciences - Novi Sad Scientific or at field: Institution Field Academic title election: 2011 Faculty of Technical Sciences - Novi Sad PhD thesis 2011 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermotechnics Bachelor's thesis 2008 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermotechnics Bachelor's thesis 2008 Faculty of Technical Sciences - Novi Sad Thermal Energetics and Thermotechnics Bachelor's thesis 2008 Faculty of Technical Sciences - Novi Sad Production Systems, Organization and Management List of courses being held by the teacher in the accredited study programmes (M50) Energy Management, Master Academic Studie 1. 1079 Modern Energy Technologies (M50) Energy and Process Engineering, Undergraduate Academic Studies 2. M119 Energy System Engineering (M30) Energy and Process Engineering, Undergraduate Academic Studies 3. M222A Energy System Engineering (Z20) Clean Energy Technologies, Undergraduate Academic Studies 5. Z453 Energy System Engineering	Name and last name: Gvozdenac Urošević D. Branka									
starting date: 15.10.2004 Scientific or art field: Environment Protection Engineering Academic carrieer Year Institution Ph0 thesis 2011 Faculty of Technical Sciences - Novi Sad Thermal Energretics and Thermotechnics Magister thesis 2008 Faculty of Technical Sciences - Novi Sad Thermal Energretics and Thermotechnics Bachelor's thesis 2003 Faculty of Technical Sciences - Novi Sad Production Systems, Organization and Management List of courses being held by the teacher in the accredited study programmes (M50) Energy Management, Master Academic Studies 1. 1079 Modern Energy Technologies (ZCO) Clean Energy Technologies, Undergraduate Academic Studies 2. M119 Energy System Engineering Academic Studies 3. M222A Energy System Engineering (ZCO) Clean Energy Technologies, Undergraduate Academic Studies 5. Z453 Energy System Engineering (ZCO) Clean Energy Technologies, Undergraduate Academic Studies 6. OAS214 Integralni katastar zagađivača(uneti naziv na engleskom) (Z20) Clean Energy Technologies, Undergraduate Academic Studies 7. Z206 Autemativna energetika(uneti naziv na engleskom) (Z20) Clean Energy Technologies, Und	-		anc.							
starting date: 15.10.2004 Scientific or art field: Environment Protection Engineering Academic carrieer Year Institution Ph0 thesis 2011 Faculty of Technical Sciences - Novi Sad Thermal Energretics and Thermotechnics Magister thesis 2008 Faculty of Technical Sciences - Novi Sad Thermal Energretics and Thermotechnics Bachelor's thesis 2003 Faculty of Technical Sciences - Novi Sad Production Systems, Organization and Management List of courses being held by the teacher in the accredited study programmes (M50) Energy Management, Master Academic Studies 1. 1079 Modern Energy Technologies (ZCO) Clean Energy Technologies, Undergraduate Academic Studies 2. M119 Energy System Engineering Academic Studies 3. M222A Energy System Engineering (ZCO) Clean Energy Technologies, Undergraduate Academic Studies 5. Z453 Energy System Engineering (ZCO) Clean Energy Technologies, Undergraduate Academic Studies 6. OAS214 Integralni katastar zagađivača(uneti naziv na engleskom) (Z20) Clean Energy Technologies, Undergraduate Academic Studies 7. Z206 Autemativna energetika(uneti naziv na engleskom) (Z20) Clean Energy Technologies, Und			itution v	vhere the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad				
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6.	Petrović, J., Gvozdenac,B., Računarski model tehničke i ekonomske ocene opravdanosti izgradnje distribuiranih kogeneracionih postrojenja – na primeru fabrike na Tajlandu, KGH- Klimatizacija, grejanje i hlađenje, 2007, No. 1/07, str. 49- 54,								
7.	Gvozdenac	D, Gvozdenac-Urošević B, Morvaj	Z, ENERGETSKA EF	IKASNOST, FTN	izdavaštvo, Novi Sad, 2012	2			
8.	Gvozdenac D, Nakomčić-Smaragdakis B, Gvozdenac-Urošević B, RENEWABLE ENERGY, Faculty of Technical Sciences Publishing, Novi Sad, 2012								
9.	Model plan	Model planiranja razvoja distribuirane kogeneracije i njene integracije u regionalni energetski sistem							
10.	Bašić, Đ., Petrović, J., Marić, M., Dragutinović, G., Gvozdenac, B., Štrbac, D., Mogućnosti korišćenja energetskog potencijala geotermalnih voda u Vojvodini, PROMETEJ, Novi Sad, 2009								
Summary data for teacher's scientific or art and professional activity:									
Quot	ation total :		0						
Total	of SCI(SSCI) list papers :	3		-				
Curre	ent projects :		Domestic :	2	International :	1			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name: Jocanović T.									
			,		Assistant Pro				
	e of the ins ng date:	titution v	vnere the te	acher works full time and	15.03.1999	chnical Sciences - Novi Sad			
	ntific or art f	ield:			Quality, Effec	tiveness and	d Logistics		
	emic carie		Year	Institution	goonty, Enco		Field		
	emic title e		2010	Faculty of Technical Sci	ences - Novi Si	ad	Quality, Effectiveness and Logistics		
	thesis		2010	Faculty of Technical Sci			Quality, Effectiveness and Logistics		
	ster thesis		2006	Faculty of Technical Sci			Mechanical Engineering		
	elor's thesi	\$	1999	Faculty of Technical Sci			Mechanical Engineering		
		-		acher in the accredited stu					
2.01 0		ing no			ady programme				
	ID	Course	e name			Study pro	gramme name, study type		
1.	H1403	Autom	ation of wor	rk processes		(H00) Mec	chatronics, Undergraduate Academic Studies		
2.	H310	Compo	onents of te	chnological systems		(H00) Mec	chatronics, Undergraduate Academic Studies		
3.	1401	Tribolo	ogy			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
4.	URZP17	Device	es and syste	ems in fire protection			aster Risk Management and Fire Safety, uate Academic Studies		
5.	URZP40	Statior	nary System	ns for Fire Extinguishing		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
6.	URZP45	Mobile Equipment and Fire Extinguishing Equipment			quipment		isaster Risk Management and Fire Safety, aduate Academic Studies		
7.	II1011	Automation of work processes 1				(I10) Indus Studies	strial Engineering, Undergraduate Academic		
8.	II1038	Automation of work processes 2				(110) Indus Studies	strial Engineering, Undergraduate Academic		
9.	II1050	TRIBOLOGY AND LUBRICATION				(I10) Indus Studies	strial Engineering, Undergraduate Academic		
						(I10) Indus Studies	strial Engineering, Undergraduate Academic		
10.	IM1008	Proces	sses and W	ork Equipment			neering Management, Undergraduate Academic		
11.	IMDS58	Select	ed Chapters	s in Hydraulic Systems			strial Engineering, Specialised Academic Studies		
			P.S.S.	, , ,		(112) Industrial Engineering, Specialised Academic Studies			
12.	IMDS95	Trends	s in Custom	er Relationship Managem	nent	(I22) Engineering Management, Specialised Academic Studies			
13.	ZP507	Desigr Syster		enance of Stationary Fire	Extinguishing	(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
14.	ZP512	Protec	tion and Re	escue Plans		(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
						(112) Indus	strial Engineering, Specialised Academic Studies		
15.	IIDS12	Quality	y and organ	izational performance			neering Management, Specialised Academic		
							strial Engineering, Specialised Academic Studies		
16.	IIDS30	Trends in the environmental management sys			systems	` '	neering Management, Specialised Academic		
17.	IIDS7	Selected topics in quality engineering and logistics			ogistics		strial Engineering, Specialised Academic Studies		
18.	IMDS74	Selected Topics in Quality Management and Logistics		d Logistics		neering Management, Specialised Academic			
19.	IMDR58	Selected Chapters in Hydraulic Systems				(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies			
20.	IMDR94	Trends in the environmental management sys			systems	 Identified Academic Studies (120) Industrial Engineering / Engineering Management, Doctoral Academic Studies 			
21.	IMDR95	Trends	s in Custom	er Relationship Managem	nent	(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies			
<u> </u>									

ASITAS STUDIO

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

acher in the appredited

	Course name								
	Course name Study programme name, study type								
22. IMDR74 S	Selected Topics in Quality Managem	ent and Logistics	(I20) Industrial E Doctoral Academ	anagement,					
23. IMDR79 \$	Selected topics in quality engineering	g and logistics	(I20) Industrial Engineering / Engineering Management Doctoral Academic Studies						
24. IMDR83 (IDR83 Quality abd organisational performance (120) Industrial Engineering / Engineering Management, Doctoral Academic Studies								
Representative refferences (minimum 5, not more than 10)									
 Systems by 	 V. Savić, D. Knežević, D. Lovrec, M. Jocanović, Velibor Karanović: Determination of Pressure Losses in Hydraulic Pipeline Systems by Considering Temperature and Pressuer, Strojšnik Vestnik-Journal of Mechanical Engineering, 2009, Vol. 55, No. 4, str.237-243, UDK: 621.643, ISSn 0039-2480 								
2. monitoring	M. Jocanović, D. Šević, V. Karanović, I. Beker, S. Dudić: Increased efficiency of hydraulic systems through reliability theory and 2. monitoring of system operating parameters, Strojšnik Vestnik-Journal of Mechanical Engineering, 2012, Vol. 58, No. 4, str.281-288, UDK: 621.643, ISSN 0039-2480								
3. REPLACE	Z.Milovanović, D. Knežević, A. Ivanišević, M. Jocanović, S. Mitrović:ECONOMICAL EVALUATION OF THE PROJECT ON REPLACEMENT OF HEATING PLANT WITH CO-GENERATION HEAT AND POWER PLANT BY THE END OF 2030, Metalurgia International, 2013, No4,								
4406/99, N	M. Jocanović, V. Savić, V. Karanović,: MODEL FOR TRANSLATION OF CLASSES OF PURITY OF OILS BETWEEN ISO 4406/99, NAS 1638-01 AND SAE AS 4059: D STANDARDS, 14. Međunarodna naučna konferencija INDUSTRIJSKI SISTEMI - IS''08, Novi Sad: Fakultet tehničkuh nauka - Novi Sad, 2-3 Oktobar, 2008, str. 391- 396, UDK: 685.5 (082), ISBN 978-86-7892- 135-3								
5. ULJNOM N	M. Jocanović; PRILAZ ISTRAŽIVANJU I DEFINISANJU MODELA ZA PRORAČUN PROTICANJA ČVRSTIH ČESTICA SA								
	ić; RAZVOJ INTEGRALNOG MODE sti problematike vezane za izbor i dij								
	ić, D.Babić, V.Karanović, R.Geavert lašinski fakultet univerziteta u Maribo								
8. calculation	V. Savić, V. Karanović, M. Jocanović, D. Knežević: Pressure drop in hydraulic pipeline system - Identification of real basis for calculation of mineral hydraulic oil flow, Fluid Power 2009, str. 133-148, Mašinski fakultet univerziteta u Mariboru, Slovenija: 2009, UDK 621.51/54 (063)(082), ISBN 978-961-248-176-6								
9. TWO'LINE	V. Savić, M. Jocanović, D.Knežević, M.Kraišnik; KINEMATICS OF DISTRIBUTION OF PRESSURE WITHIN PIPELINE OF TWO'LINE SYSTEMS FOR LUBRICATION, VII TH INTERNATIONAL SYMPOSIUM INTERTRIBO 2002, str. 141 – 143, Stara Lesna, Slovak Republic (2002),								
10. TREES FR	V.Savić, M. Jocanović, V. Karanović: BASIC CONSTRUCTION MODEL OF THE SYSTEM FOR PROTECTION OF FRUIT TREES FROM FROST BY ICE PROTECTIVE CRUST, 14. Međunarodna naučna konferencija INDUSTRIJSKI SISTEMI - IS"08, Novi Sad: Fakultet tehničkuh nauka - Novi Sad, 2-3 Oktobar, 2008, str. 129- 134, UDK: 685.5 (082), ISBN 978-86-7892-135-3.								
Summary data fo	or teacher's scientific or art and profe	essional activity:							
Quotation total :		2							
Total of SCI(SSCI)) list papers :	2							
Current projects :		Domestic :	2	International :	0				



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

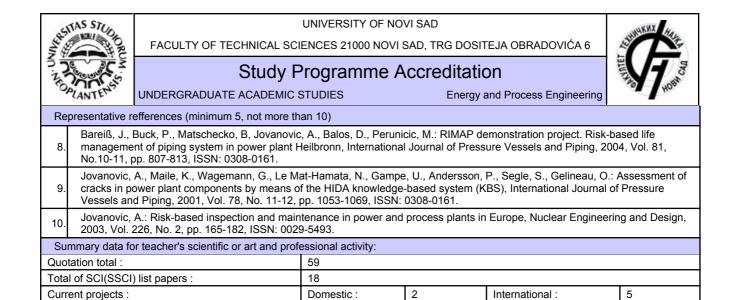


Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Academi Name of starting c Scientific Academi Academi PhD thes Educatio Thesis Magister Bachelor	f the instit date: c or art fie ic carieer ic title ele sis on Specia r thesis r's thesis ourses be	tution where eld: ection: 200 198 ilist 198 198 197	ar 01 36 33 32 77	acher works full time and Institution Faculty of Technical Sci Faculty of Mechanical E Faculty of Mechanical E Faculty of Mechanical E	ences - Novi Sa ngineering - Be	r rgetics and T ad	Thermotechnics Field Thermal Energetics and Thermotechnics		
Name of starting of Scientific Academi Academi PhD thes Educatio Thesis Magister Bachelor List of co	f the instit date: c or art fie ic carieer ic title ele sis on Specia r thesis r's thesis ourses be	eld: • Yea ection: 200 198 Ilist 198 198 197 eing held by	ar 01 36 33 32 77	Institution Faculty of Technical Scie Faculty of Mechanical E Faculty of Mechanical E	- Thermal Ener ences - Novi Sa ngineering - Be	rgetics and T	Field		
starting of Scientific Academi Academi PhD these Educatio Thesis Magister Bachelor List of co	date: c or art fie ic carieer ic title ele sis on Specia r thesis r's thesis ourses be	eld: • Yea ection: 200 198 Ilist 198 198 197 eing held by	ar 01 36 33 32 77	Institution Faculty of Technical Scie Faculty of Mechanical E Faculty of Mechanical E	Thermal Ener ences - Novi Sa ngineering - Be	ad	Field		
Academi Academi PhD thes Educatio Thesis Magister Bachelor List of co	ic carieer ic title ele sis on Specia r thesis r's thesis ourses be	Yea ection: 200 198 Ilist 198 198 197 eing held by	01 36 33 32 77	Faculty of Technical Sci Faculty of Mechanical E Faculty of Mechanical E	ences - Novi Sa ngineering - Be	ad	Field		
Academi PhD thes Educatio Thesis Magister Bachelor List of co	ic title ele sis on Specia r thesis r's thesis ourses be	ection: 200 198 Ilist 198 198 198 197 eing held by	01 36 33 32 77	Faculty of Technical Sci Faculty of Mechanical E Faculty of Mechanical E	ngineering - Be				
PhD thes Educatio Thesis Magister Bachelor List of co	sis on Specia r thesis r's thesis ourses be	198 Ilist 198 198 197 eing held by	36 33 32 77	Faculty of Mechanical E Faculty of Mechanical E	ngineering - Be		Thermal Energetics and Thermotechnics		
Educatio Thesis Magister Bachelor List of co	r thesis r's thesis ourses be	ilist 198 198 197 eing held by	33 32 77	Faculty of Mechanical E		eograd			
Thesis Magister Bachelor List of co	r thesis r's thesis ourses be	198 198 197 eing held by	32 77		ngineering - Be	0	Mechanical Engineering		
Magister Bachelor List of co	r's thesis ourses be	197 eing held by	7	Faculty of Mechanical E		eograd	Mechanical Engineering		
List of co	ourses be	ing held by			ngineering - Be	eograd	Mechanical Engineering		
			the tea	Faculty of Mechanical E	ngineering - Be	eograd	Mechanical Engineering		
ID		Course nam		List of courses being held by the teacher in the accredited study programmes					
		Course nam	ne			Study pro	gramme name, study type		
1.	1079	Modern Ene	ergy Te	echnologies			ergy Management, Master Academic Studies an Energy Technologies, Undergraduate Studies		
2. 1	M3302	Thermoene	ergy Pla	ants		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
3. 1	M3405	5 Thermal Turbines 1				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
4. M	13409A	Modern Energy Technologies				(M30) Ene Academic			
5. 1	M3045	Life cycle optimisation of the energy and preequipment			ocess	(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
6. 1	M3495	Therma Energy Ekuipment				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
7.	1079	Modern Energy Technologies					ergy Management, Master Academic Studies an Energy Technologies, Undergraduate Studies		
8.	1916	Energy Mar	nageme	ent in Industry		(M50) Ene	ergy Management, Master Academic Studies		
9.	1939	Merenje, na	adzor i	upravljanje		(M50) Energy Management, Master Academic Studies			
10. N	M3M04	Risk Manag	gement	:		(ZC0) Clean Energy Technologies, Master Academic Studies			
11. [-	ergy Technologies		(M00) Mechanical Engineering, Doctoral Academic Studies			
12. C	DIVI308 I	Optimization Equipment	n ot Op	peration Life of Energy an	a Process	(M00) Meo	chanical Engineering, Doctoral Academic Studies		
13. E		Expert Syst	tems			(M00) Mechanical Engineering, Doctoral Academic Studies			
14. C	DM316	Risk Techno	ologies	;		(M00) Mechanical Engineering, Doctoral Academic Studies			
15. E	DM332	Energy Mar	nageme	ent in Buildings		(M00) Med	chanical Engineering, Doctoral Academic Studies		
Repres	sentative i	refferences	(minim	um 5, not more than 10)					
1. In	nternation		October				tructural Safety Assessment: Proceedings of an ering), vol. 53, Springer-Verlag, 1989, p. 493,		
				röter, R.: Social Unrest, C 64-17345-3.	DECD Reviews	of Risk Mar	nagement Policies, OECD Publishing, Paris,		
	Filipovic N. Iovanovic A. Petrovic D. Obradovic M. Iovanovic S. Balos D. Kojic M. Modelling of self-bealing materials								
				eg-Risk project: concept a 516, ISSN: 1366-9877.	and first results	s, Journal of	Risk Research, 2012, DOI:		
				rch for the 'European way ch, 2012, DOI:10.1080/13			v technologies: the EU research project iNTeg- SN: 1366-9877.		
				ng with risk-risk interdepe Research, 2012, DOI:10			elation to development and use of new 528., ISSN: 1366-9877.		
				IMAP project and its delivol. No. 10-11, pp. 815			er plants, International Journal of Pressure		





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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name: Jović Đ. Mio								
	emic title:	anio.			Foreign Language Lecturer			
		itution v	where the te	acher works full time and				
-	ng date:				01.09.2001			
Scier	ntific or art f	ield:			German			
Academic carieer Year Institution				Institution			Field	
Academic title election: 2005					German			
Bachelor's thesis 1973							German	
List of courses being held by the teacher in the accredited study prog			udy programme	s				
	ID	Course	e name			Study pro	gramme name, study type	
1.	F331	Germa	an Languag	e – LSP Course 2		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(A00) Arch	nitecture, Undergraduate Academic Studies	
							nic Architecture, Technique and Design, uate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2.	NJ01Z	NJ01Z German Language – Elementary				(Z01) Safety at Work, Undergraduate Academic Studies		
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(G00) Civil Engineering, Undergraduate Academic Studies		
						chanization and Construction Engineering, uate Academic Studies		
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
							chnical Mechanics and Technical Design, uate Academic Studies	
	NUOO	0		- Des lateres d'ata		(P00) Prod Studies	duction Engineering, Undergraduate Academic	
3.	NJ02L	Germa	German Language – Pre-Intermediate				fic and Transport Engineering, Undergraduate Studies	
							tal Traffic and Telecommunications, uate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
							aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Environmental Engineering, Undergraduate Academic Studies		
4.	NJ05	Germa	an Languag	e for GRID 1		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
5.	NJ06	Germa	an Languag	e for GRID 2		(F00) Graphic Engineering and Design, Undergraduate Academic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study programme name, study type						
				(E20) Computing and Control Engineering, Undergraduate Academic Studies						
				(F10) Engineering Animation, Undergraduate Academic Studies						
6.	NJ1L	German Language - Elementary		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies						
				(SE0) Software Engineering and Information Technologies Undergraduate Academic Studies						
				(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies						
7.	SSIP22	German Language for Engineers 1		(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies						
8.	NJ01Z	Nemački jezik - osnovni(uneti naziv	na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies						
9.	NJ02L	Nemački jezik - niži srednji(uneti naz	ziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies						
10.	F508	German Language for GRID 3		(F00) Graphic Engineering and Design, Master Academic Studies						
11.	nja	German Language in Architecture		(AH0) Architecture, Master Academic Studies						
Representative refferences (minimum 5, not more than 10)										
Summary data for teacher's scientific or art and professional activity:										
Quot	ation total :									
Total	of SCI(SSC	CI) list papers :								
Curre	ent projects	:	Domestic :	International :						



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	e and last n	ame:			Juhas T. Anamarija			
	emic title:				Assistant Professor			
Name of the institution where the teacher works full time and								
-	ng date:				01.11.1990			
Scier	ntific or art f	ield:			Theoretical E	lectrotechni	cs	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	lection:	2010	Faculty of Technical Sci	ences - Novi S	ad	Theoretical Electrotechnics	
PhD	thesis		2009	Faculty of Technical Sci	ences - Novi S	ad	Electrical and Computer Engineering	
Magi	ster thesis		1994	School of Electrical Eng	ineering - Beog	rad	Electrical and Computer Engineering	
Bach	elor's thesis	S	1990	Faculty of Technical Sci	ences - Novi S	ad	Electrical and Computer 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.	EE300	Electro	omagnetics			Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
2.	EOS01	Funda	mental elec	trical engineering		Energy, Ur	ver Engineering - Renewble Sources of Electrical indergraduate Professional Studies	
3.	1087	Electri	cal Enginee	ering in Industrial Engineer	ring	Studies	desy and Geomatics, Undergraduate Academic	
						Undergrad	chanization and Construction Engineering, uate Academic Studies	
		Electrical Engineering and Electric Machine				Academic		
4.	M112				S	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies(P00) Production Engineering, Undergraduate Academic Studies		
					Academi		ffic and Transport Engineering, Undergraduate Studies	
						Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
5.	Z107	Electri	cal Enginee	ering, Environment and Pr	otection	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
6.	ll1007	Funda	montal aloc	trical engineering		(I10) Indus Studies	strial Engineering, Undergraduate Academic	
0.	111007	Tunua				(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
7.	URZP12	Introdu	uction to ele	ectrical engineering		Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
8.	DE208S	Select	ed Chapter	s on Electromagnetic Con	npatibility	Èngineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
9.	DE408S	Select	ed chapters	s inl electromagnetics		Èngineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
10.	EE543		Magnetic			Èngineerin	er, Electronic and Telecommunication g, Master Academic Studies	
11.	H799	Fieldbu	uses and pi	rotocols		· /	chatronics, Master Academic Studies	
12.	DE208	Select	ed Chapter	s on Electromagnetic Con	npatibility	Èngineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies	
13.	DE408		•	s in Electromagnetics			ver, Electronic and Telecommunication g, Doctoral Academic Studies	
Rep				num 5, not more than 10)				
1.	IEEE Tra	nsactior	ns of Microv	vave Theory and Techniq	ues, vol. 57, no	. 6, pp. 162	plifier based upon a finite number of harmonics"," 3-1625, June 2009. ISSN 0018-9480.	
2.	2. A. Juhas, L. A. Novak, S. Kostić, "Signals with Flattened Extrema in Balance Power Analysis of HFHPTA: Theory and Applications", IEEE Transactions on Broadcasting, vol. 47, no. 1, pp.38-45, 2001. ISSN 0018-9316							
3.				has, "Increasing Efficienc ng, vol. 47, no. 1, pp.32-37			HPTA by Injection of Two Harmonics", IEEE	

ASTAS STUD ORUM			UNIVERSITY OF NO	VI SAD		NUKNX W			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
		Study F	Study Programme Accreditation						
.01	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Energy	and Process Engineering	HO			
Representative refferences (minimum 5, not more than 10)									
4.		A. Juhas, M. Milutinov,." A design c ctronics and Energetics, 2009, Vol. 2				universitatis -			
5.	L. A. Noval pp. E7-E10	k, A. Juhas, "O broju maksimuma u), 1994.	dvočlanim složenoper	iodičnim funkcijar	na: krive katastrofa", Elekt	rotehnika, br. 1-2,			
6.		 Milutinov, M. Prša, "Magnetic field Proceedings of the 7th Int. Power S 							
7.		v, A. Juhas, M. Prša, "Electric and r js of the 2nd Int.I Conf. on Modern F -3323.							
8.	,	/I. Milutinov, N. Pekarić-Nađ, "Iskust 0-77, 2011. ISSN 1820-7782	tva u primeni nacional	nih pravilnika o ne	ejonizujućim zračenjima", T	elekomunikacije,			
9.	A. Juhas, M. Milutinov, D. Herceg, M. Prša, N. Pekarić-Nađ, "Uređaj za generisanje homogenog magnetskog polja kontrolisanog intenziteta za potrebe biomagnetskih ekspreimenata", Tehničko rešenje, decembar 2010.								
10.	A. Juhas, N. Pekarić-Nađ, D. Herceg, "Estimation of Human Exposure to Combined RF EM Field of Multiple Antennas," Proceedings of International PhD Seminar on computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 Sep., 2010, pp. 27-31, ISBN 978-954-438-856-0								
Summary data for teacher's scientific or art and professional activity:									
	tation total :		5						
Tota	I of SCI(SSCI ent projects :) list papers :	3		International :	0			
-			Domestic :	11					

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Non	o and last -	omc:			Kotić M. Marina				
	Name and last name: Academic title:					Katić M. Marina			
						Lecturer Faculty of Technical Sciences - Novi Sad			
-	Name of the institution where the teacher works full time and starting date:					annical Scle			
	Scientific or art field:								
	emic carie		Year	Institution	English		Field		
	emic title el		2010	Faculty of Technical Sci	ences - Novi Si	he	English		
	er's thesis		2009	Faculty of Philology - Be		~~	English		
	ster thesis		2006	Faculty of Philology - Be	0		Engineering Management		
	elor's thesis	5	1987	Faculty of Philosophy - I	•		English		
				acher in the accredited stu		S			
	ID		e name				gramme name, study type		
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arch	nitecture, Undergraduate Academic Studies		
2.	AEJ2L	Englis	h Language	e intermediate		(A00) Arcl	nitecture, Undergraduate Academic Studies		
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arch	nitecture, Undergraduate Academic Studies		
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies		
						(G00) Civil Engineering, Undergraduate Academic Studies			
	EJ01L	English Language – Elementary				(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies			
						(M30) Energy and Process Engineering, Undergraduate Academic Studies			
5.						(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies(P00) Production Engineering, Undergraduate Academic Studies			
						(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies			
							ver, Electronic and Telecommunication g, Undergraduate Academic Studies		
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies		
							asurement and Control Engineering, uate Academic Studies		
6.	EJ01Z	Englis	h Language	e - Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
						(Z20) Environmental Engineering, Undergraduate Academic Studies			

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study programmes								
	ID	Course name	Study programme name, study type					
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies					
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies					
7.	EJ02L	English Language – Pre-Intermediate	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies					
			(Z01) Safety at Work, Undergraduate Academic Studies					
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies					
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies					
			(Z20) Environmental Engineering, Undergraduate Academic Studies					
			(I10) Industrial Engineering, Undergraduate Academic Studies					
	E 1007		(I20) Engineering Management, Undergraduate Academic Studies					
8.	EJ02Z	English Language – Pre-Intermediate	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies					
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies					
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies					
		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies						
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies					
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
			(Z20) Environmental Engineering, Undergraduate Academic Studies					
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies					
			(Z01) Safety at Work, Undergraduate Academic Studies					
10.	EJ04L	English Language – Upper Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
			(Z20) Environmental Engineering, Undergraduate Acade Studies					
			(E20) Computing and Control Engineering, Undergraduate Academic Studies					
			(ES0) Power Software Engineering, Undergraduate Academic Studies					
			(F10) Engineering Animation, Undergraduate Academic Studies					
11.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies					
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					
			(AH0) Architecture, Master Academic Studies					

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

List o	ist of courses being held by the teacher in the accredited study programmes							
	ID	Course name	Study programme name, study type					
			(E20) Computing and Control Engineering, Undergraduate Academic Studies					
			(F10) Engineering Animation, Undergraduate Academic Studies					
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies					
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					
			(E20) Computing and Control Engineering, Undergraduate Academic Studies					
			(ES0) Power Software Engineering, Undergraduate Academic Studies					
			(F10) Engineering Animation, Undergraduate Academic Studies					
13.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies					
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
			(SEL) Software Engineering and Information Technologic Loznica, Undergraduate Academic Studies					
			(AH0) Architecture, Master Academic Studies					
		English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies					
			(F10) Engineering Animation, Undergraduate Academic Studies					
14.	EJ3L		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies					
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies					
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies					
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies					
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies					
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies					
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies					
23.	EJM	English Language – ESP Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies					
	20101		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies					
			(P00) Production Engineering, Undergraduate Academic Studies					
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies					

EJSIT

25.

English Language in Traffic and Transport

(S00) Traffic and Transport Engineering, Undergraduate

Academic Studies

HATTAS STUDIORUM

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

of courses being held by the teacher in the accredited study programme

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



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Energy and Process Engineering

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Representative refferences (minimum 5, not more than 10) Marina Katić, Kostadin Pušara, "Standardization of E-Commerce Terminology", Annals of the Faculty of Engineering Hunedoara, 1 Vol.III, Part 2, 2005, ISSN 1584-2665, Edition Mirton, Timisoara (Romania), pp.31-36. M.Katić, "O tehnikama prevođenja nekih engleskih termina energetske elektronike", 11th International Symposium on Power 2 Electronics - Ee 2001, Novi Sad, Oct.-Nov.2001, pp.154-157. M.Katić, "Terminology of E-Commerce", 7th International Symposium on Interdisciplinary Regional Research - ISIRR 2003, 3 Hunedoara (Romania), Sept. 2003, CD-ROM - Paper 0104. M.Katić, "Key Terms of Business Environment", PSU-UNS Int. Conference Energy and Environment, Hat Yai (Thailand), Dec. 4 2003, Marina Katić, Kostadin Pušara, "Need for E-Commerce Term Standardization and Harmonization", Western Business & 5 Management Conference 2004, Las Vegas (USA), Oct.2004, CD ROM. Marina Katić, Kostadin Pušara, "Standardization of E-Commerce Terminology", VIII International Symposium on Interdisciplinary 6 Regional Research - ISSIR 2005, Szeged (Hungary), 19-21. 04. 2005., University of Szeged, CD ROM. M.Katić, "Deregulacija u elektroprivredi sa aspekta tumačenja i prevođenja engleskih termina na srpski jezik", III Jugoslovensko 7 savetovanje o elektrodistributivnim mrežama, JUKO-CIRED, Vrnjačka Banja, Okt. 2002, Sveska 4, P-7.04, pp.153-158, (knjiga i CD ROM) M.Katić, "Engleski jezik u službi međunarodnog menadžmenta", XII međunarodna konferencija Industrijski sistemi – IS 2002, 8 Vrnjačka Banja, Nov. 2002, pp.146-151 M.Katić, "Anglicizmi u jeziku tehnike", XLVII Konferencija ETRAN, Herceg Novi, Jun 2003, CD-ROM i knjiga, Sveska 3, pp. 241-9 244 M.Katić, K.Pušara, "Zašto je potrebna standardizacija termina elektronske trgovine", XLIX Konferencija za ETRAN, Budva, 05.-10. 10 06. 2005., Zbornik radova, CD-ROM i knjiga, Sveska 3, pp.238-241. Summary data for teacher's scientific or art and professional activity: Quotation total 0 Total of SCI(SSCI) list papers : 0 0 Current projects Domestic : 0 International :



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Academic title: Full Professor Name of the institution where the teacher works full time and faculty of Technical Sciences - Novi Sad Graphic Engineering and Design Academic catefact Year Institution Field Academic Studies 1997 Faculty of Technology - Noxi Sad Physical Chemistry Science Bachelor's thesis 1974 Faculty of Technology - Noxi Sad Chemist Science List of courses head by the teacher in the accredited study programme name, study type 1. F103 Chemistry in Graphic Engineering (F00) Graphic Engineering and Design, Underg Academic Studies 2. F302 Chemistry in Graphic Engineering (Z20) Environmental Engineering, Undergraduat 3. Z102 Technical Engineer	Nam	e and last n	ame.			Kiurski S. Jelena			
Name of the institution where the teacher works full time and starting date: Faculty of Technical Sciences - Novi Sad 01.12.2001 Scientific or art field: Graphic Engineering and Design Academic title election: 2011 Faculty of Technical Sciences - Novi Sad Graphic Engineering and Design Academic title election: 2011 Phot thesis 1997 Faculty of Technology - Novi Sad Physical Chemistry Science Bachelor's thesis 1974 Faculty of Technology - Novi Sad Chemist Science Bachelor's thesis 1974 F100 Course name Study programme name, study type 1. F103 Chemistry in Graphic Engineering (F20) Graphic Engineering and Design, Underg 3. Z102 Technical Chemistry Cargine Engineering and Design, Undergraduat 3. Z102 Technical Chemistry (Z20) Environmental Engineering. (M20) Mechanization and Construction Engineering. 6. Z151 Chemistry in Mechanical Engineering (Z01) Fearing thechanics and Technical Desi 9. F400 Chemistry in Mechanical Engineering (Z01) Safety at Work, Undergraduate Academic <t< td=""><td colspan="5">Name and last name: Academic title:</td><td colspan="4"></td></t<>	Name and last name: Academic title:								
starting date: 01.12.2001 Scientific or art field: Graphic Engineering and Design Academic carieer Year Institution Field Academic title dector: 2011 Faculty of Technology - Novi Sad Chaphic Engineering and Design PhD thesis 1997 Faculty of Technology - Novi Sad Physical Chemistry Science Bachelor's thesis 1991 Faculty of Technology - Novi Sad Chemist Science List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1. F103 Chemistry in Graphic Engineering (F00) Graphic Engineering and Design, Underg Academic Studies 2. F302 Chemistry in Graphic Engineering (Z20) Environmental Engineering. Undergradual 3. Z102 Technical Chemistry (Z20) Environmental Engineering. Undergradual Studies (M40) Technical Nuders 4. Z109 Chemistry in Mechanical Engineering (M40) Technical Mechanics and Technical Design. 5. Z151 Chemistry in Engineering (Z20) Safety at Work, Undergraduate Academic Studies 7. Z155 Chemistry i									
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Academic title election: 2011 Faculty of Technical Sciences - Novi Sad Graphic Engineering and Design PhD thesis 1997 Faculty of Technicaly - Novi Sad Physical Chemistry Science Bachelor's thesis 1914 Faculty of Technicaly - Novi Sad Physical Chemistry Science Bachelor's thesis 1974 Faculty of Technology - Novi Sad Chemist Science List of courses being held by the teacher in the accredited study programmes (Fo0) Graphic Engineering and Design, Underg Academic Studies 2 F302 Chemistry in Graphic Engineering (F00) Graphic Engineering and Design, Underg Academic Studies 3 Z102 Technical Chemistry (Z20) Environmental Engineering, Undergradual Studies 4 Z108 Chemical Principles in Environmental Engineering (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies 5. Z151 Chemistry in Mechanical Engineering (Z01) Safety at Work. Undergraduate Academic Studies 6. Z153 Chemistry in Engineering (Z01) Safety at Work. Undergraduate Academic Studies 7. Z156 Chemical Principles in Engineering (Z01) Safety at Work. Undergraduate Academic Studies 8. Z000	Scientific or art field:					Graphic Engi	neering and	Design	
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Bachelor's thesis 1974 Faculty of Technology - Novi Sad Chemist Science List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1 F103 Chemistry in Graphic Engineering (F00) Graphic Engineering and Design, Underg Academic Studies 2 F302 Chemistry in Graphic Engineering (F00) Graphic Engineering and Design, Underg Academic Studies 3 Z102 Technical Chemistry (Z20) Environmental Engineering, Undergraduat Studies 4 Z109 Chemical Principles in Environmental Engineering (M20) Mechanization and Construction Engineering, Undergraduat Studies 5 Z151 Chemistry in Mechanical Engineering (M40) Mechanization and Construction Engineering, Undergraduate Academic Studies 6 Z153 Chemistry in Engineering (Z01) Safetry at Work, Undergraduate Academic Studies 7 Z155 Chemical Principles in Engineering (Z01) Safetry at Work, Undergraduate Academic Studies 8 Z600 Chemical Principles in Engineering (Z01) Safetry at Work, Undergraduate Academic Studies 9 F409 Graphic Environment (F00) Graphic Engineering and Design, Master Studies </td <td>Magi</td> <td>ster thesis</td> <td></td> <td>1981</td> <td>Faculty of Technology -</td> <td>Novi Sad</td> <td></td> <td>Physical Chemistry Science</td>	Magi	ster thesis		1981	Faculty of Technology -	Novi Sad		Physical Chemistry Science	
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1. PT03 Chemistry in Graphic Engineering Academic Studies 2. F302 Chemigraphy (F00) Graphic Engineering and Design, Underg Academic Studies 3. Z102 Technical Chemistry (Z20) Environmental Engineering, Undergradual Studies 4. Z109 Chemical Principles in Environmental Engineering (M20) Mechanization and Construction Engineering, Undergraduat Studies 5. Z151 Chemistry in Mechanical Engineering (M40) Technical Mechanics and Technical Desi Undergraduate Academic Studies 6. Z153 Chemistry in Engineering (Z01) Safety at Work, Undergraduate Academic Studies 7. Z155 Chemical Principles in Engineering (Z01) Safety at Work, Undergraduate Academic Studies 8. Z600 Chemical Phenomena in Engineering (Z01) Safety at Work, Undergraduate Academic Studies 9. F409 Graphic Environment (F00) Graphic Engineering and Design, Master Studies 10. FDS12 Selected Chapters in Chemistry (F00) Graphic Engineering and Design, Master Studies 11. Janjić, LiConkić, J.Kiurski, "Nonflame Atomic Fluorescence as a Method for Mercury Traces Determination", Water Research, 235 (1994) Jularits, J.Kiurski, J.Benak, "A Method for Arsenic Level Determination an Device for Arsenic Elimination Drinking Water", Water Researc		ID	Course	e name			Study pro	gramme name, study type	
2 F302 Chemigraphy Academic Studies 3 Z102 Technical Chemistry (Z20) Environmental Engineering, Undergraduat Studies 4. Z109 Chemical Principles in Environmental Engineering (Z20) Environmental Engineering, Undergraduat Studies 5. Z151 Chemistry in Mechanical Engineering (M40) Technical Mechanics and Technical Desi Undergraduate Academic Studies 5. Z151 Chemistry in Mechanical Engineering (M40) Technical Mechanics and Technical Desi Undergraduate Academic Studies 6. Z153 Chemistry in Engineering (Z01) Safety at Work, Undergraduate Academic Studies 7. Z155 Chemical Principles in Engineering (Z01) Safety at Work, Undergraduate Academic Studies 8. Z600 Chemical Phenomena in Engineering (Z01) Safety at Work, Undergraduate Academic Studies 9. F409 Graphic Environment (F00) Graphic Engineering and Design, Master Studies 10. FDS12 Selected Chapters in Chemistry (F00) Graphic Engineering and Design, Doctore Studies 11. JJanjić, J, Kiurski, J, Benak, "A Method for Arsenic Level Determination an a Device for Arsenic Elimination Drinking Water", Water Research, 31(3), 419-428 (1997) J. Junijć, L, Conkić, J, Kiurski, J, Henak, "A Method for Arsenic Level Determination an a Device for Arse	1.	F103	Chemi	stry in Gra	phic Engineering				
3. 2102 Technical Chemistry Studies Studies 4. Z109 Chemical Principles in Environmental Engineering (220) Environmental Engineering, Undergraduate Academic Studies 5. Z151 Chemistry in Mechanical Engineering (M40) Technical Mechanics and Technical Desi Undergraduate Academic Studies 5. Z151 Chemistry in Mechanical Engineering (M40) Technical Mechanics and Technical Desi Undergraduate Academic Studies 6. Z153 Chemistry in Engineering (Z10) Safety at Work, Undergraduate Academic Studies 7. Z155 Chemical Principles in Engineering (Z10) Safety at Work, Undergraduate Academic Studies 8. Z600 Chemical Phenomena in Engineering (Z10) Safety at Work, Undergraduate Academic Studies 9. F409 Graphic Environment (F00) Graphic Engineering and Design, Master Studies 10. FDS12 Selected Chapters in Chemistry (F00) Graphic Engineering and Design, Doctore Studies 7. J.Janjić, L, Kurski, J.Benak, "A Method for Arsenic Level Determination an a Device for Arsenic Elimination Drinking Water", Water Research, 31(3), 419-428 (1997) 3. J.Kurski, D.G.Narinović-Neducin, E.Kiš, "Spinel-Type Structure of Co in Conditions of HDS Catalysts Af Polyhedron, 18(5), 741-747 (1999) 4. J.S.Kursk	2.	F302	Chemi	graphy					
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5. Z151 Chemistry in Mechanical Engineering Undergraduate Academic Studies 5. Z151 Chemistry in Mechanical Engineering (M40) Technical Mechanics and Technical Desi Undergraduate Academic Studies 6. Z153 Chemistry in Engineering (Z0) Production Engineering, Undergraduate A Studies 7. Z155 Chemistry in Engineering (Z01) Safety at Work, Undergraduate Academic Studies 8. Z600 Chemical Principles in Engineering (Z01) Safety at Work, Undergraduate Academic Studies 9. F409 Graphic Environment (F00) Graphic Engineering and Design, Master Studies 10. FDS12 Selected Chapters in Chemistry (F00) Graphic Engineering and Design, Doctore Studies 11. J.Janjić, J.Kiurski, "Nonflame Atomic Fluorescence as a Method for Mercury Traces Determination", Water Research, 225 (1994) 2 J.Janjić, Lj.Čonkić, J.Kiurski, J.Benak, "A Method for Arsenic Level Determination an a Device for Arsenic Elimination Drinking Water", Water Research, 31(3), 419-428 (1997) 3 J.Kiurski, D.Ž Obadović, R.Marinković-Nedučin, E.Kiš, "Spinel-Type Structure of Co in Conditions of HDS Catalysts Ag Polyhedron, 18(5), 741-747 (1999) 3 J.Kiurski, J.G. Ranogajec, AL. Ujhelji, M.M.Radeka, M.T.Bokorov, "Evaluation of the effect of lichen so ceramic roo scanning electron microscopy and energy-dispersive spectroscopy analyses". Scanning,	4.	Z109	Chemi	cal Principl	es in Environmental Engir	neering	Studies	ronmental Engineering, Undergraduate Academic	
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9. React.Kinet.Catal.Lett., Vol.84,No.2, 359-366 (2005)	9.	JS Kiursł	ki, DŽ Ol	badović, El	E Kiš, RP Marinković-Nedu	· · /	c states of N	In(II) in the kaolinite nanostructure",	

UNIVERSITY OF NOVI SAD WIVERSITY OF NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering WIDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering Representative refferences (minimum 5, not more than 10) 10. R.D.Mićić, R.P. Marinković-Nedučin, Z.Schay, I.Nagy, J.S. Kiurski, E.E.Kiss, «Influence of the activation temperature on structural and textural properties of NiMo/Al2O3 hydrodesulfurization catalysts», React.Kinet.Catal.Lett. 91(1), 85-92 (2007) Summary data for teacher's scientific or art and professional activity: Quotation total : 54 Total of SCI(SSCI) list papers :

1

International :

1

Domestic :

Current projects :



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nor	o and least -	amo:			Kostić Z. Marko				
Name and last name: Academic title:					Kostic Z. Marko Associate Professor				
	Name of the institution where the teacher works full time and								
	ing date:			acher works full time and	15.10.1999				
	ntific or art f	ield:			Mathematics				
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic title e	lection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics		
	thesis		2004	Faculty of Sciences - No			Mathematical Sciences		
Magi	ister thesis		2001	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Bach	elor's thesis	s	1999	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	E121	Mathe	matical Ana	Ilysis 2			er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	E135B	Mathe	matical Ana	Ilysis 2			desy and Geomatics, Undergraduate Academic		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
3.	E212	Mathe	Mathematical Analysis 1			Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
4.	EOS07	Mathe	matics 2			Ènergy, Ur	ver Engineering - Renewble Sources of Electrical adergraduate Professional Studies		
5.	F101	Mathematics				(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
6.	GI107	Mathematical Analysis 1				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies			
7.	M106	Mathematics 2				 (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 			
						(P00) Production Engineering, Undergraduate Academic Studies			
8.	M4202	Applie	d Mathema	tical Analysis		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
9.	ISIT06	Matem	natika 2			Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
10.	0M501	Functi	onal Analys	is		Studies	thematics in Engineering, Master Academic		
11.	0ML501	Functi	onal Analys	is		(OM1) Mathematics in Engineering, Master Academic Studies			
						Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
	DZOLLO			- in Made and th		(112) Industrial Engineering, Specialised Academic Studies			
12.	DZ01MS	Selected Chapters in Mathematics				(I22) Engineering Management, Specialised Academic Studies			
						(Z00) Envi Studies	ironmental Engineering, Specialised Academic		
13.	Z506	20BAc	lvanced Co	urse in Mathematics 1		(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies			
						(Z20) Environmental Engineering, Master Academic Studies			
14.	Z506	Viši ku	irs matemat	ike 1(uneti naziv na engle	eskom)	, ,	ronmental Engineering, Master Academic Studies		
15.	D0M01	Functional Analysis 1				(OM1) Ma Studies	thematics in Engineering, Doctoral Academic		





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

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

List o	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study programme name, study type				
16.	D0M19	Functional Analysis 2		(OM1) Mathematics in Engineering, Doctoral Academic Studies				
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies				
				(E20) Computing and Control Engineering, Doctoral Academic Studies				
				(F00) Graphic Engineering and Design, Doctoral Academi Studies				
			(F20) Engineering Animation, Doctoral Academic Studies					
				(G00) Civil Engineering, Doctoral Academic Studies				
				(GI0) Geodesy and Geomatics, Doctoral Academic Studie				
17.		Selected Chanters in Mathematics		(H00) Mechatronics, Doctoral Academic Studies				
17.	DZ01M	Selected Chapters in Mathematics		(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
				(M00) Mechanical Engineering, Doctoral Academic Studie				
				(M40) Technical Mechanics, Doctoral Academic Studies				
				(OM1) Mathematics in Engineering, Doctoral Academic Studies				
				(S00) Traffic Engineering, Doctoral Academic Studies				
				(Z00) Environmental Engineering, Doctoral Academic Studies				
				(Z01) Safety at Work, Doctoral Academic Studies				
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.	Kostić, M	larko, Distribution cosine functions. Ta	aiwanese J. Math. 10 (2006), no. 3, 739775.				
2.	Kostić M	larko,On analytic integrated semigrou	ps. Novi Sad J. Math.	35 (2005), no. 1, 127135.				
3.	Kostić M (2003), 7		s and convoluted \$C\$	-semigroups. Bull. Cl. Sci. Math. Nat. Sci. Math. No. 28				
4.	Kostić Ma	arko, On a class of quasi-distribution s	emigroups, Novi Sad	J. Math 36 (2), 137-152				
5.		, P. J. Miana, Relations between distr f Mathematics 11 (2007), 531543.	ibution cosine functior	as and almost-distribution cosine functions, Taiwanese				
6.	M. Kostić	, S. Pilipović, Global convoluted semi	groups, accepted in M	ath. Nachr.				
7.	M Kostić S Pilipović: Convoluted C-cosine functions and semigroups Palations with ultradistribution and hyperfunction sines							
8.								
9.		: C-Distribution semigroups, Studia M						
10.			. ,	ns, accepted in Kragujevac Journal of Mathematics				
		for teacher's scientific or art and profe	3.					
	ation total :		32					
Tota	of SCI(SS	CI) list papers :	15					
Curre	ent projects	· · · · · · · · · · · · · · · · · · ·	Domestic :	1 International : 0				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	Name and last name: Kovačić N. Ivana							
					Associate Professor			
Name of the institution where the teacher works full time and F						culty of Technical Sciences - Novi Sad		
starting date:					, ,	21.05.1998		
					Mechanics			
	emic caries		Year	Institution			Field	
	emic title el		2009	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics	
	thesis		2002	Faculty of Technical Sci			Mechanics	
Magi	ster thesis		1999	Faculty of Technical Sci			Mechanics	
	elor's thesis	S	1995	Faculty of Technical Sci			Mechanics	
List o	of courses b	eing he	Id by the te	acher in the accredited stu				
	ID	Course	e name			Study pro	gramme name, study type	
1.	F107	Techn	ical Mechar	nics		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2.	GG14	Mecha	anics 2			(G00) Civi	I Engineering, Undergraduate Academic Studies	
						· · ·	chanization and Construction Engineering, uate Academic Studies	
2	M402	Mach	nice 1			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
3.	M103	Mechanics 1					chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
4.	M107	Mecha	nice 2			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	WITO7					(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
5.	M201	Mechanics 3				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
0.	101201						chnical Mechanics and Technical Design, uate Academic Studies	
						Studies	duction Engineering, Undergraduate Academic	
6.	M44071	Noise,	Vibration a	nd Design			nnical Mechanics and Technical Design, uate Academic Studies	
							chanical Engineering, Doctoral Academic Studies	
7.	DM401	Selected chapters in Analytical Mechanics			. ,	chnical Mechanics, Doctoral Academic Studies		
						(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
8.	DM408	Nonlin	erar Oscilla	itions		. ,	chanical Engineering, Doctoral Academic Studies chnical Mechanics, Doctoral Academic Studies	
9.	DZ003	Select	ed Chapter	s in Mechanics		(M00) Me	chanical Engineering, Doctoral Academic Studies	
10.	FDS143	Select	ed Chapter	s in Technical Mechanics		(F00) Gra Studies	phic Engineering and Design, Doctoral Academic	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.			•		nih oscilacija. F	akultet tehr	ničkih nauka, Novi Sad, 2002	
2.				procesu rezanja, Fakultet t				
3.							kultet tehničkih nauka, Novi Sad, 2006.	
4.		senin za	aualaka iz S	otatike II, ⊏ülcija"Tenničke	kiijige-udzben	U 120, Fa	akultet tehničkih nauka, Novi Sad, 2006.	

HAS STUDIORUM			UNIVERSITY OF NO	VI SAD		JUKNX L				
		FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
		Study Programme Accreditation								
·0	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	A HOS				
Re	Representative refferences (minimum 5, not more than 10)									
5.	5. Cveticanin, L., Kovacic, I., Parametrically excited vibrations of the oscillator with strong cubic negative noin-linearity, Journal of Sound and Vibration, 2007, Vol. 304, No 1-2, pp. 201-212.									
6.	Kovacic I., <i>I</i> 40, No 3, p	Adiabatic invariants of some time-door 455-470.	ependent oscillators, J	lournal of Physics	A: Mathematical and Gene	eral, 2007, Vol.				
7.	7. Cveticanin, L., Kovacic, I., On the dynamics of bodies with continual mass variation, Journal of Applied Mechanics- TRANSACTIONS OF THE ASME, 2007, Vol. 74, pp. 810-815.									
8.	Kovacic I., Adiabatic invariants of oscilltors with one degree of freedom, Journal of Sound and Vibration, 2007, Vol. 300, No 3-5, pp. 695-708.									
9.	Kovacic I., Conservation laws of two coupled non-linear oscillators, International Journal of Non-Linear Mechanics, 2006, Vol. 41, No. 5, pp 751-760.									
10.	Kovacic, I., Analysis of a weakly non-linear autonomous oscillator by means of the field method, International Journal of Nonlinear Mechanics, 2005, Vol. 40. No 5, pp 775-784.									
Su	Summary data for teacher's scientific or art and professional activity:									
Quot	tation total :		181							
Tota	I of SCI(SSCI)	list papers :	39	-	-					
Curr	ent projects :		Domestic :	2	International :	1				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	ame and last name: K			Kozmidis-Pet					
				Full Professor					
			Faculty of Technical Sciences - Novi Sad						
			01.09.1975						
Scier	ntific or art f	ield:			Physics				
Acad	lemic carie	er	Year	Institution			Field		
Acad	lemic title e	lection:	1997	Faculty of Technical Sci	ences - Novi Sa	ad	Physics		
PhD	thesis		1984	Faculty of Sciences - No			Physics		
Magi	ster thesis		1980	Faculty of Mathematics	- Beograd		Physical Science		
	elor's thesis	s	1972	Faculty of Sciences - No	ovi Sad		Physical Science		
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		
						· · ·	ver, Electronic and Telecommunication g, Undergraduate Academic Studies		
1.	E103	Physic	S			Ū	asurement and Control Engineering,		
					uate Academic Studies				
2.	GG06	Civil Engineering Physics				(G00) Civi	Civil Engineering, Undergraduate Academic Studies		
							chanization and Construction Engineering, uate Academic Studies		
		1 Technical Physics			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies			
3.	M101					chnical Mechanics and Technical Design, uate Academic Studies			
						(P00)Proo Studies	duction Engineering, Undergraduate Academic		
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
4.	ZR440	Influen	ce of radia	ion on health and occupa	tional safety	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
5.	ZC008	Technical physics				(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
							ver, Electronic and Telecommunication g, Specialised Academic Studies		
						(112) Indus	strial Engineering, Specialised Academic Studies		
6.	DZ01FS	Select	ed Chapter	s in Physics		(I22) Engi Studies	neering Management, Specialised Academic		
						(Z00) Env Studies	ironmental Engineering, Specialised Academic		
7.	SZD017	Solid N	Aaterials in	the Environment		(Z00) Env Studies	ironmental Engineering, Specialised Academic		

UNIVERSITY OF NOVI SA	D
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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List	List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study progra			

	ID	Course name		Study programme name, study type
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
				(E20) Computing and Control Engineering, Doctoral Academic Studies
				(F00) Graphic Engineering and Design, Doctoral Academic Studies
				(G00) Civil Engineering, Doctoral Academic Studies
				(GI0) Geodesy and Geomatics, Doctoral Academic Studies
				(H00) Mechatronics, Doctoral Academic Studies
8.	DZ01F	Selected Chapters in Physics		(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
				(M00) Mechanical Engineering, Doctoral Academic Studies
				(M40) Technical Mechanics, Doctoral Academic Studies
				(OM1) Mathematics in Engineering, Doctoral Academic Studies
				(S00) Traffic Engineering, Doctoral Academic Studies
				(Z00) Environmental Engineering, Doctoral Academic Studies
				(Z01) Safety at Work, Doctoral Academic Studies
9.	FDS141	Selected Chapters in Colour Manage	ement	(F00) Graphic Engineering and Design, Doctoral Academic Studies
10.	ZD017	Solid Materials in the Environment		(Z00) Environmental Engineering, Doctoral Academic Studies
Rep	oresentative	e refferences (minimum 5, not more th	an 10)	
1.		trović, A. F. Petrović, V. M. Leovac, S. osemicarbazone, Journal of Thermal A		composition of Cu(II) complexes with salicyladehyde S- 70, 1994.
2.		ć, D. M. Petrović, A. F. Petrović, F. Sk Journal of Materials Science Lett., 15,		Tendency towards crystallization of Ge-As-Te system
3.	A. F. Pet Thermal 879-886,	rović, S. R. Lukić, D. M. Petrović, E. Z decomposition of Cobalt(II) complexes	. Ivegeš, V. M. Leovac s with 3(5)-amino-4-ac	:: Metal complex with pyrazole derived ligands. Part IV. etyl 5(3) mathylpyrazole, Journal of Thermal Analysis, 47,
4.	S. R. Luk Solids, 24	ić, D. M. Petrović, A. F. Petrović: Effe 41, 74-77, 1998.	ct of copper on conduc	ctivity of amorphous AsSeylz, Journal of Non-Crystalline
5.	Ligands.			5, M. M.Garić: Metal Complexes with Pyrazole-derived th 3-amino-4-acetyl-5-methylpyrazole, Synth.React.Inorg.
6.		ić, S. J. Skuban, D. M. Petrović, A. F. s-S-Se-I system, Journal of Optoelect		naracteristics of complex non-crystalline chalcogenides from aterials, 6(3), 755-768, 2004.
7.				melts under conditions of continuous nucleation. The s & Advanced Materials, 6(4) 1167-1177, 2004.
8.		ić, D. M. Petrović, Ž. N. Cvejić, A F. P enide Thin Films, Journal of Optoelect		ermally-induced Structural Changes in Copper-containing terials, 3(2), 337-340, 2001.
9.		ć, D.M. Petrović, G.R.Štrbac, A.F.Peti e20As14SxSe52-xl14, Journal of Phys		fect of sulfur atom substitute with selenium on stability of Solids 66, 1683-1686 (2005)
10.		nidis-Petrovic, G.R.Strbac, D.D.Strbac 19, 353(2007)2014	, Kinetics of non-isoth	ermal crystallization of chalcogenide, J.Non-Cyst.Solids,
Sur	nmary data	for teacher's scientific or art and profe	essional activity:	
	ation total :		153	
		CI) list papers :	25	
Curre	ent projects	-	Domestic :	1 International : 0





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

starting date: Scientific or art field: Academic carieer Yea Academic title election: 1996 PhD thesis 1996 Magister thesis 1976 Bachelor's thesis 1976 List of courses being held by t 10 Course nam 1. F408 Industrial De 2. H205 Mecahnical I 3. H208 Mechanical I 3. H208 Mechanical I 4. M202 Mechanical I 5. M2419 Product Dev 6. URZP14 Fundamenta 7. F510I1 Design of ind 8. M2654 Specific Mac 9. M2656 Industrial de 10. DM213 Contempora Contempora	6 Faculty of Technical So 0 Faculty of Mechanical E 6 Faculty of Mechanical E 3 Faculty of Mechanical E 13 Faculty of Mechanical E 14 the teacher in the accredited st 14 the teacher in the accredited st 15 the teacher in the accredited st 16 the teacher in the accredited st 17 the teacher in the accredited st 18 the teacher in the accredited st 19 the teacher in the accredited st 19 the teacher in the accredited st 19 the teacher in the accredited st 10 the teacher in the a	01.10.1975 Machine Ele Sciences - Novi S al Engineering - E al Engineering - E	r rcchnical Sciences - Novi Sad ments,Construction Principles, Machine and Mechanizm Field Machine Elements,Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication Machine Elements,Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Machine Elements,Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Thermal Energetics and Thermotechnics es Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (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	nd nd s					
Starting date:Scientific or art field:Academic carieYeaAcademic title election:1996Academic title election:1996PhD thesis1996Magister thesis1976Bacher's thesis1976List courses being here1976List 2007Mecameration1F408IndustriationMecameration1F408IndustriationMecameration1F408Magister thesisMecameration1Magister thesis1Magister thesister1Magister thesister	ar Institution 6 Faculty of Technical Sc 0 Faculty of Mechanical E 6 Faculty of Mechanical E 3 Faculty of Mechanical E the teacher in the accredited st esign Elements 1 Elements 2	and Faculty of Te 01.10.1975 Machine Ele Sciences - Novi S al Engineering - E al Engineering - E	Inchnical Sciences - Novi Sad ments,Construction Principles, Machine and Mechanizm Field Machine Elements,Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Thermal Energetics and Thermotechnics ees Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies	nd nd s					
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Academic carieYeakAcademic title election:1996PhD thesis1986Magister thesis1976Bachelor's thesis1976List of courses being held by t1976List of courses being held by t197610Course name11F408Industriat De2H205Mechanical De3H208Mechanical De3H208Mechanical De3M202Mechanical De3M201Mechanical De3M2215M2419F51011Design of ind8M2656Industriat de10DM213Contemport11DM215Seelcted Ch	6 Faculty of Technical So 0 Faculty of Mechanical E 6 Faculty of Mechanical E 3 Faculty of Mechanical E 13 Faculty of Mechanical E 14 the teacher in the accredited st 14 the teacher in the accredited st 15 the teacher in the accredited st 16 the teacher in the accredited st 17 the teacher in the accredited st 18 the teacher in the accredited st 19 the teacher in the accredited st 19 the teacher in the accredited st 19 the teacher in the accredited st 10 the teacher in the a	Sciences - Novi S al Engineering - E al Engineering - E al Engineering - E	Field ad Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Thermal Energetics and Thermotechnics eograd Thermal Energetics and Thermotechnics es Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (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	nd nd s					
Academic title election: 1996 PhD lesis 1986 Magister thesis 1976 Bachor's thesis 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 1976 List of courses being held to the sing 197	6 Faculty of Technical So 0 Faculty of Mechanical E 6 Faculty of Mechanical E 3 Faculty of Mechanical E 13 Faculty of Mechanical E 14 the teacher in the accredited st 14 the teacher in the accredited st 15 the teacher in the accredited st 16 the teacher in the accredited st 17 the teacher in the accredited st 18 the teacher in the accredited st 19 the teacher in the accredited st 19 the teacher in the accredited st 19 the teacher in the accredited st 10 the teacher in the a	al Engineering - B al Engineering - B al Engineering - B	Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Thermal Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng.Communication eograd Thermal Energetics and Thermotechnics es Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (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	nd nd s					
PhD thesis 1980 Magister thesis 1970 Bacbor's thesis 1970 List or courses borng held in dustrial Def 1970 ID Course borng held in dustrial Def 1 F408 Industrial Def 1 F408 Mechanical Industrial Def 3 H205 Mechanical Industrial Def 3 H208 Mechanical Industrial Def 3 H208 Mechanical Industrial Def 3 H208 Mechanical Industrial Def 5 M2419 Product Dev 6 URZP14 Fundamental 7 F51011 Design of industrial de 9 M2656 Industrial de 10 DM213 Conterpora 11 DM215 Seelcter Ch	0 Faculty of Mechanical E 6 Faculty of Mechanical E 3 Faculty of Mechanical E the teacher in the accredited st ee esign Elements 1 Elements 2	al Engineering - B al Engineering - B al Engineering - B	ad Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Thermal Energetics and Thermotechnics ess Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (H00) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies	nd nd s					
Magister thesis1976Bachelor's thesis1976List of courses being held by theIDCourse nameIDCourse name1ParticipationIDCourse nameIDCourse nameIDCourse nameIDCourse nameIDCourse nameIDCourse nameIDCourse nameIDCourse nameIDMacs Mechanical DeIDMacs Mechanical DeIDMacs Mechanical DeIDMacs Mechanical DeIDProduct DevGMacs Mechanical DeIDProduct DevGMacs Mechanical DeIDProduct DevGMacs Mechanical DeMacs Macs Mechanical DeIDMacs Mechanical DeIDMacs Mechanical DeIDMacs Mechanical DeIDMacs Mechanical DeIDMacs Mechanical DeID <th co<="" td=""><td>6 Faculty of Mechanical E 3 Faculty of Mechanical E the teacher in the accredited st e esign Elements 1 Elements 2</td><td>al Engineering - B al Engineering - B</td><td>eograd Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Thermal Energetics and Thermotechnics es Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies</td><td>nd e s</td></th>	<td>6 Faculty of Mechanical E 3 Faculty of Mechanical E the teacher in the accredited st e esign Elements 1 Elements 2</td> <td>al Engineering - B al Engineering - B</td> <td>eograd Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Thermal Energetics and Thermotechnics es Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies</td> <td>nd e s</td>	6 Faculty of Mechanical E 3 Faculty of Mechanical E the teacher in the accredited st e esign Elements 1 Elements 2	al Engineering - B al Engineering - B	eograd Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Machine Elements, Construction Principles Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Thermal Energetics and Thermotechnics es Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies	nd e s				
Bachelor's thesis 1973 List of courses being held by t ID Course held by t 1 F408 1. F408 1. F408 1. F408 1. F408 3. H205 Mechanical I 3. H208 Mechanical I 4. M202 Mechanical I 5. M2419 Product Dev 6. URZP14 F51011 Design of ind 8. M2654 9. M2656 10. DM213 Contempora 11. DM215	3 Faculty of Mechanical E the teacher in the accredited st re esign Elements 1 Elements 2	al Engineering - B	eograd Machine and Mechanizm Theory, Power a Motion Transfer and Eng Communication eograd Thermal Energetics and Thermotechnics es Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (M30) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies	e s s te					
List of courses being held by tIDCourse nam1.F408Industrial De2.H205Mecahnical D3.H208Mechanical D3.H208Mechanical D4.M202Mechanical D5.M2419Product Dev6.URZP14Fundamenta7.F510I1Design of ind8.M2654Specific Mad9.M2656Industrial de10.DM213Contempora Constructing11.DM215Seelcted Ch	the teacher in the accredited st esign Elements 1 Elements 2		es Study programme name, study type (F00) Graphic Engineering and Design, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergradua Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies	e					
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2.H205Mecahnical I3.H208Mechanical I3.H208Mechanical I4.M202Mechanical I5.M2419Product Dev6.URZP14Fundamental7.F510I1Design of ind8.M2654Specific Mad9.M2656Industrial de10.DM213Contempora Constructing11.DM215Seelcted Ch	Elements 1 Elements 2		Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergradua Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies	e					
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4.M202Mechanical I5.M2419Product Dev6.URZP14Fundamenta7.F510I1Design of ind8.M2654Specific Made9.M2656Industrial de10.DM213Contempora Constructing11.DM215Seelcted Ch			 (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergradua Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 	te					
5.M2419Product Dev6.URZP14Fundamental7.F510I1Design of ind8.M2654Specific Made9.M2656Industrial de10.DM213Contemporal Constructing11.DM215Seelcted Ch	Elements		Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergradua Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies						
6.URZP14Fundamental7.F510I1Design of ind8.M2654Specific Made9.M2656Industrial de10.DM213Contemporal Constructing11.DM215Seelcted Ch			(P00) Production Engineering, Undergraduate Academ Studies	IIC					
7.F510I1Design of ind8.M2654Specific Mad9.M2656Industrial de10.DM213Contempora Constructing11.DM215Seelcted Ch	velopment		(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies						
8. M2654 Specific Mac 9. M2656 Industrial de 10. DM213 Contempora Constructing 11. DM215 Seelcted Ch	als of Mechanical Engineering	g	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies						
9. M2656 Industrial de 10. DM213 Contempora Constructing 11. DM215 Seelcted Ch	dustrial products		(F00) Graphic Engineering and Design, Master Acade Studies	nic					
10. DM213 Contempora Constructing 11. DM215 Seelcted Ch	54 Specific Machine Elements of Agricultural Ma		(M22) Mechanization and Construction Engineering, M Academic Studies						
DM213 Constructing 11 DM215 Seelcted Ch	sign of agricultural machines		(M22) Mechanization and Construction Engineering, M Academic Studies						
	ary Methods of Designing and I য		(M00) Mechanical Engineering, Doctoral Academic Stu	idies					
12 DOM22 Draduat Day	apters in Machine and Mechar	nanisms Theory	(M00) Mechanical Engineering, Doctoral Academic Stu	ıdies					
12. DOM23 Product Dev	velopment		(M00) Mechanical Engineering, Doctoral Academic Stu	idies					
13. FDS211 Selected Ch	apters in Design		(F00) Graphic Engineering and Design, Doctoral Acad Studies						
14. FDS214 Selected Ch	apters in Industrial Product Mo	Modelling	(F00) Graphic Engineering and Design, Doctoral Acad Studies	emic					
	(minimum 5, not more than 10)	,							
			Rackov, J. M.: Thermal stability of crossed helical gears v uppl. 2, pp. S607-S619, doi:10.2298/TSCI120503190M.	/ith					
2. 82-4		-	t tehničkih nauka, Novi Sad, 2006, str.357, ISBN 86-852						
3. Kuzmanović, S.: Konst 57-3	Kuzmanović, S.: Konstruisanje, oblikovanje i dizajn - 2. deo, Fakultet tehničkih nauka, Novi Sad, 2005, str.181, ISBN 86-85211- 57-3								
4. Kuymanović, S.: Mena									
5. Kuzmanović, S.: Mašin 978-86-7892-282-4		Kuymanović, S.: Menadžment proizvodima, Univerzitet u Novom Sadu, Novi Sad, 2007, str.301, ISBN 978-86-499-0149-0Kuzmanović, S.: Mašinski elementi - oblikovanje, proračun i primena, Fakultet tehničkih nauka, Novi Sad, 2012, str.394, ISBN							

HATAS STUDIORUM			UNIVERSITY OF NO	VI SAD		WYKNX H				
		FACULTY OF TECHNICAL SC	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
		Study Programme Accreditation								
·0,	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Er	ergy and Process Engineering					
Rep	presentative re	efferences (minimum 5, not more th	nan 10)			•				
6.	Kuzmanovi	ć, S.: Industrijski dizajn, Fakultet te	hnickih nauka, Novi Sa	ad, 2012, st	.329, ISBN 978-86-7892-404-0)				
7.	Kuzmanović, S., Trbojević, R., Rackov, M.: Zbirka zadataka iz mašinskih elemenata, Fakultet tehničkih nauka, Nobi Sad, 2009, str.198, ISBN 978-86-7892-154-4									
8.		ć, S.: Univerzalni zupčasti reduktori 6-7892-202-2	i sa cilindričnim zupča	nicima, Fakı	ultet tehničkih nauka, Novi Sad,	, 2009, str.231,				
9.	Kuzmanović, S., Rackov, M.: Bezazorni prenosnici u vojnom mašinstvu, Vojnotehnički institut, Beograd, 2012, str.101, ISBN 978- 86-81123-51-5									
10.	Vereš, M., Harman, B., Kuzmanović, S., Rackov, M.: Determination of the Correct Mating Cylindrical Teeth Flanks Profiles When the Path of Contact is Given, Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Bratislava, 2009, str. 145-151, ISBN 978-80-227-3326-7									
Sur	mmary data fo	r teacher's scientific or art and prof	essional activity:							
Quot	tation total :		0							
Tota	l of SCI(SSCI)	list papers :	1							
Curr	ent projects :		Domestic :	1	International :	2				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	a and last n	name: Ličen S. Bran				ialaya		
Name and last name: Ličen S. Academic title: Lecturer						anisiava		
						aculty of Technical Sciences - Novi Sad		
					07.04.2005			
	ntific or art f	ield:			English			
	emic carie		Year	Institution			Field	
Acad	emic title el	ection [.]	2012	Faculty of Technical Sci	ences - Novi Sa	ad	English	
	elor's thesis		2009	Faculty of Philosophy - I			Philology	
				acher in the accredited stu		S		
	ID	Course name				Study pro	ogramme name, study type	
1.	AEJ1L	English Language - Elementary				(A00) Arcł	hitecture, Undergraduate Academic Studies	
2.	AEJ2L			e intermediate		, ,	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	-	h intermedia				hitecture, Undergraduate Academic Studies	
4.	AEJ3Z			e - upper intermediate			hitecture, Undergraduate Academic Studies	
		0					nputing and Control Engineering, Undergraduate	
						(F10) Eng Studies	ineering Animation, Undergraduate Academic	
5.	E2110	Izborni strani jezik 1				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
						(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
						(G00) Civi	il Engineering, Undergraduate Academic Studies	
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
6.	EJ01L	English Language – Elementary				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
						(S00) Traf Academic	ffic and Transport Engineering, Undergraduate Studies	
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
							ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
							asurement and Control Engineering, luate Academic Studies	
7.	EJ01Z	Englis	h Language	e - Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
							aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	

FACULTY O

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	of courses b	eing held by the teacher in the accredited study programme	28
	ID	Course name	Study programme name, study type
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergrad

			(AH0) Architecture, Master Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
12.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	EJ04L	English Language – Upper Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
		English Language - Linner Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
		English Language - Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	EJ03Z		(Z01) Safety at Work, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			Undergraduate Academic Studies
			Academic Studies (S01) Postal Traffic and Telecommunications,
9.	EJ02Z	English Language – Pre-Intermediate	 (I20) Engineering Management, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate
			(110) Industrial Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
8.	EJ02L	English Language – Pre-Intermediate	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			Academic Studies
			Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate

RSITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES List of courses being held by the teacher in the accredited study programmes Energy and Process Engineering

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

HAS STUDIORUM

List

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

of courses being	hold by the	teacher in the	e accredited stud	nrogrammes
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LIST	bi courses b	eing held by the teacher in the accredited study programn	
	ID	Course name	Study programme name, study type
27.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
28.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
30.	ISIT07	English Language 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
31.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
33.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
35.	EJIIM	English for Specific Purposes	(110) Industrial Engineering, Undergraduate Academic Studies
30.	EJIIM	English for Specific Purposes	(I20) Engineering Management, Undergraduate Academic Studies
36.	ETI05	English language - Elementary	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
37.	ETI10	English Language-Lower	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
38.	ETI15	Engleski jezik - srednji	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
39.	ETI20	Engleski jezik - napredni	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
40.	EJ1Z	English Language - Elementary	 (E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies (E20) Computing and Control Engineering, Undergraduate
41.	EJ2Z	English Language – Intermediate	Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (Gl0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
42.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies
43.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
44.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies

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SITAS STUD			UNIVERSITY OF NC	IVI SAD		UNUKHX Har	
OR		FACULTY OF TECHNICAL SC	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
U.V.	Son Car	Study F	Programme A	Accreditati	on	Con	
.01	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Energy	and Process Engineering	HO	
List o	of courses b	eing held by the teacher in the accred	dited study programm	es			
	ID	Course name		Study program	nme name, study type		
45.	NIT03	Business English			Engineering - Advanced El Aaster Academic Studies	ngineering	
Rep	oresentative	refferences (minimum 5, not more th	an 10)				
1.	"Formal a Timisoara	and Aesthetic Aspects of Nadine Gord a, br. 7, 2010., str.191-198.	limer's Short Story", F	Romanian Journa	l of English Studies, Univer	sity of the West	
2.	"Summar Beogradu	ization Skills of Engineering Students I, 2011., str. 291-299.	' Reading in a Secon	d Language", Jez	ik struke, izazovi i perspekt	ive, Univerzitet u	
3.		e, Ethnicity and Gender in Nadine Go USSE Conference, Pecs, 2010., str. 2		her Stories", Sele	ected Papers in Literature a	nd Culture from	
4.		the Interregnum: Nadine Gordimer's d American Studies, University of th				Conference on	
5.	"Preispiti	vanje istorijskog konteksta u Barnsov	om romanu Floberov	papagaj", Sveske	, br.100, Pančevo, jun 201	1., str. 69-77.	
6.		e udžbenika za stručni engleski jezik : ı, 2009., str.445-454.	za studente različitog	predznanja", Jezi	k struke, teorija i praksa, U	niverzitet u	
7.	"Istorijat nastave stručnog engleskog jezika na FTN-u u Novom Sadu", Jezik struke, teorija i praksa, Univerzitet u Beogradu, 2009., str. 170-176.						
8.	3. Zajednica i pojedinac u delima Toni Morison u romanima Najplavlje oko, Sula, Voljena i Katreno luče, 2009.						
Sur	nmary data	for teacher's scientific or art and prof	essional activity:				
	ation total :		0				
	``	CI) list papers :	0	1			
Curre	urrent projects : Domestic : 0 International : 0						





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

					Lončarević M			
						Assistant Professor		
	e of the inst ng date:	titution v	vhere the te	eacher works full time and	-	Faculty of Technical Sciences - Novi Sad 01.06.2004		
	ntific or art f	ield:			Physics			
	emic carie		Year	Institution	1 1193103		Field	
	emic title e		2010	monution			Physics	
	thesis		2010	Faculty of Physics - Bec	orad		Physical Science	
	ster thesis		2008	Faculty of Physics - Bec	-		Physical Science	
	elor's thesis	s	2000	Faculty of Sciences - No	0		Physical Science	
				acher in the accredited stu		20		
LIOU					ady programme			
	ID	Course	e name			Study pro	gramme name, study type	
1.	E103	Physic	s			Èngineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
	2100	- Hyoic				Undergrad	asurement and Control Engineering, uate Academic Studies	
2.	EOS06	Physic	S				ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies	
3.	GG06	Civil E	ngineering	Physics			I Engineering, Undergraduate Academic Studies	
						Studies	ineering Animation, Undergraduate Academic	
4.	H101	Physic	S			Studies	desy and Geomatics, Undergraduate Academic	
						(H00) Mechatronics, Undergraduate Academic Studies		
5.	IAFI01	Colors	and Light			(F10) Engineering Animation, Undergraduate Academic Studies		
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
						 (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, 		
6.	M101	Techn	ical Physics	5		Undergraduate Academic Studies		
						(P00) Production Engineering, Undergraduate Academic Studies		
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
7.	ETI06	Physic	S			Profession		
8.	ZC008	Techn	ical physics	3		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
Rep			``	num 5, not more than 10)				
1.	objects o	n a triar	ngular lattice	e, Physical Review E, 201	2, Vol. 85, No (061117, pp.		
2.	adsorptio	on of ext	ended obje	cts on a triangular lattice,	Physical Revie	w E, 2011, \		
3.	with cons	strained	movements	s on a triangular lattice, Ph	nysical Review	E, 2011, Vo	ation properties in a diffusive model of k-mers I. 84, No 031109, pp. 1-13	
4.							equential adsorption of polydisperse mixtures on ent, 2010, ISSN 1742-5468	
5.				ović Lj., Vrhovac Lj., Belić 2009, Vol. 80, No 2	A.: Adsorptior	n, desorptior	n, and diffusion of k-mers on a one-dimensional	
6.	Random	n seque	ntial adsorp	ac S., Lončarević I.: ition of polydisperse mixtu 3, Vol. 78, No 061603, pp.		substrates		
7.	lattice				-		quential adsorption of mixtures on a triangular	
	, The European Physical Journal E, 2007, Vol. 24, pp. 19-26, ISSN 1292-8941							



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

Study Programme Accreditation

OPLANTER		UNDERGRADUATE ACADEMIC	STUDIES	Energy	and Process Engineering	ADP.	
Representative refferences (minimum 5, not more than 10)							
 Lončarević I., Budinski-Petković Lj., Vrhovac S.: Reversible random sequential adsorption of mixtures on a triangular lattice , Physical Review E, 2007, Vol. 76, No 031104, pp. 1-9 							
9.	9. Lončarević I.: Irreversible deposition of extended objects with diffusional relaxation on discrete substrates, The European Physical Journal B, 2010, No 73, pp. 439-445						
10.		Kozmidis-Luburić U., Budinski-Petk [,] Transport along Microtubules, Jou 1955					
Sur	mmary data fo	r teacher's scientific or art and profe	essional activity:				
Quotation total : 0							
Total of SCI(SSCI) list papers : 12							
Current projects : Domestic : 1 International : 0						0	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Marro								
			Lukić J. Tibor					
					Assistant Professor			
	e of the inst ng date:	titution v	vhere the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad 01.07.2012			
	ntific or art f	ialdi			Mathematics			
			Veer	Institution	wathematics		Field	
	emic caries		Year	Institution	<u></u>		Field	
	emic title el	lection:	2012	Faculty of Technical Sci			Mathematics	
	thesis		2011	Faculty of Technical Sci		ad	Mathematics	
	ster thesis		2004	Faculty of Sciences - No			Mathematical Sciences	
	elor's thesis	-	1998	Faculty of Sciences - No			Mathematical Sciences	
List c	of courses b	eing he	Id by the te	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	E212	Mathe	matical Ana	alysis 1			tware Engineering and Information Technologies, luate Academic Studies	
						(SEL) Sof	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
	5040	Diama	4 - NA - 41				asurement and Control Engineering, luate Academic Studies	
2.	E213	Discre	Discrete Mathematics and Linear Algebra			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
							tware Engineering and Information Technologies - Indergraduate Academic Studies	
	F004A	Matha				(E20) Computing and Control Engineering, Undergraduate Academic Studies		
3.	E221A	mathe	matical Ana	alysis 2			asurement and Control Engineering, luate Academic Studies	
4.	IAM004	Geom	etry of Disc	rete Space		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
							chanization and Construction Engineering, luate Academic Studies	
5.	M106	Mathe	matics 2			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
0.	MITOO	Mathematics 2					chnical Mechanics and Technical Design, luate Academic Studies	
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
6.	M4201	Mathe	matics 3			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
Ŭ.						Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
7.	M4202	Applie	d Mathema	tical Analysis		· /	chnical Mechanics and Technical Design, luate Academic Studies	
							ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
8.	Z104	Mathe	matics 1				aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

List o	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name Study programme name, study type						
9.	Z106	Mathematics 2	(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety,					
			Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies					
10.	E101	Discrete Mathematics	(ES0) Power Software Engineering, Undergraduate Academic Studies					
11.	ISIT02	Mathematics 1	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies					
12.	Z104	Matematika 1(uneti naziv na englesł	(Z20) Environmental Engineering, Undergraduate Academic Studies					
13.	Z106	Matematika 2(uneti naziv na englesł	(Z20) Environmental Engineering, Undergraduate Academic Studies					
14.	0ML503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies					
15.	0ML507	Logic in computer science	(OM1) Mathematics in Engineering, Master Academic Studies					
16.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies					
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.		tic, Nebojsa M. Ralevic, Geometric Me 1, pp. 30-36, 2008.	ean Newton"s Method for Simple and Multiple Roots, Elsevier, Applied Mathematics					
2.			ukic, Feature Based Defuzzication in Z2 and Z3 Using a Scale Space Approach, s in Computer Science, pp. 378-389, 2006.					
3.			lad, Deterministic Defuzzication based on Spectral Projected Gradient Optimization, s in Computer Science, pp. 476-485, 2008.					
4.		u zanin and Tibor Lukic, Convergence tics, pp. 71-79, 2005.	e of the MRV method at singular points, Volume 35 of Novi Sad Journal of					
5.			kity, Application of Aggregation Operators in Solution of Nonlinear Equations, mposium on Intelligent Systems, pp. 329-339, Subotica, 2006.					
6.			Method with Accelerated Convergence Modified by an Aggregation Operator, mposium on Intelligent Systems, pp. 121-128, Subotica, 2005.					
7.	Tibor Lukic, Joakim Lindblad, and Natasa Sladoje, Regularized Image Denois-							
8.	Lukić T.: Engru minimization based Discrete Temography Reconstruction Method for Images on Triangular Crid. Lecture Notes							
9.	9. Tibor Lukic, Benedek Nagy, Energy-minimization based Discrete Tomography Reconstruction Method for Images on Triangular Grid, Proceedings of Combi- natorial Image Analysis - 15th International Workshop (IWCIA), Austin (TX), USA, LNCS, Vol. 7655, Springer-Verlag, pp. 274-284, 2012.							
10.	Zorana Luzanin and Tibor Lukic. Convergence of the MRV method at singular							
		for teacher's scientific or art and profe	·					
	ation total :		0					
I ota	Fotal of SCI(SSCI) list papers : 8							

2

Domestic :

International :

Current projects :

0



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nor	o and last -	ome			Maratiá D. D-	tko		
Name and last name: Academic title:					Maretić B. Ratko Full Professor			
			Full Professor Faculty of Technical Sciences - Novi Sad					
	e of the insi ng date:	itution v	vnere the te	acher works full time and	18.05.1993			
	ntific or art f	ield:			Deformable B	odv Mecha	nics	
	emic carie		Year	Institution	- Selennable E		Field	
	emic title e		2009	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics	
	thesis		1997	Faculty of Technical Sci			Deformable Body Mechanics	
	ster thesis		1993	Faculty of Technical Sci			Deformable Body Mechanics	
	elor's thesis	5	1987	Faculty of Technical Sci			Deformable Body Mechanics	
		-		acher in the accredited stu				
2.000		oing no			, programme			
	ID	Course	e name			Study pro	gramme name, study type	
1.	A237	Materi	al Resistan	ce		(A00) Arch	nitecture, Undergraduate Academic Studies	
							chanization and Construction Engineering, uate Academic Studies	
2.	M204	Strong	th of Materi	ale		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
۷.	₩204	Sueng	in or water	aıə			chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
3.	M4305	Therm	omechanic	3			chnical Mechanics and Technical Design, uate Academic Studies	
4.	URZP14	4 Fundamentals of Mechanical Engineering					0) Disaster Risk Management and Fire Safety, ergraduate Academic Studies	
			-			(Z01) Safe	ety at Work, Undergraduate Academic Studies	
5.	Z108	Funda	mentals of	Mechanics		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
						(Z20) Environmental Engineering, Undergraduate Academic Studies		
6.	BMI127	Biomo	chanics			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
0.		ыоте	CHAINES				er, Electronic and Telecommunication g, Undergraduate Academic Studies	
7.	II1004	Mecha	nics and In	dustrial Engineering		(110) Indus Studies	strial Engineering, Undergraduate Academic	
8.	M44051	Theory	of Plates a	and Shells		· · ·	chnical Mechanics and Technical Design, uate Academic Studies	
9.	M4501	Indust	rial Design			Academic		
10.	M4505	Model	ling of non-l	inear systems		(M40) Tec Academic	nnical Mechanics and Technical Design, Master Studies	
						(M00) Med	chanical Engineering, Doctoral Academic Studies	
11.	DM403	Mathe	matical Roo	I Theory		l` '	chnical Mechanics, Doctoral Academic Studies	
		Mathematical Rod Theory				(OM1) Ma Studies	thematics in Engineering, Doctoral Academic	
12.	ZRD16A	Select	ed chapters	in mechanics and elastic	ity theory	(Z01) Safe	ety at Work, Doctoral Academic Studies	
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)				
1.				and V. Milosevic-Mitic: Tra ctural Stability and Dynam			bility of a heavy and heated vertical circular plate.	
2.				and N. Grahovac: Bucklin ds, 2009, 28, 131- 140.	g of a twisted a	nd compres	sed rod supported by Cardan joints. European	
3.	V. Glavar	danov a	and R. Mare	tic: Stability of a twisted a	and compressed	d clamped re	od. 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	

ASTAS STUDIO			UNIVERSITY OF NC	VI SAD		WKWX L
		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DO	SITEJA OBRADOVIĆA 6	ATTAC
23	Contraction of the second	Study F	Programme A	Accredita	tion	Contraction of the
6	LANTENS	UNDERGRADUATE ACADEMIC	STUDIES	Energ	gy and Process Engineering	A HOB
Re	presentative re	efferences (minimum 5, not more th	an 10)			
5.		V. Glavardanov and D. Radomirovi 2007, 42, 537- 546.	c: Asymmetric vibratio	ons and stabilit	y of a rotating annular plate lo	aded by a torque.
6.	R. Maretic, 467-478.	2005, "Transverse vibration and sta	ability of an eccentric i	rotating circular	r plate", Journal of Sound and	Vibration 280,
7.		ic, V. B. Glavardanov, 2004, "Stabil Transactions of the ASME, 71, 897		ed Circular Pla	te with Elastic Support", Journ	al of Applied
8.		ic and T. M. Atanackovic, 2001, Jou Elastic Half-Space.	urnal of Engineering N	lechanics Vol	127, 242-247, Buckling of Colu	umn with Base
9.	L. Cvetican	in, R. Maretic, 2000., Mechanism a	nd Machine Theory 3	5, 1391-1411. [Dynamic 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	Summary data for teacher's scientific or art and professional activity:					
Quot	tation total :		25			
Tota	I of SCI(SSCI)	list papers :	14			
Current projects :			Domestic :	1	International :	0



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name: Miha						Diliona		
	e and last n lemic title:	ame:			Mihailović P. Biljana			
		litution :	whore the te	acher works full time and	Assistant Professor Faculty of Technical Sciences - Novi Sad			
	ng date:			acher works full time and	15.03.1999			
	ntific or art f	ield:			Mathematics			
	lemic caries		Year	Institution			Field	
Acad	lemic title el	lection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics	
	thesis		2009	Faculty of Sciences - No			Mathematical Sciences	
Magi	ster thesis		2003	Faculty of Sciences - No			Mathematical Sciences	
	elor's thesis	s	1998	Faculty of Sciences - No			Mathematical Sciences	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu		s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E135	Probal	bility, Statis	tics and Stochastic Proces	sses	Undergrad (E10) Pow	asurement and Control Engineering, uate Academic Studies er, Electronic and Telecommunication g, Undergraduate Academic Studies	
						Academic		
2.	E212	Mathe	matical Ana	Ilysis 1		Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						Loznića, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						Académic		
3.	E213	Discrete Mathematics and Linear Algebra				Undergrad	asurement and Control Engineering, uate Academic Studies	
	-				(SE0) Software Engineering and Information Tech Undergraduate Academic Studies		uate Academic Studies	
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
						Academic		
4.	E224A	Probal	bility and St	ochastic Processes		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
		11000				Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
5.	EOS07	Mathe	matics 2				ver Engineering - Renewble Sources of Electrical indergraduate Professional Studies	
						Undergrad	chanization and Construction Engineering, uate Academic Studies	
6.	M102	Mathe	matics 1	atics 1		Academic		
						Undergrad	nnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
7.	E102	Mathe	matical Ana	Ilvsis 1		(ES0) Pow	ver Software Engineering, Undergraduate Studies	
, · ·	2102	maare		.,		Undergrad	asurement and Control Engineering, uate Academic Studies	
8.	BMI91	Mathe	matics 1			Studies	medical Engineering, Undergraduate Academic	
9.	BMI92	Mathematics 2				(BM0) Biomedical Engineering, Undergraduate Academic Studies		
10.	E102A	Mathe	matical Ana	Ilysis 1			ver, Electronic and Telecommunication g, Undergraduate Academic Studies	



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



Study Programme Accreditation

Energy and Process Engineering

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

List o	ist of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type				
11.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies				
10	570440		(E11) Power, Electronic and TelecommunicationEngineering, Specialised Academic Studies(I12) Industrial Engineering, Specialised Academic Studies				
12.	DZ01MS	Selected Chapters in Mathematics	 (122) Engineering Management, Specialised Academic Studies (200) Environmental Engineering, Specialised Academic Studies 				
			(120) Engineering Management, Specialised Professional				
13.	1004/S	Statistical Quantitative Methods	Studies (IB0) Engineering Management - MBA, Specialised				
			Professional Studies				
14.	OIR009	Primenjena aktuarska matematika	(I20) Engineering Management, Specialised Professional Studies				
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies				
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
18.	D0M49	Aggregation Functions	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
19.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
20.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
			(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies				
			(E20) Computing and Control Engineering, Doctoral Academic Studies				
			(F00) Graphic Engineering and Design, Doctoral Academic Studies				
			(F20) Engineering Animation, Doctoral Academic Studies				
			(G00) Civil Engineering, Doctoral Academic Studies				
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
21.	DZ01M	Selected Chapters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies				
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
			(M00) Mechanical Engineering, Doctoral Academic Studies				
			(M40) Technical Mechanics, Doctoral Academic Studies				
			(OM1) Mathematics in Engineering, Doctoral Academic Studies				
			(S00) Traffic Engineering, Doctoral Academic Studies				
			(Z00) Environmental Engineering, Doctoral Academic Studies				
			(Z01) Safety at Work, Doctoral Academic Studies				
İ		e refferences (minimum 5, not more than 10) B. Mihailović: A representatation of a comonotone-v-additiv	ve and monotone functional by two Sugeno integrals, Fuzzy				
1.	Sets and	Systems 155, (2005) 77-88	e real set functions, Fuzzy Sets and Systems, Vol 161, Issue				
2.	22, (2010)) 2857-2869 ović, E. Pap: Asymmetric integral as a limit of generated Ch					
3.	functions	, Fuzzy Sets and Systems 181, (2011) 39-49.	Polytechnica Hungarica, Volume 6, Issue Number 1, (2009)				
4.	161-173.						
5.	Kalina M., Manzi M., Mihailović B.: Choquet integrals and T-supermodularity, E. Pap (Ed.): Intelligent Systems: Models and Applications, TIEI 3, DOI: 10.1007/978-3-642-33959-2 4 c Springer-Verlag Berlin Heidelberg, (2013) 61-75.						

			UNIVERSITY OF NO	VI SAD		WAKNX 4	
		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOS	SITEJA OBRADOVIĆA 6	STAT	
			Study Programme Accreditation				
Rep	oresentative re	efferences (minimum 5, not more th	ian 10)				
6.		ć, Lj. Nedović, T. Grbić : The induc g, Vol.54, No. 12/s, (2003) 76-79.	ed Sugeno integral-ba	sed operator w	.r.t bi-fuzzy measures, Journ	al of Electrical	
7.	B. Mihailovi 374.	ć, E. Pap: Non-monotonic set funct	ions and general fuzzy	y integrals, Proc	ceedings of SISY 2008, Subo	tica, (2008) 371-	
8.	B. Mihailovi 187-191.	ć: On the class of symmetric S-sep	arable aggregation fur	nctions Proceed	lings of AGOP 2007, Ghent, I	Belgium, (2007)	
9.	B. Mihailovi 265-269.	ć, E. Pap: Decomposable signed fu	izzy measures, Procee	edings of EUSF	LAT 2007, Ostrava, Czech R	epublic, (2007)	
10.	B. Mihailovi	ć, M. Manzi: On the asymmetric Sl	hilket-like integral, Pro	ceedings of AG	OP2011, Benevento, Italy, (2	011) 73-77.	
Sur	Summary data for teacher's scientific or art and professional activity:						
Quotation total : 10							
Tota	of SCI(SSCI)	list papers :	4				
A	Current projects : Domestic : 2 International :					0	





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Academic title: Full Professor Name of the institution where the teacher works full time and starting date: - Scientific or art field: Environment Protection Engineering Academic carleer Year Institution Academic carleer Year Institution Academic title election: 2006 Faculty of Technology and Metallurgy - Beograd Technological Engineering PhD thesis 1974 Faculty of Technology and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1974 Faculty of Technology and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1974 Faculty of Technology and Metallurgy - Beograd Technological Engineering Ib Course name Study programme name, study type Itechnological Engineering - Renewble Sources of Electrice Energy. Undergraduate Professional Studies 2. Z105 Energy and Environment (Z20) Environmental Engineering, Undergraduate Academic Studies 3. Z105A Energy and the environment (Z01) Safety at Work, Undergraduate Academic Studies 4. Z204A Monitoring of the Living Environment (Z01) Safety at Work, Undergraduate Academic Studies 5. Z205 Sustainable Use	Name and last name:					Mibailov N. A	nđolko		
Name of the institution where the teacher works full time and darting date. - Scientific or at field: Environment Protection Engineering. Academic tille election: 2006 Magine tille election: 1984 Faculty of Technical Sciences - Novi Sad Environment Protection Engineering. Maginet Thesis 1984 Bachelor's thesis 1977 Faculty of Technicoly and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1977 Faculty of Technicoly and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1974 Faculty of Technology and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1974 Course name Study programme name, study type 1. EOS42 Renewable sources and environment1 (20) Safety at Work, Undergraduate Academic Studies 2. Z105A Energy and the environment1 (20) Safety at Work, Undergraduate Academic Studies 4. Z204A Monitoring of the Living Environment (20) Safety at Work, Undergraduate Academic Studies 5. Z205 Sustainable Use of Natural			ame.						
starting date: Environment Protection Engineering Generatic utile dector: 2006 Facutly of Technical Sciences - Novi Sad Field Academic caneer Year Institution Field Academic sciences 1984 Facutly of Technology and Metallurgy - Beograd Technological Engineering Magister thesis 1974 Facutly of Technology and Metallurgy - Beograd Technological Engineering List of courses being held by the teacher in the accredited study orgrammes Technological Engineering List of courses being held by the teacher in the accredited study orgramme name, study type 1 EOS42 Renewable sources and environment (E01) Power Engineering - Renewble Sources of Electrics 2 Z105 Energy and Environment (Z01) Safety at Work, Undergraduate Academic Studies 3 Z105A Energy and the environment (Z01) Safety at Work, Undergraduate Academic Studies 4 Z204A Monitoring of the Living Environment (Z01) Safety at Work, Undergraduate Academic Studies 5 Z205 Sustainable Use of Natural Resources and Engineering. (C10) Geadesy and Geomatics, Undergraduate Academic Studies 6 Z309A Solid Waste Management <t< td=""><td></td><td></td><td>itution</td><td>whore the t-</td><td>achor works full time and</td><td></td><td>1</td><td></td></t<>			itution	whore the t-	achor works full time and		1		
Academic carieer Year Institution Field Academic title election: 2006 Faculty of Technology and Metallurgy. Environment Protection Engineering Magister thesis 1974 Faculty of Technology and Metallurgy. Beograd Technological Engineering Magister thesis 1977 Faculty of Technology and Metallurgy. Beograd Technological Engineering List of courses being held by the teacher in the accredited study programmes Study programme name, study type 1. EOS42 Renewable sources and environmental protection (E01) Power Engineering - Renewable Sources of Electrice Energy, Undergraduate Professional Studies 2. Z105 Energy and Environment (Z01) Safety at Work, Undergraduate Academic Studies 3. Z2105A Energy and the environment (Z01) Safety at Work, Undergraduate Academic Studies 4. Z204A Monitoring of the Living Environment (Z01) Safety at Work, Undergraduate Academic Studies 5. Z205 Sustainable Use of Natural Resources and Environmental Engineering. (Z01) Safety at Work, Undergraduate Academic Studies 6. Z309A Solid Waste Management (Z02) Environmental Engineering. (Z02) Environmental Eng			itution v	vnere the te	acher works full time and	-			
Academic title election: 2006 Faculty of Technical Sciences - Novi Sad Environment Protection Engineering PhD thesis 1984 Faculty of Technicaly and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1977 Faculty of Technology and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1974 Faculty of Technology and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1974 Faculty of Technology and Metallurgy - Beograd Technological Engineering ID Course name Study programme name, study type 1. EOS42 Renewable sources and environment (E01) Power Engineering - Renewable Sources of Electrice 2. Z105 Energy and the environment (Z20) Environmental Engineering. Undergraduate Academic Studies 3. Z105A Energy and the environment (Z01) Safety at Work, Undergraduate Academic Studies 4. Z204A Monitoring of the Living Environment (Z01) Gean Energy Technologies, Undergraduate Academic Studies 5. Z206 Sustainable Use of Natural Resources and Environmental Protection System (Z01) Safety at Work, Undergraduate Academic Studies 7. Z							Protection E	Engineering	
PhD thesis 1984 Faculty of Technology and Metallurgy - Beograd Technological Engineering Magister thesis 1977 Faculty of Technology and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1974 Faculty of Technology and Metallurgy - Beograd Technological Engineering List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1. E0542 Renewable sources and environmental protection (E01) Power Engineering - Renewble Sources of Electrice Energy. Undergraduate Academic Studies 3. 2105A Energy and the environment (Z01) Safety at Work, Undergraduate Academic Studies 4. Z204A Monitoring of the Living Environment (Z01) Safety at Work, Undergraduate Academic Studies 5. z206 Sustainable Use of Natural Resources and Environmental Engineering. Undergraduate Academic Studies 6. z309A Solid Waste Management (Z01) Safety at Work, Undergraduate Academic Studies 7. Z401A Design and Planning in Environmental Protection (Z01) Safety at Work, Undergraduate Academic Studies 8. Z401B Design and Planning in Environmental Engineering. Undergraduate Academic Studies </td <td>Acad</td> <td>emic cariee</td> <td>r</td> <td>Year</td> <td>Institution</td> <td></td> <td></td> <td>Field</td>	Acad	emic cariee	r	Year	Institution			Field	
Magister thesis 1977 Faculty of Technology and Metallurgy - Beograd Technological Engineering Bachelor's thesis 1974 Faculty of Technology and Metallurgy - Beograd Technological Engineering List of courses being held by the teacher in the accredited study programmes Study programme name, study type 1. E0S42 Renewable sources and environmental protection Energy - Lingering - Renewble Sources of Electrice Energy. Undergraduate Professional Studies 2. Z105 Energy and Environment (Z01) Safety at Work, Undergraduate Academic Studies 3. Z105A Energy and the environment (Z01) Safety at Work, Undergraduate Academic Studies 4. Z204A Monitoring of the Living Environment (Z01) Environmental Engineering. Undergraduate Academic Studies 5. Z205 Sustainable Use of Natural Resources and Environmental Protection System (G10) Geodesy and Geomatics, Undergraduate Academic Studies 6. Z309A Solid Waste Management (Z01) Environmental Engineering. Undergraduate Academic Studies 7. Z401B Design and Planning in Environmental Engineering (Z02) Environmental Engineering. Undergraduate Academic Studies 8. Z401B Design and Planning in Environmental Engineering <td>Acad</td> <td>emic title el</td> <td>ection:</td> <td>2006</td> <td>Faculty of Technical Sci</td> <td>ences - Novi S</td> <td>ad</td> <td>Environment Protection Engineering</td>	Acad	emic title el	ection:	2006	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering	
Bachelor's thesis 1974 Faculty of Technology and Metallurgy - Beograd Technological Engineering List of courses being held by the teacher in the accredited study programmes Study programme name, study type ID Course name Study programme name, study type 1. E0842 Renewable sources and environmental protection (E01) Power Engineering - Renewable Sources of Electrice Energy and Environment 2. Z1056 Energy and the environment (Z20) Environmental Engineering. Undergraduate Academic Studies 3. Z106A Energy and the environment (Z01) Safety at Work. Undergraduate Academic Studies 4. Z204A Monitoring of the Living Environment (Z01) Calmormental Engineering. Undergraduate Academic Studies 5. Z205 Sustainable Use of Natural Resources and Environmental Protection System (G10) Geodesy and Geomatics. Undergraduate Academic Studies 6. Z309A Solid Waste Management (Z01) Safety at Work. Undergraduate Academic Studies 7. Z401A Design and Planning in Environmental Protection (Z00) Environmental Engineering. Undergraduate Academic Studies 8. Z401B Design and Planning in Environmental Engineering (Z20) Environmental Engineering. Undergraduate Academic Stud	PhD	thesis		1984	Faculty of Technology a	nd Metallurgy -	Beograd	Technological Engineering	
List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1. E0842 Renewable sources and environmental protection (E01) Power Engineering - Renewble Sources of Electricc Energy. Undergraduate Protestional Studies 2. Z105 Energy and Environment (Z01) Safety at Work, Undergraduate Academic Studies 3. Z105A Energy and the environment (Z01) Safety at Work, Undergraduate Academic Studies 4. Z204A Monitoring of the Living Environment (Z01) Safety at Work, Undergraduate Academic Studies 5. Z205 Sustainable Use of Natural Resources and Environmental Protection System (Gi0) Geodesy and Geomatics, Undergraduate Academic Studies 6. Z309A Solid Waste Management (Z01) Safety at Work, Undergraduate Academic Studies 7. Z401A Design and Planning in Environmental Engineering Undergraduate Academic Studies 8. Z409B Design and Planning in Environmental Engineering (Z20) Environmental Engineering, Undergraduate Academic Studies 9. Z409A Hazardous Waste Management and Recycling (Z20) Environmental Engineering, Undergraduate Academic Studies 10. Z309A	Magi	ster thesis		1977	Faculty of Technology a	nd Metallurgy -	Beograd	Technological Engineering	
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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name	e and last n	ame:			Milojević D. Z	oran			
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad				
starting date:					27.10.1997				
Scien	ntific or art f	ield:			Machine Elements, Construction Principles, Machine and Mechanizm				
Acad	emic cariee	er	Year	Institution			Field		
Acad	emic title el	ection:	2008	University of Novi Sad -	Novi Sad		Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication		
PhD 1	thesis		2008	University of Novi Sad -	Novi Sad		Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication		
Magis	ster thesis		2002	Faculty of Technical Sci	ences - Novi S	ad	Machine Tools, Flexible Technological Systems and Automatization Processes Design		
Bach	elor's thesis	6	1995	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
List o	f courses b	eing hel	d by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	EOS03		mentals in I nts and Mat	Mechanical Engineering(N terials)	lachine		ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
2.	F202	Funda	mentals in I	Mechanical Engineering		Académic			
						Undergrad	chanization and Construction Engineering, uate Academic Studies		
3.	M108	M108 Engineeri		ineering Graphic Communications		(M30) Energy and Process Engineering, Undergraduate Academic Studies			
		Ū	0		Ĺ	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
						Studies	duction Engineering, Undergraduate Academic		
4.	M2610	Graphi	c Commun	ications and CAD		, ,	H00) Mechatronics, Undergraduate Academic Studies		
5.	S012	Descri	ptive Geom	etry and Engineering Dra	wing	Académic			
					(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
6.	IA013	Interac	tive Engine	eering Graphics		(F10) Eng Studies	ineering Animation, Undergraduate Academic		
7.	ZC007	Engine	ering Grap	hic Communications		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
8.	M2511	Metho	dology of D	esign		(M22) Meo Academic	chanization and Construction Engineering, Master Studies		
9.	AID04	Haptic	devices us	age in the virtual environn	nent	(F20) Eng	ineering Animation, Doctoral Academic Studies		
Rep			,	num 5, not more than 10)					
1.	Novom S	adu, 20	04. god. (3	56 strana)	-		ik, br 166, ISBN 86-499-0131-5., Univerzitet u		
2.		c Journa	I of Manufa				ENT OF VIRTUAL MANUFACTURING", itehnica, Timisoara, Romania, pp: 48-54, 2007.		
3.							FOR REAL'TIME VERIFICATION OF NC ccuracy Increasing problems, Wroclaw, 2007.		
4.	4. Obradović, R., Milojević, Z: PLANE SECTION OF CONE AND CYLINDER IN COMPUTER GEOMETRY, Facta Universitatis, Series Architecture and Civil Engineering, Vol. 3, No.2, Niš 2005., pp. 195-207								
5.	Milojević, Z., Zeljković, M., Navalušić, S., Milisavljević, B., Gatalo, R.:" ANALYSIS OF THE ISOPARAMETRIC HEXAHEDRAL . ELEMENTS ACCURACY IN THE FEM STRUCTURAL ANALYSIS OF THE MAIN SPINDLE ASSEMBLY", Journal of Machine Engineering, Vol.2 No. 1-2, Open and Global Manufacturing Design, Wroclaw, 2002. god., pp. 193-203								
6.	Marjanović N., Isailović B., Marjanović V., Milojević Z., Blagojević M., Bojić M.: A practical approach to the optimization of gear trains with spur gears, Mechanism and Machine Theory, 2012, Vol. 53, pp. 1-16, ISSN 0094-114X								
7.				ilankov M., Obradović R., 1, Vol. 5, No 5, pp. 1211-			ethodology for 3D femur approximate model		



PLANTEN		UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	HO		
Re	Representative refferences (minimum 5, not more than 10)							
8.	8. Milojević Z., Navalušić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray , HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991							
9.		., Savić D., Milojević Z.: Geometric s Traumatol Arthrosc, 2012, Vol. 20				CL graft, Knee		
10.	in the Proce	R., Petter O., Vidaković M., Popkon ess of CAD Model Design (prihvaće I, 2/3, ISSN 1840-1503						
Su	Summary data for teacher's scientific or art and professional activity:							
Quot	Quotation total : 0							
Tota	I of SCI(SSCI)) list papers :	5					
Curr	ent projects :		Domestic :	1	International :	0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Acade Name		ame:			i iviirovic+) iva	na	Mirović Đ. Ivana			
Name	inic ille:		Name and last name: Academic title:				Mirović Đ. Ivana Lecturer			
	Name of the institution where the teacher works full time and									
starting date:				acher works full time and	01.04.1990		lices - Novi Sau			
	ific or art fi	eld:			English					
Acade	Academic carieer Year Institution						Field			
Acade	mic title el	ection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	English			
Bache	lor's thesis	6	1984	Faculty of Philosophy - N	Novi Sad		English			
List of	courses b	eing hel	ld by the tea	acher in the accredited stu	udy programme	s	-			
	ID	Course	e name			Study pro	gramme name, study type			
1.	AEJ1L	English	h Language	- Elementary		(A00) Arch	nitecture, Undergraduate Academic Studies			
2.	AEJ2L	English	h Language	intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies			
3.	AEJ2Z	English	h intermedia	ate		(A00) Arch	nitecture, Undergraduate Academic Studies			
4.	AEJ3Z	English	h Language	- upper intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies			
						(G00) Civi	I Engineering, Undergraduate Academic Studies			
							chanization and Construction Engineering, uate Academic Studies			
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies			
5.	EJ01L	English Language – Elementary					hnical Mechanics and Technical Design, uate Academic Studies			
					(P00) Production Engineering, Undergraduate Academic Studies					
						(S00) Traffic and Transport Engineering, Undergraduate Academic Studies				
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
						ver, Electronic and Telecommunication g, Undergraduate Academic Studies				
					(F00) Gran Academic	phic Engineering and Design, Undergraduate Studies				
						(MR0) Mea Undergrad	asurement and Control Engineering, uate Academic Studies			
6.	EJ01Z	English	h Language	- Elementary		(Z01) Safety at Work, Undergraduate Academic Studies				
						(ZC0) Clea	an Energy Technologies, Undergraduate Studies			
				(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies					
					(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic				
							ver, Electronic and Telecommunication g, Undergraduate Academic Studies			
						(F00) Gran	phic Engineering and Design, Undergraduate Studies			
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies				
7.	EJ02L	Englisł	h Language	- Pre-Intermediate		Undergrad	asurement and Control Engineering, uate Academic Studies			
				(Z01) Safe	ety at Work, Undergraduate Academic Studies					
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies			
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies				
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic			

SITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

~f	agurage h	aina h	ald by #	o toobo	r in tha	a a a ra dita d	atudy a	roaromoo
C) I	courses o	eina n	ею ох п	ie ieache	r in ine a	accreanea	SILICIV D	rogrammes

List	of courses b	eing held by the teacher in the accredited study programme	d study programmes				
LISU		enig field by the teacher in the accredited study programme					
	ID	Course name	Study programme name, study type				
			(I10) Industrial Engineering, Undergraduate Academic Studies				
8.	EJ02Z	English Language Dro Intermediate	(I20) Engineering Management, Undergraduate Academic Studies				
0.	EJUZZ	English Language – Pre-Intermediate	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies				
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies				
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies				
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
			(Z20) Environmental Engineering, Undergraduate Academic Studies				
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
	EJ04L	English Language – Upper Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies				
10.			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
			(Z20) Environmental Engineering, Undergraduate Academic Studies				
			(E20) Computing and Control Engineering, Undergraduate Academic Studies				
			(ES0) Power Software Engineering, Undergraduate Academic Studies				
			(F10) Engineering Animation, Undergraduate Academic Studies				
11.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies				
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				
			(AH0) Architecture, Master Academic Studies				
			(E20) Computing and Control Engineering, Undergraduate Academic Studies				
			(F10) Engineering Animation, Undergraduate Academic Studies				
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies				
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				



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



Study Programme Accreditation

FOI	LANTEN	UNDERGRADUATE ACADEMIC STUDIES	Energy and Process Engineering			
List o	of courses b	eing held by the teacher in the accredited study programme	es			
	ID	Course name	Study programme name, study type			
			(E20) Computing and Control Engineering, Undergraduate Academic Studies			
			(ES0) Power Software Engineering, Undergraduate Academic Studies			
			(F10) Engineering Animation, Undergraduate Academic Studies			
13.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
			(AH0) Architecture, Master Academic Studies			
			(E20) Computing and Control Engineering, Undergraduate Academic Studies			
			(F10) Engineering Animation, Undergraduate Academic Studies			
14.	EJ3L	English Language – Advanced	(Gl0) Geodesy and Geomatics, Undergraduate Academic Studies			
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies			
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studie			
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies			
23.	EJM	English Language – ESP Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies			
20.	Low		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
			(P00) Production Engineering, Undergraduate Academic Studies			
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies			
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies			
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies			
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies			
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies			

Undergraduate Academic Studies



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

courses beir	na held by the	teacher in the	accredited study	programmes

List c	of courses b	courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type					
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies					
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies					
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies					
34.	EJIIM	English for Specific Purposes	(110) Industrial Engineering, Undergraduate Academic Studies (120) Engineering Management, Undergraduate Academic Studies					
35.	ETI05	English language - Elementary	(E02) Electronics and Telecommunications, Undergraduate Professional Studies					
			 (E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic 					
36.	EJ1Z	English Language - Elementary	Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies					
			 (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies 					
			(AH0) Architecture, Master Academic Studies					
			(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate					
			Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies					
37.	EJ2Z	English Language – Intermediate	 (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, 					
			(SEC) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies					
			(AH0) Architecture, Master Academic Studies					
38.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies					
39.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies					
40.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies					
41.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies					
Rep	oresentative	e refferences (minimum 5, not more than 10)						
1.		nonografije: Nenad Teofanov: Ultramodulation Spaces and I						
2.	Prevod publikacije o Fakultetu tehničkih nauka, Faculty of Technical Sciences, 2004							
3.		ogdanović i Ivana Mirović: Engleski jezik 1 za grafičko inžen						
4. 5.	I. Mirović		erstvo i dizajn, FTN izdavaštvo, Novi Sad, 2011 kog jezika na FTN u Novom Sadu. međunarodna konferencija					
6.	V. Bogda	ike, teorija i praksa, Beograd, 2008 nović, I. Mirović, B. Ličen: Kreiranje udžbenika za engleski j	jezik za studente različitog predznanja, međunarodna					
7.	I. Mirović	cija Jezik struke, teorija i praksa, Beograd, 2008 , B. Ličen, V. Bogdanović: Summarization skills of engineeri Rumosca, Challanges and Bragnasta, Balarada, 2011	ing students reading in a second language, Language for					
	Specific Purposes, Challenges and Prospects, Belgrade, 2011							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Demasce antestica aufferrances	(main inclusion F in at inclusion theory 10)	
Representative refrerences	(minimum 5, not more than 10)	

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





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

		anno.			Mitrović M. Slavica				
	Name and last name: Academic title:					Assistant Professor			
Name of the institution where the teacher works full time and									
starting date:					01.10.2005				
Scientific or art field:					Production Systems, Organization and Management				
Academic carieer Year Institution					Field				
Acad	emic title el	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Production Systems, Organization and Management		
PhD	thesis		2011	Faculty of Technical Science	ences - Novi Sa	ad	Engineering Management		
Magi	ster thesis		2007	Faculty of Technical Science	ences - Novi Sa	nces - Novi Sad Engineering Management			
Bach	elor's thesis	S	2004	Faculty of Technical Sci	ences - Novi Sa	ad	Production Systems, Organization and Management		
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	S			
	ID Course name				Study pro	ogramme name, study type			
		Inform	ation Cuata	- Fasiassias		(E20) Computing and Control Engineering, Undergraduate Academic Studies			
1.	E2I41 Information System Engineering					tware Engineering and Information Technologies, luate Academic Studies			
2.	EOS33	Entrep	reneurial m	anagement		Ènergy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
3.	S002A	Econo	mics			(S00) Traffic and Transport Engineering, Undergraduate Academic Studies			
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies			
4.	ll121	Principles of economics				Undergrad	SII) Software and Information Technologies (Inđija), ndergraduate Professional Studies		
5.	1120	Principi menadžmenta(uneti naziv na engles			skom)	Studies			
6.	1201	1 Preduzetništvo(uneti naziv na engleskom)				Studies	ronmental Engineering, Undergraduate Academic		
7.	7. II1041 Innovation and Entrepreneurship					(110) Industrial Engineering, Undergraduate Academic Studies			
		E-t				Studies	neering Management, Undergraduate Academic		
8.	IM1005	Entrepreneurship				(Z01) Safety at Work, Undergraduate Academic Studies			
						(Z20) Environmental Engineering, Undergraduate Academic Studies			
		11007 Principles of engineering management				Studies	neering Management, Undergraduate Academic		
9.	IM1007					Academic			
					Undergrad	aster Risk Management and Fire Safety, uate Academic Studies			
10.	IM1215	-	-	mall and medium size ente	erprises	Studies	neering Management, Undergraduate Academic		
11.	IM1218	Models of open innovations and corporate entrepreneurship				(I20) Engineering Management, Undergraduate Academic Studies			
12.	IMDS97	Entrepreneurial Management				(I22) Engineering Management, Specialised Academic Studies			
13.	MBA304	Business Strategies				(IB0) Engineering Management - MBA, Specialised Professional Studies			
14.	NIT07	Management Skills				(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies			
15.	IMDS66	S66 Managerial decision-making				 (GI0) Geodesy and Geomatics, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies 			

as a	AS STUD		UNIVERSITY OF NO	VI SAD	INKNX .			
A A	NULL DIO	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSITEJA OBRADOVIĆA 6	SUM			
23	5	Study F	Programme A	ccreditation				
FOR	VANTEN	UNDERGRADUATE ACADEMIC	0	Energy and Process Engineering	HOST			
List c	of courses b	eing held by the teacher in the accred	lited study programme	S				
	ID	Course name		Study programme name, study type				
16.	IMDR97	Entrepreneurial Management		(I20) Industrial Engineering / Engineering Doctoral Academic Studies	Management,			
17.	IMDR66	Managerial decision-making		(I20) Industrial Engineering / Engineering Doctoral Academic Studies	Management,			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.		S., Grubić-Nešić, L ., Milisavljević, S., tional Culture. E+M Ekonomie a Mana		Babinkova (in press) Manager's Assessmer 609.	nt of			
2.		MITROVIĆ, Bozidar LEKOVIĆ, Valent ROM SERBIA.Metalurgia Internation		; (in press). EMPLOYEE TIME MANAGEM Vol. (1).	ENT: A CASE			
3.				012). LEADER-MEMBER EXCHANGE: A \$ SN 1582 – 2214. Vol.17 (11), pp. 146-153.	SHORT CASE			
4.	COMPET	Melović, B., Mitrović, S., Milisavljević, S., Pejanović, R., Ćelić, Đ. (2012). RESEARCH OF CONSUMPTION AND COMPETITIVENESS OF HOMEMADE PRODUCTS FOR MANUFACTURING IMPROVEMENT: CASE STUDY FROM MONTENEGRO. African Journal of Agricultural Research. ISSN 1991-637X .Vol. 7(26), pp. 3757-3764.						
5.	S. Mitrovic, S. Milisavljevic, I. Cosic, B. Lekovic, L. Grubic-Nesic, A. Ivanisevic: Changes in leadership styles in a transitional economy: A Serbian case study, African Journal of Business Management, Vol. 5(9), pp. 3563-3569, 4 May 2011. ISSN 1993-8233 Academic Journals.							
6.	Mitrović, S., Nikolić, J., Milisavljević, S., Ćosić, I. (2012). Factors influencing managerial decision-making in industrial systems, International symposium on industrisl enigneering-SIE, Belgrade. Proceeding page 67-73. ISBN 978-86-7083-758-4 (COBISS:SR-ID 191329292).							
7.	Internatio		cruitment in the light of	JCATION AS AN EMPLOYMENT-INFLUEN f entrepreneurship", organized by Faculty o				
8.	Mitrović, S., Milisavljević, S., Melović, B., Grubić-Nešić, L. (2012). Strategic management in the function of overcoming economical crizes, 17 th International Scientific Symposium Strategic management and Decision Support Systems in Strategic Management, Palic-Subotica. ISBN 978-86-7233-305-3 (COBISS.SR-ID 250924295).							
9.	Leposava GRUBIC-NESIC, Sanja VRNJES, Biljana RATKOVIC-NJEGOVAN, Slavica MITROVIC (2012). ATTITUDES OF THE EMPLOYEES ABOUT THE ORGANIZATIONAL RESTRUCTURING: A SAMPLE OF ORGANIZATIONS IN SERBIA. Metalurgia International, ISSN 1582 – 2214. Vol.17 (12), pp. 153-160.							
10.	Lošonc (Losoncz) A., Ivanišević A., Mitrović S.: Strukturalna kriza: forme i uzroci, Novi Sad, Fakultet tehnickih nauka, 2012, str. 1-232, ISBN 978-86-7892-375-3, UDK: 268964871							
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
	ation total :		0					
Total	of SCI(SS	CI) list papers :	8		-			

Domestic :

2

Current projects :

0

International :



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Acad		ame.								
		Name and last name: Academic title:					Nađ F. Laslo Associate Professor			
Nam										
Name of the institution where the teacher works full time and starting date:					01.05.1977					
Scientific or art field:					Electronics					
Academic carieer Year Institution							Field			
Acad	demic title el	ection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Electronics			
PhD	thesis		1992	Faculty of Technical Sci	ences - Novi S	ad	Electronics			
Mag	ister thesis		1983	Faculty of Electronic Eng	gineering - Niš					
Bachelor's thesis 1977 Faculty of Technical Scier										
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s				
	ID	Course name				Study programme name, study type				
1.	EM304	Impulse and Digital Electronic Circuits				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication				
							g, Undergraduate Academic Studies			
2.	EM436	Mecha	itronics			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies			
3.	EM440	Comp	uter-Aided E	Electronic Circuit Design			Power, Electronic and Telecommunication eering, Undergraduate Academic Studies			
4.	H305	Analou	ugue Electro	onics		(H00) Mec	chatronics, Undergraduate Academic Studies			
5.	H309	Impuls	Electronics	3		(H00) Mechatronics, Undergraduate Academic Studies				
6.	H311	Application of Sensors and Actuators				(H00) Mechatronics, Undergraduate Academic Studies(E10) Power, Electronic and TelecommunicationEngineering, Undergraduate Academic Studies				
7.	BMI110	Sensors and actuators in medicine				(BM0) Bio Studies	medical Engineering, Undergraduate Academic			
8.	BMI99	Electronics				(BM0) Bio Studies	medical Engineering, Undergraduate Academic			
9.	E138A	Digital Electronics				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
10.	EM301A	Analog Microelectronic Circuits				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
11.	EM436A	Mecha	atronics			Engineerin	10) Power, Electronic and Telecommunication ngineering, Undergraduate Academic Studies			
12.	DE400S	Compl	ex Digital S	ystems and High Frequer	ncy Circuits		ower, Electronic and Telecommunication ring, Specialised Academic Studies			
13.	DE501S	Select	ed Chapter	s in Pulse and Analogue E	Electronics	Èngineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies			
14.	EM530	Select	ed Chapter	s in Impulse Electronics		Èngineerin	er, Electronic and Telecommunication g, Master Academic Studies			
15.	SI032	Selected Chapters in Mechatronics					ver, Electronic and Telecommunication g, Specialised Professional Studies			
16.	BMIM1B	EMI and EMC in medicine equipment				(BM0) Biomedical Engineering, Master Academic Studie				
17.	EM406A	High-Frequency Digital Systems and Circuit			ts	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies				
18.	DE400	Complex Digital Systems and High Frequency Circuits			ncy Circuits	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies				
19. DE501 Selected Chapters in Pulse and Analogue Electronic					Electronics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies				
Re	Representative refferences (minimum 5, not more than 10)									
1.							ess Embedded Resonant Pressure Sensor 9, No 12, pp. 1956-1962, ISSN 1530-437X			
2.	 L. Juhas, A. Vujanić, N. Adamović, L. Nagy, B. Borovac, "A Platform for Micro-Positioning Based on Piezo-Legs", The Journal of Mechatronics, Vol. 11 (2001), pp.869-897. 									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Re	Representative refferences (minimum 5, not more than 10)							
3.	Damnjanović M., Živanov Lj., Nađ L., Đurić S., Biberdžić B.: A Novel Approach to Extending the Linearity Range of Displacement Inductive Sensor , IEEE Transactions on Magnetics, 2008, Vol. 44, No 11, pp. 4123-4126, ISSN 0018-9464							
4.	Nađ L., Radić J., Đugova A., Videnović-Mišić N Generator, Informacije MIDEM - Journal of mic							
5.	Đurić S., Nađ L., Damnjanović M., Đurić N., Živanov Lj.: A novel application of planar-type meander sensors, Microelectronics International, 2011, Vol. 28, No 1, pp. 41-49, ISSN 1356-5362							
6.	Radić J., Đugova A., Nađ L., Videnović-Mišić M.: Feedback Influence on Performance of Ring Oscillator for IR-UWB Pulse Generator in 0.18µm CMOS technology, 28. International Conference on Microelectronics – MIEL, Niš: IEEE, 13-16 Maj, 2012, pp. 357-360, ISBN 978-1-4673-0235-7, UDK: 10.1109/MIEL.2012.6222873							
7.	Nađ L., Babković K., Krklješ D., Borovac B.: Elastic Foot Contact Force Sensor System — Pendulum Application Example, 14. International Power Electronics and Motion Control Conference EPE-PEMC, Ohrid, 6-9 Septembar, 2010, pp. 38-38, ISBN 978-1- 4244-7856-9							
8.	Babković K., Nađ L., Krklješ D.: Optical Sensor for Vibration Monitoring with Automatic Operating Point Adjustment, 28. International Conference on Microelectronics – MIEL, Niš, 13-16 Maj, 2012, pp. 189-192, ISBN 978-1-4673-0235-7							
9.	Radić J., Đugova A., Nađ L., Videnović-Mišić M.: Body Bias Influence on Ring Oscillator Performance for IR-UWB Pulse Generator in 0.18µm CMOS technology, 47. International Scientific Conference on Information, Communication and Energy Systems and Tehnologies - ICEST, Veliko Trnovo, 28-30 Jun, 2012, pp. 82-85							
10.	Krklješ D., Babković K., Nađ L.: Specific Conductance Characteristic of Force Sensing Resistor (FSR) with Custom Made Single- gap Conductive Contacts, 2. ICMAST-International Conference on Materials and Applications for Sensors and Transducers, Budapest, 24-28 Maj, 2012							
Su	Summary data for teacher's scientific or art and professional activity:							
Quot	tation total :	6						
Tota	l of SCI(SSCI) list papers :	5						
Curr	ent projects :	Domestic :	3	International :	1			





Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name:					Navalušić V. Slobodan				
Academic title:					Full Professor				
Name of the institution where the teacher works full time and									
starting date:					01.12.1975				
Scientific or art field:					Machine Elen	nents,Const	ruction Principles, Machine and Mechanizm		
Academic carieer Year Institution							Field		
Academic title election: 2006 Faculty of Technical Scier			ences - Novi Sad		Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication				
PhD thesis 1996 Faculty of Technica			Faculty of Technical Sci	siences - Novi Sad		Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication			
Magister thesis 1986 Faculty of Technical So			ences - Novi Sa	Machine Elements, Construction					
Bach	elor's thesis	S	1975	Faculty of Technical Sci	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics		
List c	of courses b	eing hel	ld by the te	acher in the accredited stu	idy programme	S			
	ID	Course	e name			Study pro	ogramme name, study type		
1.	A555	Perspe	ective			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
2.	EOS03	Fundamentals in Mechanical Engineering(N elements and Materials)			lachine) Power Engineering - Renewble Sources of Electrical gy, Undergraduate Professional Studies		
3.	F202	Fundamentals in Mechanical Engineering					Graphic Engineering and Design, Undergraduate mic Studies		
4.	GG03	Descriptive Geometry				(G00) Civil Engineering, Undergraduate Academic Studies			
5.	GI104	Descriptive Geometry in Geomatics				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
6.	M108	Engineering Graphic Communications				Undergrad (M30) Ene Academic (M40) Teo Undergrad	chanization and Construction Engineering, luate Academic Studies ergy and Process Engineering, Undergraduate Studies chnical Mechanics and Technical Design, luate Academic Studies duction Engineering, Undergraduate Academic		
7.	M2610	Graphi	ic Commun	ications and CAD			chatronics, Undergraduate Academic Studies		
8.	S012	S012 Descriptive Geometry and Engineering Draw			wing	(S00) Trat Academic	ffic and Transport Engineering, Undergraduate Studies tal Traffic and Telecommunications,		
						Undergraduate Academic Studies			
9.	IA013	Interactive Engineering Graphics				(F10) Eng Studies	ineering Animation, Undergraduate Academic		
10.	ASO5	Descriptive Geometry with Perspective 1					enic Architecture, Technique and Design, luate Academic Studies		
11.	ASO9	Descriptive Geometry with Perspective 2				(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies			
12.	ZC007	Engineering Graphic Communications				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
13.	M2511	Methodology of Design				(M22) Mechanization and Construction Engineering, Ma Academic Studies			
14.	M2655	55 Maintenance of Agricultural Machinery				(M22) Mechanization and Construction Engineering, Mas Academic Studies			
15.	,				(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studie				
16.	DM213	M213 Contemporary Methods of Designing and M Constructing			lachine	(M00) Me	chanical Engineering, Doctoral Academic Studies		
17.				nsmission	(M00) Me	chanical Engineering, Doctoral Academic Studies			
18.	AID04	Haptic	devices us	age in the virtual environn	nent	(F20) Eng	ineering Animation, Doctoral Academic Studies		

ANTERS STUDIORUM

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Representative refferences (minimum 5, not more than 10)

Rep	presentative renerences (minimum 5, not more tr	ian 10)							
1.	Milojević, Z., Navalušić, S., Zeljković, M.: " NC VERIFICATION AS A COMPONENT OF VIRTUAL MANUFACTURING", Academic Journal of Manufacturing Engineering, Vol. 5, No 2-2007., Editura Politehnica, žtimisoara, Romania, pp: 48-54, 2007. ISSN: 1583-7904								
2.	Milojević, Z., Navalušić, S., Zeljković, M.: " DE MACHINING PROGRAM", Journal Manufactur								
3.	Milojević, Z., Navalušić, S., Zeljković, M.: " AN EXACT APPROACH TO 3-AXIS MILLING NC SIMULATION AND VERIFICATION", Journal Manufacturing Engineering Vol.3, No.5, Kosicah, 2006., pp. 14-17								
4.	Milojević, Z., Navalušić, S., Zeljković, M:" DEVELOPMENT OF THE MODULE FOR VERIFICATION OF NC MACHINING PROGRAM ", Journal of Machine Engineering, Vol.5 No. 1-2, Intelligent Machines and factories, Wroclaw, 2005. god., pp. 177- 185								
5.	Zeljković, M., Zeljković, Ž., Navalušić, S., Milojević, Z.:" SOFTWARE SOLUTION DEVELOPMENT FOR THE GRINDING WHEEL PROFILING CYCLE ON THE CNC GRINDING MACHINE", Journal of Machine Engineering, Vol.4 No. 1-2, Machine tools and factories of the knowledge, Wroclaw, 2004. god., pp. 254-262								
6.	Desnica E., Letić D., Gligorić R., Navalušić S.: Implementation of information technologies in higher technical education, Metalurgia international, 2012, Vol. 17, No 3, pp. 76-82, ISSN 1582-2214								
7.	Milojević Z., Navalušić S., Milankov M., Obrad based on the X - ray , HealthMED, 2011, Vol. 5				ition determination				
8.	Desnica E., Letić D., Navalušić S.: Concept of education, Technics Technologies Education N								
9.	Milojević Z., Navalušić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991								
10.	Navalušić, S., R. Gatalo, M. Zeljković: Automated Gearbox Design Based on Principles of Expert System Building, JSPE Publication Series No.1, Advancement of Intelligent Production, edited by Eiji Usui, Elsevier Science B. V., Amsterdam - Lausanne - New York - Oxford - Shannon - Tokyo, 1994, pp. 45-50								
Sur	nmary data for teacher's scientific or art and prof	essional activity:							
Quot	ation total :	0							
Total	of SCI(SSCI) list papers :	4							
C	ent projects :	Domestic :	0	International :	0				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

				•				
Name and last name:			Nikolić M. Aleksandar					
			Associate Professor					
		titution v	vhere the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
	ng date: ntific or art f	iold:			01.10.1990 Mathematics			
	emic carie		Year	Institution	Mathematics		Field	
	emic title e		2008	Faculty of Technical Sci	onoon Novi S	ad	Mathematics	
	thesis	lection.	1997	Faculty of Sciences - No		au	Mathematics	
			1997	Faculty of Mathematics			Mathematics	
	ster thesis elor's thesis	<u> </u>	1992	Faculty of Sciences - No	0		Mathematics	
		-				2	Mathematics	
				acher in the accredited stu		.5		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	H103	Mathe	matics 1			(H00) Med	chatronics, Undergraduate Academic Studies	
							chanization and Construction Engineering, luate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
2.	M102	Mathe	matics 1				chnical Mechanics and Technical Design, luate Academic Studies	
							duction Engineering, Undergraduate Academic	
							ety at Work, Undergraduate Academic Studies	
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
3.	Z104	Mathe	matics 1			(ZP0) Disa	aster Risk Management and Fire Safety, luate Academic Studies	
						l o	ronmental Engineering, Undergraduate Academic	
						(Z01) Safety at Work, Undergraduate Academic Studies		
		Mathematics 2				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
4.	Z106					(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
5.	Z104	Matem	natika 1(une	eti naziv na engleskom)		(Z20) Environmental Engineering, Undergraduate Academic Studies		
6.	Z106	Matem	natika 2(une	ti naziv na engleskom)		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
7.	BMI91	Mathe	matics 1			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
8.	BMI92	Mathe	matics 2			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.	ETI03	History	y of science	and technology		(E02) Elec Profession	ctronics and Telecommunications, Undergraduate al Studies	
10.	IA001	Algebra				(F10) Eng Studies	ineering Animation, Undergraduate Academic	
11.	II1052	Mathematics 2				(I10) Indus Studies	strial Engineering, Undergraduate Academic	
						(110) Indus Studies	strial Engineering, Undergraduate Academic	
12.	IM1002	Mathe	matics 1			(120) Engineering Management, Undergraduate Academic Studies		
13.	IM1006	Mathematics 2				(I20) Engineering Management, Undergraduate Academic Studies		
14.	Z506	Viši ku	irs matemat	tike 1(uneti naziv na engle	eskom)		ronmental Engineering, Master Academic Studies	
<u> </u>								



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Poprocontativo rofforoncos	(minimum 5	not moro	than	10)	
Representative refferences	(minimum 5,	not more	man	10)	,

T C	Representative renerences (minimum 5, not more than 10)							
1.	Aleksandar Nikolić, About two famous results of Jovan Karamata, Archives Internationales D"Histoire des Sciences, n. 141, Vol. 48, 1998, pp. 353-373							
2.	Aleksandar Nikolić, Space and Time in the Apparatus of Infinitesimal Calculus, Review of Research, Faculty of Science, Mathematics Series 23, 1, 1993, pp. 199-218							
3.	Nevenka Adžić, Aleksandar Nikolić, Uvod u teo	oriju redova, FTN Nov	i Sad, 2001, s.	124				
4.	Irena Čomić, Aleksandar Nikolić, Diferencijalne	e jednačine, FTN Novi	Sad, 1999, s.	122				
5.	Aleksandar Nikolić, Jovan Karamata, život kro	z matematiku, Zadužb	ina Andrejević	, 1999, s.105				
6.	Marić, V., Nikolić, A., Vojislav G. Avakumović (1910-1990) - A Passionate Man of Mathematics, Ganita Bharati, Vol. 30, No. 1, 45- 60, 2008.							
7.	Nikolić, A., Karamata"s Proofs of Pappus-Pascal and Desargues Theorems, ICAM 2007, G.B. Pant University, India.							
8.	Nikolić, A., The Story of Majorisability as Karar 36, 4, 2009, 405-419.	mata"s Condition of Co	onvergence for	Abel Summable Series, H	listoria Mathematica,			
9.	Nikolić, A., Mathematical education in the Prov 109-124.	vince of Vojvodina with	nin the Habsbu	rg Monarchy, History of Ma	athematics, 41, 2010,			
10.	Aleksandar Nikolic, Mathematician Judita Cofman (1936–2001), Teaching Mathematics and Computer Science, Institute of Mathematics, and Faculty of Informatics, University of Debrecen, Hungary. 2012 Vol. X. Issue I, s. 91-115. ISSN 1589 - 7389							
Su	mmary data for teacher's scientific or art and prof	essional activity:						
Quo	uotation total : 0							
Tota	I of SCI(SSCI) list papers :	1						
Curr	ent projects :	Domestic :	2	International :	1			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

		D //			
Name and last name:	Obradović M. Ratko				
Academic title:		Full Professor			
Name of the institution where the teacher works full time and starting date:	02.09.1993	ulty of Technical Sciences - Novi Sad			
Scientific or art field:	Computer Gra	aphics			
Academic carieer Year Institution		4911100	Field		
Academic title election: 2012 Faculty of Technical Sci	iences - Novi Si	ad	Computer Graphics		
PhD thesis 2000 Faculty of Sciences - No			Computer Graphics		
Magister thesis 1997 Faculty of Sciences - No			Computer Graphics		
Bachelor's thesis 1993 Faculty of Technical Sci		ad	Machine Elements, Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication		
List of courses being held by the teacher in the accredited st	udy programme	s			
ID Course name		Study pro	gramme name, study type		
1. IA020 Advanced Display Technologies		(F10) Eng Studies	ineering Animation, Undergraduate Academic		
		Undergrad	chanization and Construction Engineering, uate Academic Studies		
2. M108 Engineering Graphic Communications		Academic			
		Undergrad	chnical Mechanics and Technical Design, uate Academic Studies		
		(P00) Production Engineering, Undergraduate Academic Studies			
3. S012 Descriptive Geometry and Engineering Dra	awina	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies			
		(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies			
4. IA006 Spatial Shape Design		Studies	ineering Animation, Undergraduate Academic		
5. IA009 3D Modeling		(F10) Engineering Animation, Undergraduate Academic Studies			
6. IA014 Advanced Engineering Animation		(F10) Engineering Animation, Undergraduate Academic Studies			
7. IGA013 Character Animation		(F10) Engineering Animation, Undergraduate Academic Studies			
8. IGA055 Special Visual Effects		(F10) Engineering Animation, Undergraduate Academic Studies			
9. IGB034 Video in Engineering Animation		(F10) Eng Studies	ineering Animation, Undergraduate Academic		
10. IGB340 Fundamentals of Engineering Animation		(F10) Eng Studies	ineering Animation, Undergraduate Academic		
11. ZC007 Engineering Graphic Communications		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
12. IA018 Computer Geometry		(F20) Eng	ineering Animation, Master Academic Studies		
13. AD0010 Advanced Animation and Video Post Techr Architecture	niques in		ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies		
		(E20) Con Academic	nputing and Control Engineering, Master Studies		
14. E2528 Computer game development		(SE0) Software Engineering and Information Technologies, Master Academic Studies			
15. IA005 History of Animation					
16. AIDO8 Advanced Interdisciplinary Scientific Visual	ization	(F20) Eng	ineering Animation, Doctoral Academic Studies		
Representative refferences (minimum 5, not more than 10)					
1. Milojević Z., Navalušić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray, HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Representative refferences (minimum 5, not more than 10)							
2.	Milojević Z., Navalušić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991						
3.	Bojić S., Golub M., Müller J., Obradović R., Martinov M.: Convective drying of naked seeded oil pumpkin seeds (Cucurbita pepo L.) in a medium scale batch dryer with different modes of air circulation., Zeitschrift für Arznei- und Gewürzpflanzen, 2012, Vol. 17, No 3, pp. 108-115, ISSN 1431-9292						
4.	Obradović R., Popkonstantinović B., Beljin B.: Polygons, rad je u štampi, Technics Technolog						
5.	Obradović R., Petter O., Vidaković M., Popkon in the Process of CAD Model Design (prihvaće Vol. 8, No 1, 2/3, ISSN 1840-1503						
6.	Obradović R., Vujanović M., Popkonstantinović B., Šiđanin P., Beljin B., Kekeljević I.: Fine Arts Subjects at Computer Graphics Studies at the Faculty of Technical Sciences in Novi Sad, rad je u štampi, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 1, ISSN 1840-1503						
7.	Obradović R., Obradović M., Mišić S., Popkonstantinović B., Petrović M., Malešević B.: Investigation of Concave Cupolae Based Polyhedral Structures and Their Potential Application in Architecture, rad je u štampi, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 3, ISSN 1840-1503						
8.	Milojević Z., Navalušić S., Obradović R., Milanl Femur and Screw Built into Human Knee, Acad ISSN 1583-7904						
9.	Obradović R.: The Plane Section of the Surfac 2005, Vol. 3, No 2, pp. 235-242, ISSN 0354-46				Engineering,		
10.	Obradović R., Milojević Z.: Plane section of co Civil Engineering, 2005, Vol. 2, No 3, pp. 195-2			Facta universitatis - series	Architecture and		
Su	mmary data for teacher's scientific or art and profe	essional activity:					
Quot	tation total :	50					
Tota	l of SCI(SSCI) list papers :	7			_		
Curr	ent projects :	Domestic :	0	International :	1		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name:					Oros V. Đura			
Academic title:			Assistant Professor					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:					05.11.1982			
Scier	ntific or art f	ield:			Power Electro	nics, Mach	ines and Facilities	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	lection:	2009	Faculty of Technical Science	ences - Novi Sa	ad	Power Electronics, Machines and Facilities	
PhD	thesis		2008	Faculty of Technical Science	ences - Novi Sa	ad	Electroenergetics	
Magi	ster thesis		1997	School of Electrical Engi	neering - Beog	rad	Power Electronics, Machines and Facilities	
Bach	elor's thesis	S	1982	Faculty of Technical Sci	ences - Novi Sa	ad	Electroenergetics	
List c	of courses b	eing he	ld by the te	acher in the accredited stu	idy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	H361	Contro	of Electric	al Drives		(H00) Med	hatronics, Undergraduate Academic Studies	
							chanization and Construction Engineering, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
							hnical Mechanics and Technical Design, uate Academic Studies	
2.	M109	Electric Machines and Power Electronics					asurement and Control Engineering, uate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
						(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
						Undergrad	chanization and Construction Engineering, uate Academic Studies	
					Academic			
3.	M112	Electrical Engineering and Electric Machine			s		hnical Mechanics and Technical Design, uate Academic Studies	
J.	11112				0	(P00) Proo Studies	duction Engineering, Undergraduate Academic	
						· · ·	fic and Transport Engineering, Undergraduate Studies	
							tal Traffic and Telecommunications, uate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
4.	E2315	Electri	Electrical Machines in Automatic Control Sy		vstems		asurement and Control Engineering, uate Academic Studies	
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
5.	EE419A	Testing	g of electric	al machines		Èngineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
6.	EE421A		0	and Calculation Software			er, Electronic and Telecommunication g, Undergraduate Academic Studies	
7.	ZR405A			ne harmful effects of electriver converters	icity in the	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
8.	ZR43A			regulations in electrical sy	ystems	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
9.	EE534			lotor Drives		(E10) Pow	er, Electronic and Telecommunication g, Master Academic Studies	
10.	M2541	Occup Machir		ety and Protection in Oper	ation with	(M22) Mee Academic	chanization and Construction Engineering, Master Studies	
11.	GS016	Lightin	g in Buildin	gs		(G10) Ene Studies	rgy Efficiency in Buildings, Specialised Academic	

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OPLANTEN

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List c	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study program	me name, study type			
12.	ZRD235	Systemic regulation in the field of oc and health	cupational safety	(Z01) Safety at	Work, Doctoral Academic St	udies		
13.	ZRD236	State and development of health and the field of electrical engineering	d safety at work in	(Z01) Safety at	Work, Doctoral Academic St	udies		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.		Marčetić D., Oros Đ.: Prediction of L r computation and mathematics in ele				ne international		
2.		Dros, Veran V. Vasić, Darko P. Marče Electric Power Components and Syste				nce parameter		
3.		Vasić V., Marčetić D., Kulić F.: Influe f Advances in Electrical and Compute				ss scheme,		
4.	Power El	Vasić V., Oros Đ.: Power factor correction control Conferences and Motion Control Conferences 8-1-4673-1971-3, IEEE catalog numb	ence, EPE-PEMC 2012					
5.	Rotor Sp	8., Oros Đ., Milićević D., Matić D., Vas eed Estimation, 31. Power Electronics 0, pp. 608-612, ISBN 978-3-8007-322	s, Intelligent Motion, Po					
6.		Marčetić D., Oros Đ., Kulić F.: Predic ce on Power Electronics and Applicat				3. European		
7.	on Neura	i Lj., Kulić F., Dumnić B., Oros Đ.: Fu I Network Applications in Electrical Er 210, ISBN 978-1-4244-2903-5						
8.		Vasić V., Oros Đ.: Power Quality Co 16. International Symposium on Powe						
9.	Reljić D., Milićević D., Adžić E., Dumnić B., Grabić S., Porobić V., Vekić M., Ivanović Z., Katić V., Vasić V., Marčetić D., Oros Đ., Čorba Z.: Modern Laboratory Tools for Experimental Research in the Field of Electric Drives, 15. International Symposium on							
10.	 Ostojić D., Vasić V., Dujić D., Oros Đ.: The Influence of Parameter Mismatch on Natural Field Orientation Controlled Induction Motor Speed Estimation, 1. International Conference on Power Electronics and Intelligent Control for EnergyConservation, Varšava, 6-19 Oktobar, 2005 							
	,	for teacher's scientific or art and profe	,					
	Quotation total : 3							
		CI) list papers :	4					
Curre	Current projects : Domestic : 1 International : 0							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name Produpt D Name of the institution where the teacher works full time and starting data: Faculty of Technical Sciences - Novi Sad Scientific or art field: Production Systems, Organization and Management Academic title clocition: 2011 Faculty of Technical Sciences - Novi Sad Photochion Systems, Organization and Management Production Systems, Organization and Management Academic title clocition: 2011 Faculty of Technical Sciences - Novi Sad Production Systems, Organization and Management Bacheor's thesis 2007 Faculty of Technical Sciences - Novi Sad Production Systems, Organization and Management Bacheor's thesis 1999 Faculty of Technical Sciences - Novi Sad Psychological Science 1st of courses bring held by the teacher in the accredited study programme Study programme name, study type 1. UR2P38 Selected Chapters in Psychology (ZPO) Disaster Risk Management, Undergraduate Academic Studies 2. IM1052 Engineering Management, Undergraduate Academic Studies (ZO) Engineering Management, Undergraduate Academic Studies 3. IM122 The theory and practice of organizational socialization (ZO) Engineering Management, Undergraduate Academic Studies 4.	Name and last name:			Pečujlija D. Mladen						
Name of the institution where the teacher works full time and starting date: Faculty of Technical Sciences - Novi Sad 01012007 01012007 Scientific or ant field: Production Systems, Organization and Management Academic title election: 2010 Faculty of Technical Sciences - Novi Sad Production Systems, Organization and Management Magister thesis 2010 Faculty of Technical Sciences - Novi Sad Production Systems, Organization and Management Magister thesis 2010 Faculty of Technical Sciences - Novi Sad Engineering Management Bachelor's thesis 1989 Faculty of Technical Sciences - Novi Sad Engineering Management 1 URZP38 Selected Chapters in Psychology (IZP0) Disaster Risk Management, Undergraduate Academic Studies 2 IM1052 Engineering Ethics (IZD) Engineering Management, Undergraduate Academic Studies 3 IM1820 The theory and practice of organizational socialization (IZD) Engineering Management, Undergraduate Academic Studies 4 IM1913 Research Methodology for Human Resources (IZD) Engineering Management, Undergraduate Academic Studies 5 IM1920 Organizational socialization (IZD) Engineering Management, Undergraduate Academic Stud										
atring date: 10.10.2007 Scientific or art fiel: Production Systems, Organization and Management Read=mic carler Year Institution Read=mic carler Year Institution Production Systems, Organization and Management Academic carler Year Production Systems, Organization and Management Management Production Systems, Organization and Management Bacheloris thesis 2010 Faculty of Technical Sciences - Novi Sad Production Systems, Organization and Management Bacheloris thesis 2010 Faculty of Technical Sciences - Novi Sad Engineering Management 1 UZP38 Selected Chapters in Psychology (2P0) Disaster Risk Management, Undergraduate Academic Studies 1 NUR22 Study programme name, study type 2 Numerical Management, Undergraduate Academic Studies 1 Numerical Management, Undergraduate Academic Studies <td colsp<="" td=""><td colspan="3"></td><td colspan="3"></td></td>	<td colspan="3"></td> <td colspan="3"></td>									
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ID Course name Study programme name, study type 1. URZP38 Selected Chapters in Psychology (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies 2. IM1062 Engineering Ethics (120) Engineering Management, Undergraduate Academic Studies 3. IM1820 The theory and practice of organizational socialization (120) Engineering Management, Undergraduate Academic Studies 4. IM1913 Research Methodology for Human Resources 1 (120) Engineering Management, Undergraduate Academic Studies 5. IM1920 Organizational socialization (120) Engineering Management, Undergraduate Academic Studies 6. IM1922 Value management (120) Engineering Management, Undergraduate Academic Studies 7. HR015 Ethical and legal aspects of human resources (120) Engineering Management, Specialised Professional Studies 8. 1077/S Ethica in Education (120) Engineering Management, Specialised Professional Studies 10. IMDS90 Data ACQUISITION, ANALYSIS AND (122) Engineering Management, Specialised Academic Studies 11. MM008 Audiovisual and media production (122) Engineering Management, Master Academic Studies	Bach	elor's thesis	s	1989	Faculty of Philosophy - I	Novi Sad		Psychological Science		
Image: Construct of the second seco	List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
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2. IM1052 Engineering Ethics Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies 3. IM1820 The theory and practice of organizational socialization (I20) Engineering Management, Undergraduate Academic Studies 4. IM1913 Research Methodology for Human Resources 1 (I20) Engineering Management, Undergraduate Academic Studies 5. IM1920 Organizational socialization (I20) Engineering Management, Undergraduate Academic Studies 6. IM1922 Value management (I20) Engineering Management, Undergraduate Academic Studies 7. HR015 Ethical and legal aspects of human resources (I20) Engineering Management - MBA, Specialised Professional Studies 8. I077/S Ethics in Education (I20) Engineering Management, Specialised Professional Studies 9. IMDS10 COGNITIVE MANAGEMENT (I22) Engineering Management, Specialised Academic Studies 10. IMDS99 Data ACOUISITION, ANALYSIS AND INTERPRETATION 2 (I20) Engineering Management, Specialised Academic Studies 11. MM008 Audiovisual and media production (I20) Engineering Management, Master Academic Studies 12. ZP506 Crisis Management Master Academic Studies 13. ZP515 <t< td=""><td>1.</td><td>URZP38</td><td>Select</td><td>ed Chapters</td><td>s in Psychology</td><td></td><td></td><td></td></t<>	1.	URZP38	Select	ed Chapters	s in Psychology					
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	19.	IMDR99					· · ·			
	20.	IMDR77	Select	ed Chapters	s from Human Resource N	Vanagement				

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study program	ne name, study type			
21.	IMDR84	Data ACQUISITION, ANALYSIS AN INTERPRETATION 1	D	(I20) Industrial E Doctoral Academ	Engineering / Engineering M nic Studies	anagement,		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.		M., Cosic, D (2010). An Orthodox Ch Between Man and God. American Jou			t Must Not Be the Creation	Primacy		
2.	Pecujlija,	M., Culibrk, D. (2012). Why we believ	ve the computer when	it lies. Computers	in Human Behavior, 28, 14	3-152		
3.		M., Cosic, I., Ivanisevic, V. (2011). A al Life Situations. Science and Engine		0	act Level vs The Professor's	s Moral Thinking		
4.		M., Azemovic, N., Azemovic, R. (201 opean Management Studies, 16, 3, 25		oductivity in transi	tion: employees' view in Ser	bia, Journal of		
5.	quality m	ki, V., Beker, I., Majstorovic, V., Pecu anagement principles application in c cal Engineering, 57, 11, 851-861						
6.		c, R, Radlovacki, V, Pecujlija, M, Kam s to be taken to improve quality in trar						
7.		M., Nerandzic, B., Perovic, V., Jevtic African Journal of Business Managen			ns in Serbian companies or	ganizational		
8.		M. et al (2010). "Employees' Attitude: stem", African Journal for Business an			sible Predictors of a High-P	erformance		
9.		Cosic, I, Sajfert, Z, Pecujlija, M, Parda RGIA INTERNATIONAL, 17, 2, 83-89		ols as Learning O	rganizations: Empirical Stud	y in Serbia.		
10.	D. Radlovacki, V, Pecujlija, M, Kamberovic, B, Jovanovic, R, Delic, M, Beker, I. (2012). Satisfaction of high school students with the applicability of their knowledge TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM,7, 2, 777-785							
Sur	Summary data for teacher's scientific or art and professional activity:							
Quot	Quotation total : 7							
Total	of SCI(SS	CI) list papers :	11					
Curre	ent projects	:	Domestic :	1	International :	1		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name:					Petrovački Lj. Nebojša			
Academic title:			Assistant Pro					
Name of the institution where the teacher works full time and			-					
	ng date:							
	ntific or art f				Automatic Co	ontrol and Sy	/stem Engineering	
	emic cariee		Year	Institution			Field	
	emic title el	lection:	2009	Faculty of Technical Sci			Automatic Control and System Engineering	
PhD	thesis		2008	Faculty of Technical Sci University of California,			Automatic Control and System Engineering	
Magi	ster thesis		2005	Angeles	LUS Angeles - I	_05	Automatic Control and System Engineering	
	elor's thesis	-	2000	Faculty of Technical Sci			Automatic Control and System Engineering	
List c	f courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(H00) Med	chatronics, Undergraduate Academic Studies	
1.	E226	Autom	atic Control	Systems			asurement and Control Engineering, uate Academic Studies	
							tware Engineering and Information Technologies - ndergraduate Academic Studies	
		8A Control Systems Technology				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
2.	E238A					(E20) Computing and Control Engineering, Undergraduate Academic Studies		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
3.	M3408	Automatic Control Systems					chnical Mechanics and Technical Design, uate Academic Studies	
4.	BMI125	Biological Control Systems				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
5.	EMSAU 1	Autom	atic Control	Systems in Electronics		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
6.	GG226	Autom	atic control	systems in geomatics		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
7.	GG99	Geosp	atial techno	logies - basics			aster Risk Management and Fire Safety, uate Academic Studies	
8.	M3409	Autom	atic control	systems		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
9.	AU509	Nonlin	ear Control	Sveteme		(E20) Con Academic	nputing and Control Engineering, Master Studies	
9.	70309			бузієніз		(MR0) Measurement and Control Engineering, Master Academic Studies		
						(E20) Computing and Control Engineering, Master Academic Studies		
10.	GIAU01	Geose	ensor netwo	rks		(MR0) Me Academic	asurement and Control Engineering, Master Studies	
						(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
11.	M3417	Applied industrial automatization				(M30) Energy and Process Engineering, Master Academic Studies		
12.	DGI018	Select	ed Chapter	s of Automatic Control Sys	stems	(GI0) Geo	desy and Geomatics, Doctoral Academic Studies	
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)				
1.							eme For Fractional Optimal Control Problems, iplinary Optimization, Springer, Berlin-Heidelberg	
2.						DFA pojača	avača, Doktorska disertacija, Fakultet tehničkih	
	^{2.} nauka u Novom Sadu, Novi Sad, decembar 2008. godine.							

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WHKHX H				
AND AND	ALL STOR	FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
NO. NEC		Study F	Programme A	ccreditatio	on	Total Contraction				
54	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	Re				
Rep	presentative r	efferences (minimum 5, not more th	an 10)							
3.		Jeličić, Nebojša Petrovački: On The on Numerical Simulation of Optica								
4.	Spontaneo	Jeličić, Nebojša Petrovački: Fractio us Emission, in Book of Abstracts o Francisco, California								
5.		Petrovački, Zoran D. Jeličić: Specifi Technology Transfer In Developing								
6.		Petrovački, Zoran D. Jeličić: Modelin uguese Conference on Automatic Co				ne Proceedings				
7.	6th IEEE In	Petrovački, Zoran D. Jeličić: Optima ternational Conference on Numeric September 11-14th 2006								
8.	Proceeding	Petrovački: Stationary Simulation of Is of The 10th World Multi-Conferen orida (co-chair of the session)								
9.		Petrovački: Erbium-Doped Fiber Am of California, San Diego, April 14th,		Department of Ele	ectrical and Computer Engir	neering of				
 10. 11.Nebojša Petrovački: Gain Regulation In Erbium-Doped Fiber Amplifiers, in The Proceedings of The IEEE EUROCON 2005: The International Conference on Computer As A Tool, November 21-24, 2005, Belgrade, Serbia 										
Sur	mmary data fo	or teacher's scientific or art and profe	essional activity:							
	tation total :		0							
	I of SCI(SSCI) list papers :	1		r	1				
Curre	ent projects :		Domestic :	0	International :	3				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	o and loot n				Petrović R. Jo			
-	e and last n	ame:			Associate Professor			
	emic title:						nces - Novi Sad	
	e of the insi ng date:	litution v	vnere the te	eacher works full time and	01.01.1982		inces - Novi Sau	
	tific or art f	ield:			Thermal Energetics			
Acad	emic caries	er	Year	Institution	Field			
Acad	emic title e	lection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Thermal Energetics	
PhD	thesis		2007	Faculty of Technical Sci			Thermal Energetics and Thermotechnics	
Magi	ster thesis		2002	Faculty of Agriculture - N	Novi Sad		Process Technics	
Bachelor's thesis 1978 Faculty of Technical Sc			ences - Novi S	ad	Thermal Energetics and Thermotechnics			
List c	of courses b	eing he	Id by the te	acher in the accredited stu	udy programme	es		
ID Course name				Study pro	ogramme name, study type			
1.	1079	Moder	n Energy T	echnologies			ergy Management, Master Academic Studies an Energy Technologies, Undergraduate Studies	
2.	M3304	Boiler	Plants			(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.	Z306	Proces	ss Engineer	ing		(Z20) Environmental Engineering, Undergraduate Academic Studies		
6.	Z306A	Process Engineering				(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
7.	Z412A	Proces	ss apparatu	s for protecting the enviro	nment	(Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	Z412	Proces engles		za zaštitu okoline(uneti na	ziv na	(Z20) Environmental Engineering, Undergraduate Academic Studies		
9.	M211	Measu	irement and	d Regulation		Academic		
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
10.	M3041	Cogen	eration faci	lities		Academic		
11.	M3494	Enera	v efficiency			(M30) Energy and Process Engineering, Undergraduate Academic Studies		
			,			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
12.	M3497	Enero	y audits			Academic		
			,			(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
12	MZE10	Enorm	Managam	ent		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
13.	13. M3518 Energy Management				(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
						(M50) Ene	ergy Management, Master Academic Studies	
14.	1079	Moder	n Energy T	echnologies		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
15.	1916	Energ	y Managem	ent in Industry		(M50) Ene	ergy Management, Master Academic Studies	
16.	1917	Energ	y Managem	ent in Buildings		(M50) Ene	ergy Management, Master Academic Studies	
17.	1078	Energe	etska politik	a		(M50) Ene	ergy Management, Master Academic Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

st of courses	being held by	the teacher ir	n the accredited	study programmes

						-
List o	of courses b	eing held by the teacher in the accred	dited study programme	es .		
	ID	Course name		Study program	me name, study type	
18.	M3515	Energy Systems		(M30) Energy a Studies	nd Process Engineering, M	aster Academic
				(M50) Energy N	lanagement, Master Acade	mic Studies
19.	M3518	Energy Management		(M30) Energy a Studies	nd Process Engineering, M	aster Academic
19.	1013310			(ZC0) Clean En Academic Studie	ergy Technologies, Underg es	raduate
20.	M3M01	Implementation of Energy Managem Buildings	nent in Industry and	(ZC0) Clean En Studies	ergy Technologies, Master	Academic
21.	M5025	Energy audits		(M50) Energy N	lanagement, Master Acade	mic Studies
22.	DM216	Energy Systems		(M00) Mechanic	cal Engineering, Doctoral Ad	cademic Studie
23.	DM217	Energy Management in Idustry		(M00) Mechanic	cal Engineering, Doctoral Ad	cademic Studie
24.	DM218	Contemporary Energy Technologies		(M00) Mechanic	cal Engineering, Doctoral A	cademic Studie
25.	DM219	Energy Politics		(M00) Mechanic	cal Engineering, Doctoral A	cademic Studie
26.	DM332	Energy Management in Buildings		(M00) Mechanic	cal Engineering, Doctoral A	cademic Studie
27.	DM333	Renewable Energy Resoruces		(M00) Mechanic	cal Engineering, Doctoral A	cademic Studie
Re	oresentative	e refferences (minimum 5, not more th	an 10)			
1.		at al: 24th International Conference or - ECOSS 2011, Novi Sad, 2011, page				act of Energy
2.	Ćosić I. a	at al: 4th Internationa Conference on E 7-5 (member of editorial team)		,	,	ISBN 978-86-
3.		ac, D., Menke, C., Vallikul, P., Petrovi , Energy, Vol. 34, No.4, pp. 465–475.	ć, J., Gvozdenac, B.: /	Assessment of po	tential for natural gas/based	d cogeneration
4.		R. PETROVIĆ, BRANKA GVOZDENA ng and development of heating system				
5.		AV V. KLJAJIĆ, JOVAN R. PETROVI hermal Sciences, Year 2012, Vol. 16,				ntegration in
6.		NAC D, PETROVIC J, GVOZDENAC 2011), pages 17-28, UDC: 662.76.035			rocedure Improvement, The	ermal Science,
7.		NAC D., PETROVIC J.: Survey of Ac Czechoslovakia, 1989, No 2, pp. 32-3		ork in Food Proce	essing Industry; ENCONET	NEWSLETTER
8.		IĆ Lj., MANOJLOVIĆ D., PETROVIĆ ehnologija mesa", Beorad, 1990., br. (PETROVIĆ J.: U	ticaj brzine hlađenja na kva	litet svinjskog
9.		Ć V., PETROVIĆ J.: Pokazatelji energ (SPETE), "Termotehnika", Beograd, 1			regnutu proizvodnju električ	ène i toplotne
10.		IC J., GVOZDENAC D., PERUNOVIC			al Performances in a Water	Heating Boiler
		for teacher's scientific or art and profe	,			
	ation total :		7			
	,	CI) list papers :	4			1
Curre	ent projects	:	Domestic :	3	International :	0



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	e and last n					Prša A. Miros				
	lemic title:	ame.				Associate Pro				
		itution v	vhere the te	acher works full tim	e and			nces - Novi Sad		
	ing date:					29.09.1975				
Scie	ntific or art f	ield:				Theoretical Electrotechnics				
Acad	lemic caries	er	Year	Institution				Field		
Acad	lemic title el	ection:	2010					Theoretical Electrotechnics		
PhD thesis 1986 Faculty of Technical So			cal Sci	ences - Novi Sa	ad	Electrical and Computer Engineering				
Mag	ister thesis		1974	Faculty of Natural Ljubljana	Scien	ces and Engine	eering -	Electrical and Computer Engineering		
Bach	elor's thesis	6	1971	Faculty of Natural	Scien	ces and Engine	eering -	Electrical and Computer Engineering		
List of courses being held by the teacher in the accredited s			ted stu	udy programme	s					
	ID Course name					Study pro	ogramme name, study type			
1.	EE300	Electro	omagnetics					er, Electronic and Telecommunication g, Undergraduate Academic Studies		
							(M20) Me	chanization and Construction Engineering, luate Academic Studies		
							(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
2.	M112	Electrical Engineering and Electric Machine			ic.	(M40) Tec Undergrad	chnical Mechanics and Technical Design, luate Academic Studies			
۷.	11112				.0	(P00) Production Engineering, Undergraduate Academic Studies				
							(S00) Traf Academic	ffic and Transport Engineering, Undergraduate Studies		
								tal Traffic and Telecommunications, uate Academic Studies		
3.	Z107	Electri	cal Enginee	ering, Environment a	and Pro	otection	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies			
4.	EE543	Electro	o Magnetic	Energy				0) Power, Electronic and Telecommunication ineering, Master Academic Studies		
5.	EM511	Quant	um and Org	ganic Electronics			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
Re	presentative	reffere	nces (minin	num 5, not more tha	in 10)					
1.				nem vodniku pravok , Fakulteta za elektro				at u pravom provodniku pravougaonog poprečnog		
2.				mizaciji cikličnog pre ka, Novi Sad, 1986.	etvara	nja energije u r	nagnetskim	kolima sa promenljivom reluktansom", doktorska		
3.				V. Bajović: Determi 007, Phuket, Tailan			dance, PSU	-UNS International Conference on Engineering		
4.				rša: Electric Field of nt – ICEE - 200, Phเ				ms, PSU-UNS International Conference on		
5.								F of Voltage Measuring Trnasformer, 8th do 5. Septembar, 2007.		
6.				Prša: Electric Field S tromagnetics PES 2				Three-Phase Power Lines , 8th International nbar, 2007.		
7.				An Accurate Determ ES 2007, Niš, Srbija				thin the Earth, 8th International Conference on		
8.	M. Prša:	Osnovi	elektrotehn	ike za studente neel	lektrot	ehničkih fakulte	eta, Novi Sa	d, Stylos, 1995. 248 str.		
9.				lektrotehnike za stuo str., ISBN 86-80249-		neelektrotehnič	kih fakulteta	a - zbirka zadataka, Novi Sad, FTN - Edicija		
Su				tific or art and profes		I activity:				
	tation total :			· · · ·	0					
Tota	l of SCI(SS	CI) list p	apers :		0					
Curr	ent projects	:			Dome	estic :	0	International : 0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	e and last n	ame:			Radišić M. M	laden		
	lemic title:				Assistant Professor			
Nam	e of the inst	itution v	where the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.10.2008			
Scier	ntific or art f	ield:			Production Systems, Organization and Management			
Acad	lemic cariee	er	Year	Institution	Field			
Acad	lemic title el	ection:	2012				Production Systems, Organization and Management	
PhD thesis 2011 Faculty of Technical Sci			ences - Novi S	ad	Engineering Management			
Bach	elor's thesis	S	2008	Faculty of Technical Scie	ences - Novi S	ad	Engineering Management	
Magister thesis -					Production Systems, Organization and Management			
List o	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.	IM1406	Investr	nents Risk	Management		(I20) Engir Studies	neering Management, Undergraduate Academic	
2.	IM1412	Funda	mentals of	technology investments		(I20) Engir Studies	neering Management, Undergraduate Academic	
3.	IM1420	Investr	ments in ini	novation systems		(I20) Engir Studies	neering Management, Undergraduate Academic	
4.	IM1421	Public	sector mar	nagement		Studies	neering Management, Undergraduate Academic	
5.	M3499	Energy markets				(M30) Energy and Process Engineering, Undergraduate Academic Studies		
6.	1075/S	/S Selected chapters of portfolio management				 (I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies 		
7.	IM001	Moder	n aspects o	of financial markets		(120) Engineering Management, Specialised Professional Studies (1B0) Engineering Management - MBA, Specialised Professional Studies		
8.	IM005	Interna	itional finar	ncial transactions		Studies	neering Management, Specialised Professional ineering Management - MBA, Specialised al Studies	
9.	IMDS47	Behav	ioral Corpo	rate Finance			neering Management, Specialised Academic	
10.	IMDS87	Financ	ial enginee	ring of public sector		Studies	desy and Geomatics, Specialised Academic neering Management, Specialised Academic	
11.	SZP003	Select	ed Chapter	s in Applied Management		Studies	neering Management, Specialised Professional ineering Management - MBA, Specialised al Studies	
12.	IM007	Moder	n aspects o	of public sector systems		(I20) Engi Studies	neering Management, Specialised Professional	
13.	IM2407	Interna	tional busi	ness and finance		(I20) Engir	neering Management, Master Academic Studies	
14.	IM2413	Enterp	rise portfol	io management			ergy Management, Master Academic Studies neering Management, Master Academic Studies	
15. IM2415 Investment Environment				 (M50) Energy Management, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studie 				
16.	IM2416	Quanti	tative meth	ods of risk management		(I20) Engir	neering Management, Master Academic Studies	
17.	IM2422	Busine	ess case st	udy solving		(I20) Engir	neering Management, Master Academic Studies	

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

-	ANTER	UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	-		
List c	of courses b	eing held by the teacher in the accred	dited study programme	s				
	ID	Course name		Study program	me name, study type			
18.	IM2423	Energy markets		(M50) Energy N	lanagement, Master Acader	nic Studies		
19.	IMDR87	Financial engineering of public sector	or	(I20) Industrial E Doctoral Acaden	Engineering / Engineering M nic Studies	anagement,		
Rep	oresentative	e refferences (minimum 5, not more th	ian 10)					
1.		D., Radišić M., Maksimović R., Radako n Petroleum Technology, 2012, Vol. 5			ce - An Example of Drilling F	Rig, Journal of		
2.	Radišić N No 1, pp.	/l., Nedeljković A.: 5C Model - Busine: 19-30, ISSN 1732-6729	ss case study solving r	nethodology, The	New Educational Review, 2	2012, Vol. 27,		
3.		., Radišić M., Dobromirov D.: Emergin mics, 2012, ISSN 1993-6788	ig markets - Galapagos	s for behavioral fi	nancial research (in print), A	ctual Problems		
4.		ov D., Radišić M., Kupusinac A.: Eme ss Management, 2011, Vol. 5, No 3,			isk versus growth potential,	African Journal		
5.		Dobromirov D., Radišić M.: Research ournal of Business Management, 201				profitability,		
6.		I., Marić B., Dobromirov D.: SMEs an of Serbia, African Journal of Business		•	,			
7.	Portfolio	ov D., Radišić M., Kupusinac A., Mar Investors' Decision Making , Internatio 3, ISSN 2217-2661						
8.		1.: Uređivanje časopisa International Engineering and Management - IJIEI				urnal of		
9.		/l., Ferenčak M., Igor S., Stankovski S f the European Union, 8. Augustin Co						
10.	Dobromirov D., Radišić M., Šenk V.: Attractiveness of Serbia for venture capital, 3. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, IEM Department, 27-29 Maj, 2010, pp. 219-226, ISBN 978-86-7892-250-3							
Sur	nmary data	for teacher's scientific or art and prof	essional activity:					
	ation total :		0					
	,	CI) list papers :	6					
Current projects : Domestic : 1 International : 2								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Acad Name	e and last n emic title:	ame.				1000			
Name	Academic title:				Radonić R. Je Assistant Pro				
	Name of the institution where the teacher works full time and						nces - Novi Sad		
	ng date:			acher works fuil time and	01.04.2004				
Scier	ntific or art f	ield:			Environment Protection Engineering				
	emic cariee		Year	Institution	Field				
	emic title el		2009	Faculty of Technical Sci	iences - Novi Sad		Environment Protection Engineering		
	thesis		2009	Faculty of Technical Sci			Environment Protection Engineering		
	Magister thesis 2006 University of Novi Sad -					Environment Protection Engineering			
<u> </u>	elor's thesis	S	2002	Faculty of Technology -			Technological Engineering		
List o	List of courses being held by the teacher in the accredited st				es				
	ID	_	e name		<u> </u>		gramme name, study type		
1.	URZP45	Mobile	Equipmen	t and Fire Extinguishing E	quipment		aster Risk Management and Fire Safety, uate Academic Studies		
2.	URZP61	Funda	mentals of	the Burning Processes Th	eory	Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
3.	Z102	Techn	ical Chemis	stry		Studies	ronmental Engineering, Undergraduate Academic		
4.	Z109	Chemi	cal Principl	es in Environmental Engir	neering	Studies	ronmental Engineering, Undergraduate Academic		
5.	Z305	Data A	analysis of I	Environmental Condition		Studies	ronmental Engineering, Undergraduate Academic		
6.	Z305A	Enviro	nmental da	ta analysis		(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate			
						Academic	Academic Studies (Z20) Environmental Engineering, Undergraduate Academic		
7.	Z102	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Studies			
8.	Z109	sredine	e(uneti naz	u inženjerstvu zaštite život iv na engleskom)	ne	(Z20) Environmental Engineering, Undergraduate Academic Studies			
						Undergrad	chanization and Construction Engineering, uate Academic Studies		
						Academic			
9.	Z151	Chemi	stry in Mec	hanical Engineering			chnical Mechanics and Technical Design, uate Academic Studies		
							duction Engineering, Undergraduate Academic		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
10.	Z153	Chemi	stry in Engi	ineering		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
11.	Z155	Chemi	cal Principl	es in Engineering		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
12.	Z600	Chemi	cal Phenon	nena in Engineering			aster Risk Management and Fire Safety, uate Academic Studies		
13.	Z503	Practic	cal Course i	in Environment Protection		(Z20) Envii	ronmental Engineering, Master Academic Studies		
14.	Z507	Physic	al and Che	mical Principles		(Z20) Envii	ronmental Engineering, Master Academic Studies		
15.	Z507	Fizičko	o hemijski p	rincipi(uneti naziv na engl	eskom)	(Z20) Envii	ronmental Engineering, Master Academic Studies		
16.	MPK005	Analys	sis of enviro	nmental protection systen	ns		enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
17.	SZD050		port and dis	tribution of pollutants in he	eterogeneous	(Z00) Environmental Engineering, Specialised Academic Studies			
18.	SZDO03	Applie	d Analysis	of Physical and Chemical	Parameters	(Z00) Envi Studies	ironmental Engineering, Specialised Academic		
19.	SZSP09	Reme	diation of co	ontaminated locations		(Z00) Envi Studies	ironmental Engineering, Specialised Academic		
20.	SZSP17		mene instru Inci u životr	mentalne metode analize noj sredini	zagađujućih	(Z00) Envi Studies	ironmental Engineering, Specialised Academic		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List c	ist of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study programme name, study type					
21.	HDOK11	Advanced Application of ICT in Agric	culture	(H00) Mechatronics, Doctoral Academic Studies					
22.	HDOL11	Advanced application of ICT in agric	ulture	(H00) Mechatronics, Doctoral Academic Studies					
23.	ZD050	Transport and distribution of pollutar multicomponent systems	nts in heterogeneous	(Z00) Environmental Engineering, Doctoral Academic Studies					
24.	ZDO03	Applied Analysis of Physical and Ch	emical Parameters	 (OM1) Mathematics in Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies 					
Rep	l presentative	refferences (minimum 5, not more th	an 10)	(201) Salety at Work, Doctoral Academic Studies					
1.	Turk Sek Kragujeva	ulić M., Radonić (Jakšić) J., Đogo M.:	Characterization of g And Humanity Issues	as/particle partitioning of PCBs and PAHs in a pilot area of n The Down Danubian Region: Multidisciplinary Approaches, 9-3					
2.		d during the war accident in Serbia		a J.: Gas/particle partitioning of persistent organic pollutants ce and Pollution Research, 2009, Vol. 16, No 1, pp. 65-72,					
3.	in air fron			a J.: Post-war levels of persistent organic pollutants (POPs) ds , Environmental Chemistry Letters, 2007, Vol. 5, No 3,					
4.	bound po	, Radonić (Jakšić) J., Turk Sekulić M. lycyclic aromatic hydrocarbons in the HEMIND120113062J, Hemijska indus	vicinity of the industria						
5.				vić M., Mihajlović I., Vojinović-Miloradov M.: Quantification of C, Chemicke Listy, 2012, Vol. 106, pp. 264-266, ISSN 1213-					
6.	antibiotics	/ilanović M., Grujić Letić N., Turk Sek s as emerging contaminant substance 2012, pp. 1-15, ISSN 0960-3123	ulić M., Radonić (Jakš s in aquatic environm	šić) J., Mihajlović I., Vojinović-Miloradov M.: Occurrence of ent DOI: 10.1080/09603123.2012.733934, INT J ENVIRON					
7.	coefficien industrial	t, KOA, as a predictor of gas-particle	partitioning of polycyc	J., Đogo M., Milovanović D.: The octanol-air partition ic aromatic hydrocarbons and polychlorinated biphenyls at , Vol. 76, No 3, pp. 447-458, ISSN 0352-5139, UDK: doi:					
8.	based on			k Sekulić M.: Prediction of gas-particle partitioning of PAHs . 115-124, ISSN 0354-9836, UDK: doi:					
9.	Polychlor		atic Hydrocarbons Us	., Okuka M.: Assessment of Atmospheric Distribution of ing Polyparameter Model, Hemijska industrija, 2011, Vol. 65,					
10.	traditiona		n of Urban and Suburb	vić I., Stošić M.: Emerging substances of concern – a shift in an Settlements, Novi Sad: Ecological Movement of Novi Sad,					
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		0						
Total	of SCI(SSC	CI) list papers :	2						
Curre	ent projects	:	Domestic :	3 International : 3					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	o and last n	ama:			Pakariá D. 7v	onko		
	e and last n emic title:	ianie.			Rakarić Đ. Zvonko Assistant Professor			
		hitution	whore the to	ophor works full time and	F 11 (T		nces - Novi Sad	
-	ng date:	litution v	vnere the te	acher works full time and	15.11.1999			
	ntific or art f	ield:			Mechanics			
	emic carie		Year	Institution	Field			
	emic title e		2012				Mechanics	
	thesis		2012	Faculty of Technical Sci	ences - Novi S	be	Technical Mechanics	
Magister thesis 2009 Faculty of Technical Sc						Mechanics		
					Mechanics			
Bachelor's thesis 1999 Faculty of Technical Sc List of courses being held by the teacher in the accredited st							Nechanics	
LISU		eing ne	id by the tea	acher in the accredited sit	udy programme	:5		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E104	Mecha	inics				ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
1.	2104	Weend					asurement and Control Engineering, uate Academic Studies	
2.	F107	Techn	ical Mechar	nics		(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies	
3.	GG14	Mecha	inics 2			(G00) Civi	I Engineering, Undergraduate Academic Studies	
4.	IAKI01	Select	ed Chapters	s in Kinematics		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
5.	M103	03 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.	M107	Mecha	inics 2			Undergrad (M30) Ene Academic (M40) Tec Undergrad	chnical Mechanics and Technical Design, uate Academic Studies duction Engineering, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
7.	M201	Mechanics 3				(M30) Energy and Process Engineering, Undergraduate Academic Studies		
<i>'</i> .	IVIZU I					(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						Studies	duction Engineering, Undergraduate Academic	
							chanization and Construction Engineering, uate Academic Studies	
8.	M2411	Theory	of Oscillati	on		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Prod Studies	duction Engineering, Undergraduate Academic	
9.	M4301	Comp	uter Method	s in Mechanics		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
10.	M45021	Compu	uter Method	s in Mechanics 2		(M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies	
Rep	oresentative	e reffere	nces (minim	num 5, not more than 10)				

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WHKHX H			
ALL SAL	OR BUILD	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSI	TEJA OBRADOVIĆA 6				
D. NE		Study Programme Accreditation							
4	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Energy	and Process Engineering	Ho			
Rep	presentative r	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-negativ	re real power restoring force	e, Journal of			
3.		Rakarić Z.: Study of oscillators with 2011, Vol. 64, No 3, pp. 293-304, IS				g, Nonlinear			
4.	Cvetićanin Computers	L., Kovačić I., Rakarić Z.: Asympto	tic methods for vibratio	ons of the pure fra	actional-order non-linear o	scillators,			
5.		Rakarić Z.: Oscillators with a fraction d, Communication in Non-linear Sci							
6.		Rakarić Z., Cvetićanin L.: A non-sir cs and Computation, 2010, Vol. 217			ertain class of non-linear c	oscillators , Applie			
7.	Rakarić Z.:	Oscillators with a quasi-constant re	estoring force: approxi	mations for motic	on, 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.		Kovačić I.: On the behaviour of for . International Congress of Serbian -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	mmary data fo	or teacher's scientific or art and profe	essional activity:						
Quot	tation total :		20						
Tota	I of SCI(SSCI) list papers :	6						
Curre	ent projects :		Domestic :	1	International :	1			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name: Failevic M. Nebojás Academic iffie: Full Professor Name of the institution where the teacher works full time and Faculty of Technical Sciences - Novi Sad Full Professor Academic Carlier Year Institution Field Academic Carlier Year Institution Field Academic Carlier Year Institution Field Academic Carlier 1997 Faculty of Sciences - Novi Sad Mathematical Sciences PhD thesis 1997 Faculty of Sciences - Novi Sad Mathematical Sciences Academic Stiences 1994 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programmes ID Course anne Study programme name, study type 1 H103 Mathematics 1 (H00) Machatronics, Undergraduate Academic Studies 2 H107 Mathematics 3 (M00) Energy and Process Engineering, Undergraduate Academic Studies 3 M4201 Mathematics 1 (H00) Machatronics, Undergraduate Academic Studies 4 M4202 Appled Mathematics 1 (M01) Technicial Machanit	Nom	o and loot n				Dolović M. Nr	haiža	
Name of the institution where the teacher works full time and factors Faculty of Technical Sciences - Novi Sad On 10, 1990 On 10, 1990 Academic till election: 2010 Academic till election: 1997 Faculty of Technical Sciences - Novi Sad Mathematics Academic till election: 1997 Faculty of Sciences - Novi Sad Mathematics Sciences Magister Thesis 1997 Faculty of Sciences - Novi Sad Mathematics Sciences Magister Thesis 1997 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses abeing held by the teacher in the accredited study programmes Mathematical Sciences List of courses abeing held by the teacher in the accredited study programmes (M00) Mechatronics, Undergraduate Academic Studies 1. H103 Mathematics 1 (H00) Mechatronics, Undergraduate Academic Studies 3. M4201 Mathematics 3 (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 6. OM502 Partial Differential Equations (DM1) Mathematics in Engineering, Master Academic Studies 7. OM508 Mathematical Foundations of Fuzzy Systems			ame:				,	
starting date: 01.10.1990 Scientific or art field: Mathematics Academic cittle election: 2010 Feaulty of Sciences - Novi Sad Mathematical Sciences PhD thesis 1997 Faculty of Sciences - Novi Sad Mathematical Sciences PhD thesis 1997 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1990 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programme Imathematical Sciences Study programme name, study type 1. H103 Mathematics 1 (H00) Mechatronics, Undergraduate Academic Studies 2 H107 Mathematics 2 (H00) Mechatronics, Undergraduate Academic Studies 3. M4201 Mathematics 3 (M40) Technical Mechanics and Technica Design, Undergraduate Academic Studies 4. M4202 Applied Mathematical Analysis (M40) Technical Mechanics in Engineering, Master Academic Studies 5. P216 Numerical Analysis (OM11) Mathematics in Engineering, Master Academic Studies 6. 0M502 Partial Differential Equations (OM11) Mathematics in Engineering, Master A			litution	whore the t-	achor works full time and			nces - Novi Sad
Scientific or art field: Mathematics Academic Life election: 2010 Faculty of Technical Sciences - Novi Sad Mathematics PhD Thesis 1997 Faculty of Sciences - Novi Sad Mathematics Mathematics Magister thesis 1990 Faculty of Sciences - Novi Sad Mathematical Sciences Mathematics Bachelor's thesis 1990 Faculty of Sciences - Novi Sad Mathematical Sciences Mathematical Sciences 1 D Course name Study programme name, study type 1. 2. H107 Mathematics 1 (H00) Mechatronics, Undergraduate Academic Studies 3. M4201 Mathematics 3 (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 4. M4202 Applied Mathematical Analysis (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 5. P216 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 6. 0M502 Partial Differential Equations (OM1) Mathematics in Engineering, Master Academic Studies 9. 0ML502 Partial Differential Equations (OM1) Mathematics in Engineering, Mast					acher works full little and			
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2. H107 Mathematics 2 (H00) Mechatronics, Undergraduate Academic Studies 3. M4201 Mathematics 3 (M30) Energy and Process Engineering, Undergraduate Academic Studies 4. M4202 Applied Mathematical Analysis (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 5. P216 Numerical Analysis (P00) Production Engineering, Undergraduate Academic Studies 6. 0M502 Partial Differential Equations (OM1) Mathematics in Engineering, Master Academic Studies 7. 0M508 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 8. 0M517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 9. 0ML502 Partial Differential Equations (OM1) Mathematics in Engineering, Master Academic Studies 10. 0ML508 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 11. 0ML508 Mathematical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 12. DZ01MS Selected Chapters in Mathematics (U11) Mathematics in Engineering, Specialised Academic Studies 13. Z506 20BAdvanced Course in Mathematics 1		ID	Course	e name			Study pro	gramme name, study type
3. M4201 Mathematics 3 (M30) Energy and Process Engineering, Undergraduate Academic Studies 4. M4202 Applied Mathematical Analysis (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 5. P216 Numerical Analysis (P00) Production Engineering, Undergraduate Academic Studies 6. 0M502 Partial Differential Equations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 7. 0M508 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 8. 0M517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 9. 0ML502 Partial Differential Equations (OM1) Mathematics in Engineering, Master Academic Studies 10. 0ML508 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 11. 0ML508 Mathematical Foundations of Fuzzy Systems (IM1) Mathematics in Engineering, Master Academic Studies 12. DZ01MS Selected Chapters in Mathematics (I11) Mathematics in Engineering, Master Academic Studies 13. Z506 20BAdvanced Course in Mathematics 1 (Z22) Engineering Management and Fire Safety, Maste Academic Studies 1	1.	H103	Mathe	matics 1			(H00) Mec	chatronics, Undergraduate Academic Studies
3. M4201 Mathematics 3 Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 4. M4202 Applied Mathematical Analysis (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 5. P216 Numerical Analysis (P00) Production Engineering, Undergraduate Academic Studies 6. 0M502 Partial Differential Equations (OM1) Mathematics in Engineering, Master Academic Studies 7. 0M506 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 8. 0M517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 9. 0ML502 Partial Differential Equations (OM1) Mathematics in Engineering, Master Academic Studies 10. 0ML508 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 11. 0ML508 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 12. DZ01MS Selected Chapters in Mathematics (CM1) Mathematics in Engineering, Specialised Academic Studies 13. Z506 Visi kurs matematike 1(uneti naziv na engleskom) (Z20) Environmental Engineering, Master Academic Studies	2.	H107	Mathe	matics 2			(H00) Mec	chatronics, Undergraduate Academic Studies
1 M400 Technical Mechanics and Technical Design, Undergraduate Academic Studies 4. M4202 Applied Mathematical Analysis (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 5. P216 Numerical Analysis (P00) Production Engineering, Undergraduate Academic Studies 6. 0M502 Partial Differential Equations (OM1) Mathematics in Engineering, Master Academic Studies 7. 0M508 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 8. 0M517 Numerical Analysis (OM1) Mathematics in Engineering, Master Academic Studies 9. 0ML502 Partial Differential Equations (OM1) Mathematics in Engineering, Master Academic Studies 10. 0ML508 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 11. 0ML508 Mathematical Foundations of Fuzzy Systems (OM1) Mathematics in Engineering, Master Academic Studies 12. DZ01MS Selected Chapters in Mathematics (I2) Industrial Engineering, Specialised Academic Studies 13. Z506 Visi kurs matematike 1(uneti naziv na engleskom) (Z20) Environmental Engineering, Master Academic Studies 14. Z506 Visi kurs matematike	з	M4201	Mathe	matics 3				
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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1. E. Pap, N. Ralević, Pseudo-Laplace transform, Nonlinear Analysis: Theory Methods and Applications, 33 (1998), 533-550. 2. N. M. Ralević, Lj. M. Nedović, T. Grbić, The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral, Fuzzy Sets and Systems 155 (2005) 89-101. 3. Lj. M. Nedović, N. M. Ralević, T. Grbić, Large deviation principle with generated pseudo measures, Fuzzy Sets and Systems 155 (2005) 65-76. 4. T. Lukić, N. M. Ralević, Geometric Mean Newton''s Method for Simple and Multiple Roots, Applied Mathematics Letters (accepted). 5. N. M. Ralević, One characterization of Navier-Stokes equation, Acta Mechanica Slovaca, Košice, ročnik 8., č. 4/2004, str. 97-102 6. N. Ralević, Some new properties of g-calculus, Univ. u Novom Sadu Zb. Rad. PrirodMat. Fak. Ser. Mat. 24, 1 (1994), 139-157. 7. E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6 8. N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted). 9. I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str. 10. I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str. Summary data for teacher's scientific or art and professional activity: 28 Total of SCI(SSCI) list papers : 10					(Z01) Safety at	Work, Doctoral Academic S	tudies			
2 N. M. Ralević, Lj. M. Nedović, T. Grbić, The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral, Fuzzy Sets and Systems 155 (2005) 89-101. 3 Lj. M. Nedović, N. M. Ralević, T. Grbić, Large deviation principle with generated pseudo measures, Fuzzy Sets and Systems 155 (2005) 65-76. 4 T. Lukić, N. M. Ralević, Geometric Mean Newton's Method for Simple and Multiple Roots, Applied Mathematics Letters (accepted). 5 N. M. Ralević, One characterization of Navier-Stokes equation, Acta Mechanica Slovaca, Košice, ročnik 8., č. 4/2004, str. 97-102 6 N. Ralević, Some new properties of g-calculus, Univ. u Novom Sadu Zb. Rad. PrirodMat. Fak. Ser. Mat. 24, 1 (1994), 139-157. 7 E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6 8 N. M. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str. 10 I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str. Summary data for teacher's scientific or art and professional activity: 28 Cotal of SCI(SSCI) list papers : 10	Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
2 N. M. Ralević, Lj. M. Nedović, T. Grbić, The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral, Fuzzy Sets and Systems 155 (2005) 89-101. 3 Lj. M. Nedović, N. M. Ralević, T. Grbić, Large deviation principle with generated pseudo measures, Fuzzy Sets and Systems 155 (2005) 65-76. 4. T. Lukić, N. M. Ralević, Geometric Mean Newton's Method for Simple and Multiple Roots, Applied Mathematics Letters (accepted). 5 N. M. Ralević, One characterization of Navier-Stokes equation, Acta Mechanica Slovaca, Košice, ročnik 8., č. 4/2004, str. 97-102 6. N. Ralević, Some new properties of g-calculus, Univ. u Novom Sadu Zb. Rad. PrirodMat. Fak. Ser. Mat. 24, 1 (1994), 139-157. 7. E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6 8. N. M. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str. 10. I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str. Summary data for teacher's scientific or art and professional activity: 28 Cotal of SCI(SSCI) list papers : 10	1.	E. Pap, N	J. Ralević, Pseudo-Laplace transform	Nonlinear Analysis: T	heory Methods ar	nd Applications, 33 (1998),	533-550.			
 (2005) 65-76. T. Lukić, N. M. Ralević, Geometric Mean Newton''s Method for Simple and Multiple Roots, Applied Mathematics Letters (accepted). N. M. Ralević, One characterization of Navier-Stokes equation, Acta Mechanica Slovaca, Košice, ročnik 8., č. 4/2004, str. 97-102 N. Ralević, Some new properties of g-calculus, Univ. u Novom Sadu Zb. Rad. PrirodMat. Fak. Ser. Mat. 24, 1 (1994), 139-157. E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6 N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted). I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str. I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str. 	2.	N. M. Ra	lević, Lj. M. Nedović, T. Grbić, The ps	eudo-linear superposit	tion principle for n	onlinear partial differential				
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6. N. Ralević, Some new properties of g-calculus, Univ. u Novom Sadu Zb. Rad. PrirodMat. Fak. Ser. Mat. 24, 1 (1994), 139-157. 7. E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6 8. N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted). 9. I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str. 10. I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str. Summary data for teacher's scientific or art and professional activity: Quotation total : 28 Total of SCI(SSCI) list papers : 10	4.			on"s Method for Simpl	e and Multiple Ro	ots, Applied Mathematics L	etters			
 7. E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6 8. N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted). 9. I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str. 10. I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str. Summary data for teacher's scientific or art and professional activity: Quotation total : 28 Total of SCI(SSCI) list papers : 	5.	N. M. Ra	lević, One characterization of Navier-S	tokes equation, Acta I	Mechanica Slova	ca, Košice, ročnik 8., č. 4/2	004, str. 97-102			
8. N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted). 9. I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str. 10. I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str. Summary data for teacher's scientific or art and professional activity: Quotation total : 28 Total of SCI(SSCI) list papers : 10	6.	N. Ralevi	ić, Some new properties of g-calculus	, Univ. u Novom Sadu	Zb. Rad. PrirodI	Mat. Fak. Ser. Mat. 24, 1 (1	994), 139-157.			
9. I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str. 10. I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str. Summary data for teacher's scientific or art and professional activity: Quotation total : 28 Total of SCI(SSCI) list papers : 10	7.	E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6								
10. I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str. Summary data for teacher's scientific or art and professional activity: Quotation total : 28 Total of SCI(SSCI) list papers : 10	8.	N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted).								
Summary data for teacher's scientific or art and professional activity: Quotation total : 28 Fotal of SCI(SSCI) list papers : 10	9.	I. Kovače	ević, N. Ralević, Funkcionalna analiza	, Edicija tehničke nauk	e, Novi Sad (2004	4), 203 str.				
Quotation total : 28 Total of SCI(SSCI) list papers : 10	10.	I. Kovače	ević, N. Ralević, Matematička analiza	l (uvodni pojmovi i gra	nični procesi), No	vi Sad (2000), 155 str.				
Fotal of SCI(SSCI) list papers : 10	Sur	mmary data	for teacher's scientific or art and prof	essional activity:						
	Quot	tation total :		28						
Current projects : Domestic : 2 International : 0	Tota	l of SCI(SS	CI) list papers :							
	Curre	ent projects	:	Domestic :	2	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	and last -	amo			Dictió V Alch	sandar			
-	e and last n emic title:	iame:			Ristić V. Alek Assistant Pro				
		litution	whore the t-	achor works full time and	Faculty of Technical Sciences - Novi Sad				
	e of the insi ng date:	ululion V	mere me te	acher works full time and	01.02.2000				
	ntific or art f	ield:				ntrol and Sv	ystem Engineering		
Acad	emic caries	er	Year	Institution			Field		
Acad	emic title e	lection:	2009	Faculty of Technical Sci	ences - Novi S				
	thesis		2009	Faculty of Technical Sci			Automatic Control and System Engineering		
Magi	ster thesis		2001	Faculty of Technical Sci			Automatic Control and System Engineering		
Bach	elor's thesis	s	1999	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering		
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	ogramme name, study type		
1.	1. E226 Automatic Control Systems				Academic (H00)Med (MR0)Me Undergrad (SEL)Sof	nputing and Control Engineering, Undergraduate Studies chatronics, Undergraduate Academic Studies asurement and Control Engineering, luate Academic Studies tware Engineering and Information Technologies - ndergraduate Academic Studies			
2.	GI014	Celest	ial Mechani	CS		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
3.	GI016	Physical Geodesy				(GI0) Geo Studies	eodesy and Geomatics, Undergraduate Academic		
4.	GI025B	Geodetic Metrology				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
5.	GI404A	Digital Terrain Models				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
6.	GI409A	Under	ground Infra	astructure Detection		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
7.	M3408	Autom	atic Contro	Systems			chnical Mechanics and Technical Design, uate Academic Studies		
8.	BM119A	The ap	oplication of ns in medici	geoinformation technolog	gies and	(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
9.	GG226	Autom	atic control	systems in geomatics		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
10.	GG99	Geosp	atial techno	ologies - basics			aster Risk Management and Fire Safety, uate Academic Studies		
11.	M3409	Autom	atic control	systems		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
12.	ZC037	Autom	ation applie	ed in the industry and build	lings	(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
13.	GI600	Applie	d Geophysi	cs in Geomatics		(GI0) Geo	desy and Geomatics, Master Academic Studies		
14.	GI532	Advan	ced Remote	e Sensing Technologies		(GI0) Geo	desy and Geomatics, Master Academic Studies		
15.	GI537	Geose	ensor netwo	rks		(GI0) Geo	desy and Geomatics, Master Academic Studies		
16.	M3417	Applie	d industrial	automatization		(M30) Ene Studies	ergy and Process Engineering, Master Academic		
17.	SDGI01	Select	ed topics in	geoinformation systems		(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
18.	SDGI04	Select Detect		s in Underground Infrastru	icture	(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
19.	SDGI13	Select	ed topics in	spatial data infrastructure)	(GI0) Geo Studies	desy and Geomatics, Specialised Academic		
20.	DGI001		•	s in Geoinformation Syste		(GI0) Geo	desy and Geomatics, Doctoral Academic Studies		
21.	DGI004	Select Detect	•	s in Underground Infrastru	cture Utility	(GI0) Geo	desy and Geomatics, Doctoral Academic Studies		
22.	DGI006			s in Real Estate Cadastre		(GI0) Geo	desy and Geomatics, Doctoral Academic Studies		
23.	DG1009	Select	ed Chapter	s in GNSS Systems		(GI0) Geo	desy and Geomatics, Doctoral Academic Studies		

ATAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

9	LANTER	UNDERGRADUATE ACADEMIC STUDIES	Energy and Process Engineering	HO				
List o	of courses b	eing held by the teacher in the accredited study programme	S					
	ID	Course name	Study programme name, study type					
24.	DGI010	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Doctoral A	Academic Studies				
25.	DGI016	Selected Chapters in Systems and Signals	(GI0) Geodesy and Geomatics, Doctoral A	Academic Studies				
26.	DGI018	Selected Chapters of Automatic Control Systems	(GI0) Geodesy and Geomatics, Doctoral A	Academic Studies				
Re	presentative	refferences (minimum 5, not more than 10)						
1.	 Aleksandar Ristić, Dušan Petrovački, Miro Govedarica: A New Method to Simultaneously Estimate the Radius of a Cylindrical Object and the Wave Propagation Velocity from GPR Data, Computers & Geosciences, 2009, Vol. 35, Broj 8, str. 1620-1630, ISSN 0098-3004, (IF2010 1.416) 							
2.	 Govedarica Miro, Boskovic Dubravka, Petrovacki Dusan, Ninkov Tosa, Ristic Aleksandar: Metadata Catalogues in Spatial Information Systems (Review), GEODETSKI LIST, (2010), vol. 64 br. 4, str. 313-334 (IF 2009 0.167) 							
3.	 Aleksandar Ristić, Biljana Abolmasov, Miro Govedarica, Dušan Petrovački, Aleksandra Ristić: Shallow-landslide spatial structure interpretation using a multi-geophysical approach, Acta geotechnica slovenica, (2012), vol. 9, issue 1, pp 46-59, (IF 2011, 0.100) 							
4.	 Miro Govedarica, Dušan Petrovački, Dubravka Sladić, Aleksandra Ristić, Dušan Jovanović, Vladimir Pajić, Milan Vrtunski, Aleksandar Ristic: 4. ENVIRONMENTAL DATA IN SERBIAN SPATIAL DATA INFRASTRUCTURE - GEOPORTAL OF ECOLOGY, Journal of Environmental Protection and Ecology JEPE 2011 (IF 2010 0.178) 							
5.		ksandar, Govedarica Miro, Petrovački Dušan: GNSS status edi (PTEP) 2010, ISSN: 1821-4487, Vol. 14, No. 1, Str. 6-10		niku i energetiku u				
6.	Ristić Aleksandar, Petrovački Dušan, Govedarica Miro: Radar Remote Sensing Technologies - the Usage in Agriculture, Časopis 2. za procesnu tehniku i energetiku u poljoprivredi (PTEP) 2010, ISSN: 1821-4487, Vol. 14, No. 2, Str. 76-80, UDK 621.396.96(075.8)							
7.	Ristić A., Petrovački D., Govedarica M., Popov S.: Detekcija podzemnih voda i tokova Georadarom, Vodoprivreda, 2007, Vol. 39, Broj 229-230, str. 344-349, ISSN 0350-0519, UDK: 551.491.5							
8.	technolog	Ristić A., Petrovački D., Govedarica M. : Flooding bank structure modelling using GPR, GNSS and airborne laser scanning technologies, 3. The International Symposium on Global Navigation Satellite Systems, Space-Based and Ground-Based Augmentation Systems and Applications, Berlin: Senate Department for Urban Development Berlin, 30-2 Novembar, 2009, str. 99-						

Ristić A., Govedarica M., Petrovački D. : Landslide analysis using GPR, GNSS and terrestrial laser scanning technologies, 3. The International Symposium on Global Navigation Satellite Systems, Space- Based and Ground-Based Augmentation Systems and

Applications, Berlin: Senate Department for Urban Development Berlin, 30-2 Novembar, 2009, str. 90-94, ISBN 978-3-938373-93-

Govedarica M., Petrovački D., Ristić A:GNSS - Based Ground Penetration Radar Applications, 2. The International Symposium on

1

International :

1

Global Navigation Satellite Systems, Space-Based and Ground-Based Augmentation Systems and Applications, Berlin: Senate

Department for Urban Development Berlin, EUPOS ISC, UN OOSA, ICG, 11-14 Novembar, 2008, str. 93-94

Domestic :

2

3

103, ISBN 978-3-938373-93-4

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

9.

10.

4

Quotation total :

Current projects

Total of SCI(SSCI) list papers :



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nar	o and lest -	omc:			Calcala: #4.0	Dunia	T	
	e and last n lemic title:	ame:			Sokolović S. Assistant Pro	,		
		itution	whore the t-	achor works full time and			nces - Novi Sad	
	e of the inst ing date:	παιιοΠ γ	mere the te	eacher works full time and	01.11.2012			
	ntific or art f	ield:			Process Technics			
	lemic caries		Year	Institution			Field	
	lemic title el		2012	Faculty of Technical Sci	ences - Novi S	ad	Process Technics	
	thesis		2012	Faculty of Technology -			Technological Engineering	
Bach	nelor's thesis	5	2007	Faculty of Technology -			Technological Engineering	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es		
	ID Course name					Study pro	ogramme name, study type	
1.	M3301	Pumpi	ng and Cor	npression Stations		Academic	an Energy Technologies, Undergraduate	
2.	M3303			Process Engineering		Academic		
3.	M3315	Funda Indust		Ecological Oil Analysis an	d Gas	Académic		
4.	M3403	Fluid N	Machines			Academic		
5.	M3498	Industrial Process Technology				Academic		
6.	M3517	Construction in energy and process engine			ering	 (M30) Energy and Process Engineering, Master Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies 		
7.	M3517	Construction in energy and process engine			ering	 (M30) Energy and Process Engineering, Master Academ Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies 		
8.	M3599	Energ	y efficient s	eparation process		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
9.	DM313	Proces	ss Kinetics			(M00) Me	chanical Engineering, Doctoral Academic Studies	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.				Zavargo Z., Šećerov Soko ol. 66, No. 1, pp. 67-77, IS			komore mašine alatke na osobine SHP aerosola,	
2.	Hemijska	industr	ija, 2012, D	OI:10.2298/HEMIND1202	16070S, ISSN	0367-598X		
3.	geometry	, Journa	al of Hazard	lous Materials, 2010, Vol.	175, No. 1-3, p	op. 1001-100		
4.	Flow thro	ugh Fib	er Beds, In	idustrial & Engineering Ch	emistry Resea	rch, 2012, d	the Separation of Liquid-Liquid Dispersions by Ix.doi.org/10.1021/ie3026967, ISSN: 0888-5885.	
5.	Steady-S	tate Fib	er Bed Coa				oach for the Estimation of the Efficiency of 2012, ISSN 1383-5866, UDK:	
6.				okolović D.: SUSTAINABI ce, 2012, Vol. 16, Suppl. 1			AN TECHNOLOGY AND KNOWLEDGE FROM 54-9836	
7.	Internacio	onal Sol	id Waste As	ssociation-ISWA, 10-11 D	ecembar, 2009), pp. 176-18		
8.	Filtration	Congre	ss, Graz: 1	1th World Filtration Congre	ess - Session F	PL03 - Solid-	er media for oily water separation, 11. World -Liquid Separation III, 17-20 April, 2012	
9.	SEPARA	TION B	Y STEADY		ERS TWO DIFF	ERENT GE	CONCENTRATION ON OILY WATER OMETRY, 1. International Congress of Chemical 53, UDK: T132-T133	
10.		nal Cor					C LOAD WASTEWATER TREATMENT, 1. un, 2012, ISBN ISBN: 978-84-695-353, UDK:	



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

Study Programme Accreditation

Energy and Process Engineering

UNDERGRADUATE ACADEMIC STUDIES

Summary data for teacher's scientific of art and professional activity.							
Quotation total : 4							
Total of SCI(SSCI) list papers :	5						
Current projects :	Domestic :	1	International :	1			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	e and last n	ame.				Sokolović M.	Slobodan			
	lemic title:	anc.				Full Professor				
		itution w	vhoro tho to	acher works full tim	ha and	Faculty of Te		nces -	Novi Sad	
	ng date:					30.09.2011				
Scier	ntific or art f	ield:				Gas and Petroleum Technics				
Acad	lemic cariee	er	Year	Institution				Field	1	
Acad	lemic title el	ection:	1997	Faculty of Techno	logy -	Novi Sad		Gas	and Petroleum Technics	
PhD	thesis		1986	Faculty of Techno	logy -	Novi Sad		Tech	nological Engineering	
Magi	ster thesis		1980	Faculty of Techno	logy -	Novi Sad		Tech	nnological Engineering	
Bach	elor's thesis	5	1970	Faculty of Techno	logy a	nd Metallurgy -	Beograd	Tech	nological Engineering	
List c	of courses b	eing he	ld by the tea	acher in the accredi	ited stu	udy programme	s	-		
	ID	Course	e name				Study pro	gramr	ne name, study type	
1.	M3315	Funda Industr		Ecological Oil Analy	/sis an	d Gas	(M30) Ene Academic		nd Process Engineering, U s	Indergraduate
2.	Z414	Conter	mporary Me	thods of Soil Reme	diatior	1	(Z20) Envir Studies	ronme	ntal Engineering, Undergr	aduate Academic
3.	SZSP09	SP09 Remediation of contaminated locations			ns		(Z00) Envi Studies	Z00) Environmental Engineering, Specialised Academic Studies		
4.	ZSP09	Reme	diation of C	ontaminated Sites			(Z00) Envi Studies	ironme	ental Engineering, Doctora	l Academic
Rep	oresentative	reffere	nces (minin	num 5, not more tha	an 10)					
1.		ugh Fib	er Beds, In						paration of Liquid-Liquid D aza štampu 17.11.2012,D0	
2.				lović S., Govedarica Technology, 2009, \					rrene particles in deep bed 5866	filtration,
3.				lović S., Šević S.: O Vol. 162, No. 1, pp.			sing a new s	steady	-state fiber-bed coalescer,	Journal of
4.				vić, Tatjana J. Vulić and Purification Tecl					length on steady-state coa ges 79-84	llescence of oil-in-
5.				T., Sokolović S., Efl Chemistry Research					alescence of Oil Droplets	in Steady-State,
6.				lović S., Effect of the and Engineering C					on Steady-State Bed Coale 0, str. 6490-6495.	escence of an Oil-
7.				lović S., T., Vulić, R Engineering Chemis					Bed Permeability on Stea 8-3102.	dy-State
8.	Sokolović Science -	S., Zav Interna	/argo Z., So itional Scier	okolović D.: Sustain ntific Journal, 2012,	nable E Vol. 1	Development, C 6, No 1, ISSN (lean Techn)354-9836	ology	And Knowledge From Indu	ustry , Thermal
9. Sokolović S., Tehnologija proizvodnje i primene tečnih maziva, 1998										
10.				lović S., Inženjerstvo			nnološki fakı	ultet, 2	2002.	
	,	for teac	cher's scient	tific or art and profe		I activity:				
	ation total :				42					
	of SCI(SS		apers :		19	atia .	4		Internetional -	
Curre	ent projects	:			Dome	esuc:	1		International :	1



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	and last a	ame:			Spacoloviá D	Momčilo		
	e and last n emic title:	ante:			Spasojević Đ Assistant Pro			
	Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad		
-	ng date:				11.03.1981			
	Scientific or art field:					Process Technics		
	Academic carieer Year Institution					Field		
Acad	emic title el	ection:	2010				Process Technics	
PhD	thesis		2010	Faculty of Technical Sci	ences - Novi Sa	ad	Process Technics	
Magi	ster thesis		2004	Faculty of Technology -			Technological Engineering	
Bach	elor's thesis	S	1978	Faculty of Technical Sci	ences - Novi Sa	ad	Process Technics	
List c	f courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID Course name				Study pro	gramme name, study type		
1.	M210	Therm	odynamics			Academic (M40) Tec	ergy and Process Engineering, Undergraduate Studies chnical Mechanics and Technical Design, uate Academic Studies	
2.	Z304A	Propa	gation of dis	turbances		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
3.	Z306	Proces	s Engineer	ing		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
4.	Z306A	06A Process Engineering					ety at Work, Undergraduate Academic Studies an Energy Technologies, Undergraduate Studies	
5.	Z311	Z311 Process Systems and Equipment				Academic	an Energy Technologies, Undergraduate Studies ronmental Engineering, Undergraduate Academic	
6.	ZOI312	Thermal Power Plants				(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
7.	ZOI31A	Therm	al power pla	ants		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
8.	M3203	Techn	ology of ma	chinery		(M30) Energy and Process Engineering, Undergraduate Academic Studies		
9.	M3498	Indust	rial Process	Technology		(M30) Energy and Process Engineering, Undergraduate Academic Studies		
10.	M3517	Constr	uction in er	ergy and process engined	ering	Studies	an Energy Technologies, Undergraduate	
11.	Z501	21BPr	otection Sys	stem Design		(Z20) Envii	ronmental Engineering, Master Academic Studies	
12.	Z501	Projek	tovanje sist	ema zaštite(uneti naziv na	a engleskom)	(Z20) Envi	ronmental Engineering, Master Academic Studies	
13.	M3506	Drying	Technique			(M30) Ene Studies	ergy and Process Engineering, Master Academic	
14.	M3511	Diffusi	on apparatı	IS		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
15.	M3517	Constr	ruction in er	ergy and process engined	ering	Studies	ergy and Process Engineering, Master Academic an Energy Technologies, Undergraduate Studies	
Rep	oresentative	reffere	nces (minim	num 5, not more than 10)				
1.	Sovilj, M.	, Spaso	jević, M.: "F	. ,	of essential oil	s from the d	lomestic medicinal plant", Journal of proceess	
2.	Đaković,	D., Dim	ić, M., Spas				on thin-layer drying process" – 4th International en.	
3.		ı izgradı					toplana, Novi Sad", u skladu sa Zakon o veće vrelovodno energetsko postrojenje u Evropi,	

We was	TAS STUDIO	FACULTY OF TECHNICAL SCI	UNIVERSITY OF NO		EJA OBRADOVIĆA 6	STUNKER ANT			
NO.Z		Study F	Study Programme Accreditation						
6	PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	HOP HOP			
Re	presentative r	efferences (minimum 5, not more th	an 10)						
4.	4. Spasojević, M.: "Realizacija Poluindustrijskog rektifikacionog postrojenje, Laboratorija Tehnološkog fakulteta u Novom Sadu", u skladu sa Zakon o planiranju izgradnji. Objekat je od izuzetnog značaja jer je jedinstven u ovom delu Evrope, 1992.god, R51b								
5.	 2.Đaković, D., Spasojević, M., Štrbac, D., Dimić, M., Primena eksergijske analize na proces sušenja kukuruza u tankom sloju, Časopis za procesnu tehniku i energetiku u poljoprivredi / PTEP, Časopis za procesnu tehniku i energetiku u poljoprivredi / PTEP, vol. 12, br. 4, str. 233-235, (2008), 								
6.	5. Spasojević, M., Janković, M., Djaković, D., A new approach to entropy production minimization in diabatic distillation column with trays, is accepted for publication in the journal Thermal Science. Paper will be printed in Vol. 14, No. 4, (2010)								
7.		Nikolovski, B., Spasojecić, M., Supe al Conference of SSCHE, May 24 - :				als, 37th			
8.		likolovski, B., Spasojecić, M., Nadk mijskog društva, Novi Sad 17-18 ap		h začinskih biljaka	a sa ugljendioksidom, XLVI	I savetovanje			
9.	Damir Đako	ović, Jovan Petrović, Momčilo Spas	ojević, Some thermody	namic properties	of water during corn drying				
10.	Aleksandar	Anđelković, Momčilo Spasojević, H	leat supply safety in di	strict heating syst	ems of Vojvodina province				
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:						
Quo	tation total :								
Tota	I of SCI(SSCI)) list papers :							
Curr	Current projects : Domestic : International :								



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	e and last n	ame:			Čafrani E Jali	savota			
	lemic title:	aille.			Šafranj F. Jeli Assistant Prot				
		itution	whore the to	achor works full time and			nces - Novi Sad		
	ng date:			acher works full time and	15.10.2000				
	ntific or art f	ield:			English				
Acad	Academic carieer Year Institution			Institution	Ŭ		Field		
Acad	lemic title e	ection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	English		
PhD	thesis		2008	Faculty of Philology - Be			English		
Magi	ster thesis		2000	Faculty of Philology - Be	ograd		English		
Educ Thes	ation Speci	alist	1994	Faculty of Philology - Be	ograd		English		
	elor's thesi	S	1982	Faculty of Philosophy - I	Novi Sad		English		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S			
	ID	Course	e name			Study pro	gramme name, study type		
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arch	nitecture, Undergraduate Academic Studies		
2.	AEJ2L	English Language intermediate				(A00) Arch	nitecture, Undergraduate Academic Studies		
3.	AEJ2Z	English intermediate				(A00) Arch) Architecture, Undergraduate Academic Studies		
4.	AEJ3Z	English Language - upper intermediate				(A00) Arch	nitecture, Undergraduate Academic Studies		
5.	EJ01L	Englisi	h Language	e – Elementary		(M20) Mec Undergrad (M30) Ene Academic (M40) Tec Undergrad (P00) Proo Studies (S00) Traf Academic (S01) Pos	chnical Mechanics and Technical Design, uate Academic Studies duction Engineering, Undergraduate Academic fic and Transport Engineering, Undergraduate		
6.	EJ01Z	Englisl	h Language	e - Elementary		Engineerin (F00) Graj Academic (MR0) Me Undergrad (Z01) Safe (ZC0) Clea Academic (ZP0) Disa Undergrad	asurement and Control Engineering, uate Academic Studies ety at Work, Undergraduate Academic Studies an Energy Technologies, Undergraduate		

FACULTY OF

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

	ID	Course name	Study programme name, study type
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
7.	EJ02L	English Language – Pre-Intermediate	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(I10) Industrial Engineering, Undergraduate Academic Studies
•	E 1007		(120) Engineering Management, Undergraduate Academic Studies
8.	EJ02Z	English Language – Pre-Intermediate	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
10.	EJ04L	English Language – Upper Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
11.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type			
			(E20) Computing and Control Enginee Academic Studies			

12. E.J2L English Language – Intermediate (E20) Computing and Control Engineering, Undergraduate Academic Studies 12. E.J2L English Language – Intermediate (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 13. E.J2L English Language – Intermediate (E10) Geodesy and Geomatics, Undergraduate Academic Studies 13. E.J2L English Language – Intermediate (E20) Computing and Control Engineering, Undergraduate Academic Studies 13. E.J2Z English Language – Intermediate (E00) Geodesy and Geomatics, Undergraduate Academic Studies 13. E.J2Z English Language – Intermediate (E00) Geodesy and Geomatics, Undergraduate Academic Studies 14. E.J3L English Language – Intermediate (E00) Geodesy and Geomatics, Undergraduate Academic Studies 14. E.J3L English Language – Advanced (E01) Geodesy and Geomatics, Undergraduate Academic Studies 15. E.J2E English Language – Advanced (E10) Computing and Control Engineering, Undergraduate Academic Studies 16. E.J3L English Language – Advanced (E10) Power. Electronic and Telecommunication Technologies , Undergraduate Academic Studies 17. E.J3E English Language – First Certific						
12. EJ2L English Language – Intermediate Studies 12. EJ2L English Language – Intermediate (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 13. EJ2Z English Language – Intermediate (EB2) Software Engineering and Information Technologies. Undergraduate Academic Studies 13. EJ2Z English Language – Intermediate (EB2) Forware Engineering and Information Technologies. Undergraduate Academic Studies 13. EJ2Z English Language – Intermediate (EB3) Forware Engineering and Information Technologies. Undergraduate Academic Studies 14. EJ3Z English Language – Intermediate (EB1) Software Engineering and Information Technologies. Undergraduate Academic Studies 14. EJ3L English Language – Advanced (EB2) Software Engineering and Information Technologies. Undergraduate Academic Studies 15. EJ4E English Language – Advanced (EB1) Software Engineering and Information Technologies. Undergraduate Academic Studies 16. EJ4E English Language – First Certificat 1 E10) Power. Electronic and Technologies. Undergraduate Academic Studies 17. EJ4E English Language – First Certificat 2 E10) Power. Electronic and Technologies. Undergraduate Academic Studies 18. EJ4E5 English Language – First Certific						
12. Euglish Language – Intermeduate Studies 13. EUZ English Language – Intermeduate Studies 13. EUZ English Language – Intermediate (ES) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies 13. EUZ English Language – Intermediate (Ci0) Geodesy and Geomatics, Undergraduate Academic Studies 13. EUZ English Language – Intermediate (Ci0) Geodesy and Geomatics, Undergraduate Academic Studies 14. EUZ English Language – Intermediate (Ci0) Geodesy and Geomatics, Undergraduate Academic Studies 15. EUZ English Language – Advanced (E20) Computing and Control Engineering. Undergraduate Academic Studies 14. EUX English Language – Advanced (Ci0) Geodesy and Geomatics, Undergraduate Academic Studies 15. ELE English Language – First Certificat 1 (E10) Prover, Electronic and Telecommunication 16. ELEE English Language – First Certificate 2 (E10) Prover, Electronic and Telecommunication 17. ELEI English Language or Engineering (Hou) Architectrie, Undergraduate Academic Studies 16. ELEE English Language or Engineering (Hou) Prover, Electronic and Telecommunication						
Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (E30) Computing and Control Engineering, Undergraduate Academic Studies (E30) Power Software Engineering, Undergraduate Academic Studies (SE0) Power Software Engineering, Undergraduate Academic Studies (I3) EJ22 English Language – Intermediate (I3) Cooldes y and Geomatics, Undergraduate Academic Studies (I3) Cooldes y and Geomatics, Undergraduate Academic Studies (I4) Optication of the software Engineering and Information Technologies. Undergraduate Academic Studies (I4) Architecture, Master Academic Studies (I4) Architecture, Master Academic Studies (I4) Optication of the software Engineering and Information Technologies. Undergraduate Academic Studies (I4) EJ3L English Language – Advanced (I5) Conjuning and Control Engineering and Information Technologies. Undergraduate Academic Studies (I5) Software Engineering and Information Technologies. Undergraduate Academic Studies 15. EJEE English Language – First Certificat 1 English Language – First Certificat 2 [E10] Power, Electronic and Telecommunication Engineering. Undergraduate Academic Studies 16. EJEE English Language for Engineering [E10] Power, Electronic and Telecommunication Engineering. Undergraduate Aca	12.	EJ2L	English Language – Intermediate			
Laznica, Undergraduate Academic Studies (E20) Computing and Control Engineering. Undergraduate Academic Studies 13. EJ2Z English Language – Intermediate (10) Geodesy and Geomatics, Undergraduate Academic Studies 13. EJ2Z English Language – Intermediate (10) Geodesy and Geomatics, Undergraduate Academic Studies 14. EJ2Z English Language – Advanced (10) Geodesy and Geomatics, Undergraduate Academic Studies 14. EJ3L English Language – Advanced (10) Geodesy and Geomatics, Undergraduate Academic Studies 15. EJ2E English Language – Advanced (10) Geodesy and Geomatics, Undergraduate Academic Studies 16. EJ3E English Language – First Certificat 1 (E10) Dever, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 17. EJEE English Language – First Certificat 2 18. EJEE English Language – First Certificat 2 19. Fulfs Language for Engineering (10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 19. EJEE English Language for GRID 1 (E10) Power, Electronic and Telecommunication Engineering, Und						
Academic Studies (ES) Power Software Engineering, Undergraduate Academic Studies 13. EJZZ English Language – Intermediate (Gi0) Codessy and Geomatics, Undergraduate Academic Studies 13. EJZZ English Language – Intermediate (Gi0) Codessy and Geomatics, Undergraduate Academic Studies 14. EJZL English Language – Intermediate (Gi0) Codessy and Geomatics, Undergraduate Academic Studies 14. EJJL English Language – Advanced (EZ0) Computing and Control Engineering, Undergraduate Academic Studies 14. EJJL English Language – Advanced (Gi0) Geodesy and Geomatics, Undergraduate Academic Studies 15. EJJL English Language – Advanced (Gi0) Geodesy and Geomatics, Undergraduate Academic Studies 16. EJES English Language – First Certificat 1 (E10) Power, Electronic and Telecommunication Technologies, Undergraduate Academic Studies 17. EJEI English Language – First Certificat 2 (F10) Power, Electronic and Telecommunication 18. EJEI English Language – First Certificat 2 English Communication 18. EJEI English I anguage for Engineering (H00) Mechatronics, Undergraduate Academic Studies 19. EJEI English I anguage for GRID 1 (F00) Oraphi						
Academic Studies 13. EJZZ English Language – Intermediate (F10) Engineering Animation, Undergraduate Academic Studies (13) EJZZ English Language – Intermediate (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (E20) Computing and Control Engineering, Undergraduate Academic Studies 14. EJJL English Language – Advanced (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 14. EJJL English Language – Advanced (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 14. EJJL English Language – Advanced (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 15. EJES English Language – First Certificat 1 Engineering, Undergraduate Academic Studies 16. EJEE English Language – First Certificat 2 (E10) Power, Electronic and Telecommunication Technologies, Undergraduate Academic Studies 17. EJEI English Language for Engineering (H00) Mechatronics, Undergraduate Academic Studies 18. EJEI English in Engineering 1 Engineering, Undergraduate Academic Studies 18. EJEI English Language for GRID 1 (F10) Power, Electronic and Te						
13. EJZZ English Language – Intermediate Studies 13. EJZZ English Language – Intermediate (GI) Geodesy and Geomatics, Undergraduate Academic Studies 13. (GI) Software Engineering and Information Technologies, Undergraduate Academic Studies (SED) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies 14. EJ3L English Language – Advanced (GI) Geodesy and Geomatics, Undergraduate Academic Studies 14. EJ3L English Language – Advanced (GIO) Geodesy and Geomatics, Undergraduate Academic Studies 15. EJES English Language – First Certificat 1 Engineering, Undergraduate Academic Studies 16. EJE6 English Language – First Certificat 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 17. EJEI English Language or Engineering (HO) Mechatronics, Undergraduate Academic Studies 18. EJEI English in Engineering 1 Engineering, Undergraduate Academic Studies 18. EJEI1 English in Engineering 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 19. EJEI2 English in Engineering 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies <td></td> <td></td> <td></td> <td></td>						
Studies Studies (SED) Software Engineering and Information Technologies. Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AHO) Architecture, Master Academic Studies (E20) Computing and Control Engineering, Undergraduate Academic Studies (E10) Engineering Animation, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies. Undergraduate Academic Studies (SEL) Software Engineering Undergraduate Academic Studies <td></td> <td></td> <td></td> <td></td>						
Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (H0) Architecture, Naster Academic Studies (H4) Geodesy and Geomatics, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (SE) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (SE1) Follower, Electronic and Telecommunication English Language – First Certificat 1 (E10) Power, Electronic and Telecommunication English Language for Engineering 1 (E10) Power, Electronic and Telecommunication 18. E.JEII English in Engineering 2 (E10) Power, Electronic and Telecommunication 19. E.JEI2 English in Engineering 2 (E10) Power, Electronic and Telecommunication 19. E.JEI2 English Language for GRID 1 (Co0) Graphic Engineeri	13.	EJ2Z	English Language – Intermediate			
Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies (AH0) Architecture, Master Academic Studies (E20) Computing and Control Engineering, Undergraduate Academic Studies (I40) Architecture, Master Academic Studies (I40) Architecture, Master Academic Studies (I40) Architecture, Master Academic Studies (I40) Architecture, Master Academic Studies (I41) Architecture, Master Academic Studies (I41) Software Engineering and Information Technologies, Undergraduate Academic Studies (I51) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies I5. EJE5 English Language – First Certificat 1 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies I7. EJE1 English Language for Engineers (H00) Mechatronics, Undergraduate Academic Studies I8. EJEI2 English in Engineering 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 19. EJEI2 English in Engineering 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 20. EJF5 English Language for GRID 1 (F00) Graphic Engineering and Design, Undergraduate Academic Studies						
14. EJ3L English Language – Advanced (E20) Computing and Control Engineering, Undergraduate Academic Studies 14. EJ3L English Language – Advanced (GI0) Engineering Animation, Undergraduate Academic Studies 14. EJ3L English Language – Advanced (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 15. EJE5 English Language – First Certificat 1 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 16. EJE6 English Language - First Certificat 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 17. EJEI English Language for Engineers (H00) Mechatronics, Undergraduate Academic Studies 18. EJE11 English in Engineering 1 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 19. EJE12 English in Engineering 2 (E10) Power, Electronic and Telecommunication Engineering and Design, Undergraduate Academic Studies 20. EJF5 English Language for GRID 1 (F00) Graphic Engineering and Design, Undergraduate Academic Studies 21. EJF6 English Language or GRID 2 (G00) Civil Engineering and Design, Undergraduate Academic Studies 22.						
14. EJ3L English Language – Advanced (F10) Engineering Animation, Undergraduate Academic Studies 14. EJ3L English Language – Advanced (G10) Geodesy and Geomatics, Undergraduate Academic Studies 15. EJE5 English Language – First Certificat 1 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 16. EJE6 English Language - First Certificat 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 17. EJEI English Language of Engineers (H00) Mechatronics, Undergraduate Academic Studies 18. EJE1 English in Engineering 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 19. EJEI2 English in Engineering 1 (F10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 19. EJEI2 English in Engineering 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 20. EJF5 English Language for GRID 1 (F00) Graphic Engineering and Design, Undergraduate 21. EJF6 English Language for GRID 2 (F00) Graphic Engineering, Undergraduate Academic Studies 22. EJGR English Language – ESP Course (G00) Civic Fingineering,				(AH0) Architecture, Master Academic Studies		
14. EJ3L English Language – Advanced Studies 14. EJ3L English Language – Advanced (GI0) Geodesy and Geomatics, Undergraduate Academic Studies 15. EJE5 English Language – First Certificat 1 (E10) Power, Electronic and Telecommunication 16. EJE6 English Language - First Certificat 2 (E10) Power, Electronic and Telecommunication 17. EJEI English Language - First Certificat 2 (E10) Power, Electronic and Telecommunication 18. EJE11 English in Engineering 1 (E10) Power, Electronic and Telecommunication 18. EJE12 English in Engineering 1 (E10) Power, Electronic and Telecommunication 19. EJE12 English in Engineering 1 (E10) Power, Electronic and Telecommunication 19. EJE12 English in Engineering 2 (E10) Power, Electronic and Telecommunication 20. EJF5 English Language for GRID 1 (F00) Graphic Engineering and Design, Undergraduate Academic Studies 21. EJF6 English Language – ESP Course (G00) Civil Engineering, Undergraduate Academic Studies 22. EJGR English Language – ESP Course (M30) Energineering, Undergraduate Academic Studies 23. EJM						
14. EJSE English Language – Advanced Studies 14. Studies Studies Studies 15. EJE5 English Language – First Certificat 1 English Language – First Certificat 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 16. EJE6 English Language - First Certificate 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 17. EJEI English Language for Engineers (H00) Mechatronics, Undergraduate Academic Studies 18. EJEI1 English in Engineering 1 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 19. EJEI2 English in Engineering 2 (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies 20. EJF5 English Language for GRID 1 (F00) Graphic Engineering and Design, Undergraduate Academic Studies 21. EJF6 English Language for GRID 2 (G00) Civil Engineering and Cesign, Undergraduate Academic Studies 22. EJGR English Language – ESP Course (G00) Civil Engineering, Undergraduate Academic Studies 23. EJM English Language – ESP Course (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies			English Language – Advanced			
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	25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate		

HATTAS STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

of courses being held by the teacher in the accredited study programme

List o	ist of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type				
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies				
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
29.	ISIT01	English Language 1	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies				
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies				
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies				
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies				
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies				
34.	EJIIM	English for Specific Purposes	(110) Industrial Engineering, Undergraduate Academic Studies				
34.	EJIIVI	English for Specific Purposes	(I20) Engineering Management, Undergraduate Academic Studies				
35.	ETI15	Engleski jezik - srednji	(E02) Electronics and Telecommunications, Undergraduate Professional Studies				
36.	ETI20	Engleski jezik - napredni	(E02) Electronics and Telecommunications, Undergraduate Professional Studies				
		Z English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies				
	EJ1Z		(ES0) Power Software Engineering, Undergraduate Academic Studies				
			(F10) Engineering Animation, Undergraduate Academic Studies				
37.			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies				
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				
			(AH0) Architecture, Master Academic Studies				
			(E20) Computing and Control Engineering, Undergraduate Academic Studies				
	EJ2Z		(ES0) Power Software Engineering, Undergraduate Academic Studies				
			(F10) Engineering Animation, Undergraduate Academic Studies				
38.		English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies				
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies				
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies				
			(AH0) Architecture, Master Academic Studies				
39.	eja	a English Language – a Specialized Course (AH0) Architecture, Master Academic Studies					
40.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies				
41.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies				
42.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies				
Rep	Representative refferences (minimum 5, not more than 10)						

UNIVERSITY	OF NOVI SAD



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

Study Programme Accreditation

(O)	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Energy a	and Process Engineering	3 H08		
Rep	Representative refferences (minimum 5, not more than 10)							
1.	Analiza diskursa udžbenika engleskog jezika, Monografija, Zadužbina Andrejević, Beograd 2006.							
2.	Retorička c	rganizacija poslovne vesti, Monogra	afija, Zadužbina Andre	jević, Beograd 20	09.			
3.	Engleski je:	zik za GRID 3 - Academic Writing fo	or Graphic Engineering	and Design, FTN	l Izdavaštvo, Novi Sad 201	2.		
4.	Using Inter	net in English Language Teaching, I	NEW EDUCATIONAL	REVIEW, (2011),	, vol. 26 br. 4, str. 45-59.			
5.		of English Language Teachers Cor 2011), vol. 23 br. 1, str. 269-282.	ncerning Computer As	sisted Language I	Learning (Call), NEW EDUC	CATIONAL		
6.	Pragmatički aspekt udžbenika engleskog jezika, Pedagogija, 2009, 1, str.133-145.							
7.	7. Students' Communicative Competence, Zbornik Instituta za pedagoška istraživanja, 2009, 1, str. 180-195.							
8.	Retorička analiza lida poslovne vesti, Zbornik Matice Srpske za filologiju i lingvistiku, 2011, 1, str.191-210.							
9.	Some Aspects of Technical Statements in Power Engineering, Zbornik radova, XI Međunarodni simpozijum Energetska elektronika Ee 2001, str.150-153.							
10.	 Genre Analysis of Research Abstract of an Engineering Scientific Paper, In Proceedings of English Language and Literature Studies: Interfaces and Integrations, 10-12 December 2004, Faculty of Philology, Belgrade, pp.365-374. 							
Summary data for teacher's scientific or art and professional activity:								
Quot	Quotation total : 0							
Total	Total of SCI(SSCI) list papers : 20							
Curre	ent projects :		Domestic :	0	International :	1		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

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 art field: Mathematics Academic carieer Year Institution Academic carieer Year Institution Academic title election: 2009 Faculty of Technical Sciences - Novi Sad Mathematical Sciences PhD thesis 2000 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1994 Faculty of Sciences - Novi Sad Mathematical Sciences Each of courses being held by the teacher in the accredited study programmes Study programme name, study type 1. A101 Mathematics (A00) Architecture, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunic: Engineering, Undergraduate Academic Studies 2. EE204 Selected Chapters in Mathematics (Gi0) Geodesy and Geomatics, Undergraduate Academic Studies 3. GG00 Mathematical Methods 1 (Gi0) Geodesy and Geomatics, Undergraduate Academic Studies 6. M102 Mathematics 1 (M30) Tengray and Process Engineering, Undergraduate Academic Studies 7. M106 Mathematics 2 (M40) Technical Mechan								
Name of the institution where the teacher works full time and starting date: Faculty of Technical Sciences - Novi Sad Academic carieer Year Institution Field Academic title election: 2009 Faculty of Technical Sciences - Novi Sad Mathematics PhD thesis 2008 Faculty of Sciences - Novi Sad Mathematical Sciences Mathematical Sciences Bachelor's thesis 2000 Faculty of Sciences - Novi Sad Mathematical Sciences Mathematical Sciences Bachelor's thesis 1994 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programmes Study programme name, study type 1. A101 Mathematics (A00) Architecture, Undergraduate Academic Studies 2. EE204 Selected Chapters in Mathematics (G00) Civil Engineering, Undergraduate Academic Studies 3. GG00 Mathematical Methods 1 (G00) Civil Engineering, Undergraduate Academic Studies 4. G1101 Algebra (K10) Geodesy and Geomatics, Undergraduate Academic Studies 5. IAM001 Mathematics 1 (M20) Technical Mechanics and Technical Undergraduate Academic Studies								
starting date: 18.12.1995 Scientific or art field: Mathematics Academic carieer Year Institution Academic title election: 2009 Faculty of Technical Sciences - Novi Sad Mathematical Sciences Magister thesis 2000 Faculty of Sciences - Novi Sad Mathematical Sciences Bachelor's thesis 1994 Faculty of Sciences - Novi Sad Mathematical Sciences List of courses being held by the teacher in the accredited study programmes ID Course name Study programme name, study type 1. A101 Mathematical Mathematics (A00) Architecture, Undergraduate Academic Studies 2. EE204 Selected Chapters in Mathematics (E10) Power, Electronic and Telecommunics 3. GG00 Mathematical Methods 1 (G00) Courie Engineering, Undergraduate Academic Studies 4. G1101 Algebra (G10) Geodesy and Geomatics, Undergraduate Academic Studies 5. IAM001 Mathematics 1 (M20) Mechanization and Construction Engineering. Undergraduate Academic Studies 6. M102 Mathematics 2 (M20) Mechanization and Construction Engineering. Undergraduate Academic Studies 7. M106 Mathematics 2 (M20) Mechanization and Construction Engineering. Undergraduate Academic Studies 8. E101A Discrete Mat							ncos Novi Sad	
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(P00) Production Engineering Undergradus					eering Management, Undergraduate Academic			
10. P216 Numerical Analysis (100) Troduction Engineering, ondergraded Studies Studies	10. P216	6 Numer	Numerical Analysis			(P00) Production Engineering, Undergraduate Academic Studies		
11 SE0009 Discrete Mathematics	11 SE0009 Discrete Mathematics							
(SEL) Software Engineering and Information Loznica, Undergraduate Academic Studies						(SEL) Software Engineering and Information Technologies Loznica, Undergraduate Academic Studies		
Engineering, Specialised Academic Studies						Èngineerin	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies	
						(112) Industrial Engineering, Specialised Academic Studies		
Studies	12. DZ01MS	01MS Selected Chapters in Mathematics			Studies	neering Management, Specialised Academic		
(Z00) Environmental Engineering, Specialis Studies							ironmental Engineering, Specialised Academic	



List of

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

courses being held by the teacher in the accredited study programmes
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	ID	Study programme name, study type						
13.	IA022	Numerical Optimization		(F20) Engineering Animation, Master Academic Studies				
14.	D0M48	Numerical Methods for Solving Diffe	rential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies				
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies				
				(E20) Computing and Control Engineering, Doctoral Academic Studies				
				(F00) Graphic Engineering and Design, Doctoral Academic Studies				
				(F20) Engineering Animation, Doctoral Academic Studies				
				(G00) Civil Engineering, Doctoral Academic Studies				
				(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
15.	D701M	Selected Chapters in Mathematics		(H00) Mechatronics, Doctoral Academic Studies				
15.	DZ01M	Selected Chapters in Mathematics		(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
				(M00) Mechanical Engineering, Doctoral Academic Studies				
				(M40) Technical Mechanics, Doctoral Academic Studies				
				(OM1) Mathematics in Engineering, Doctoral Academic Studies				
				(S00) Traffic Engineering, Doctoral Academic Studies				
				(Z00) Environmental Engineering, Doctoral Academic Studies				
	(Z01) Safety at Work, Doctoral Academic Studie							
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.	Surla, K., Teofanov, Lj., Uzelac, A Robust Layer-Resolving Spline Collocation Method for a Convection-Diffusion Problem, Applied Mathematics and Computation,(2009), 208(1): 76-89							
2.	Toofsnov, Li, Roos, H. C. An olliptic singularly not urbed problem with two personators II: robust finite element solution. L							
3.	Toofshow Li Boos H. C. An olliptic singularly porturbed problem with two parameters L solution decomposition. L Comput							
4.	Suda K. Uzelac, Z. Teofanov, Li. The discrete minimum principle for quadratic spline discretization of a singularly perturbed							
5.	Teofanov, Lj., Zarin, H., Superconvergence for two-parameter singularly perturbed problem, BIT Numerical Mathematics, Vol. 49, No. 4, 2009, 743-765							
6.	Vulanović, R., Teofanov, Lj., A uniform numerical method for semilinear reaction-difusion problems with a boundary turning point, Numer. Algor. 54, 2010, 431-444							
7.	Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, Int. J. Comput. Math., Vol. 84, No. 1, 2007, 33-50							
8.	Surla, K., Uzelac, Z., Teofanov, Lj., On collocation methods for singular perturbation problems of convection-diffusion type, Novi Sad J. Math, Vol. 31, No. 1, 2001, 125-132							
9.	9. Surla, K., Uzelac, Z., Pavlović, Lj., On collocation methods for singular perturbation problems, Novi Sad J. Math., Vol. 30, No. 3, 2000, 173-183							
10.	Čomić, I.	, Pavlović, Lj., Funkcije više promenlji	vih, Fakultet tehničkih	nauka, Novi Sad, 2000, 95 str.				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		12					
Total	of SCI(SS	CI) list papers :	7					
Current projects : Domestic : 1 International : 0								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name: Turk-Sekulić M. Maja								
Academic title:					Assistant Professor			
				eacher works full time and				
starting date:					28.12.2004			
Scier	ntific or art f	ield:			Environment	Protection E	ngineering	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2009	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering	
PhD	thesis		2009	Faculty of Technical Sci	ences - Novi S	ad	Chemical, Physical and Biological principles in Environment Protection Engineering	
Magi	ster thesis		2006	University of Novi Sad -	Novi Sad		Chemical, Physical and Biological principles in Environment Protection Engineering	
Bach	elor's thesis	5	2003	Faculty of Technology -	Novi Sad		Technological Engineering	
List c	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	URZP61	Funda	mentals of	the Burning Processes Th	eory		aster Risk Management and Fire Safety, uate Academic Studies	
2.	Z102	Techn	ical Chemis	stry		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
3.	Z109	Chemi	cal Principl	es in Environmental Engir	neering	Studies	ronmental Engineering, Undergraduate Academic	
4.	Z305	Data A	nalysis of I	Environmental Condition		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
5.	Z305A	Enviro	nmental da	ta analysis		(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	Z102	Tehnička hemija(uneti naziv na engleskom))	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
7.	Z109	Hemijski principi u inženjerstvu zaštite životn sredine(uneti naziv na engleskom)			ne	(Z20) Environmental Engineering, Undergraduate Academic Studies		
					Undergrad	chanization and Construction Engineering, uate Academic Studies		
						Academic		
8.	Z151	Chemi	stry in Mec	hanical Engineering		Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Un Studies	duction Engineering, Undergraduate Academic	
						(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
9.	Z153	Chemi	stry in Engi	neering		(Z01) Safety at Work, Undergraduate Academic Studies		
10.	Z155	Chemi	cal Principl	es in Engineering		(Z01) Safety at Work, Undergraduate Academic Studie		
11.	Z600	Chemical Phenomena in Engineering					aster Risk Management and Fire Safety, uate Academic Studies	
12.	Z503	Practical Course in Environment Protection				(Z20) Environmental Engineering, Master Academic St		
13.	Z507	Physic	al and Che	mical Principles		(Z20) Environmental Engineering, Master Academic S		
14.	ZR504	Protec	tion agains	t Chemical Harms, Fire ar	and Explosion (OM1) Mathematics in Engineering, Master Academic Studies			
15.	Z507	Fizičko	o hemijski p	hemijski principi(uneti naziv na engleskom)			ronmental Engineering, Master Academic Studies	
16.	MPK005	Analys	is of enviro	nmental protection systen	ns		enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies	
17.	SZD050		port and dis	tribution of pollutants in he systems	eterogeneous	(Z00) Env Studies	ironmental Engineering, Specialised Academic	
18.	SZSP09	Reme	diation of co	ontaminated locations		(Z00) Env Studies	ironmental Engineering, Specialised Academic	
19.	SZSP17		mene instru nci u životr	mentalne metode analize noj sredini	zagađujućih	ujućih (Z00) Environmental Engineering, Specialised Academic Studies		
20.	20. ZR504A Chemical risk assessment of fire and explosion			essment of fire and explo	sion	(Z01) Safe	ety at Work, Master Academic Studies	

2	FACULTY OF 1

SITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

ID Course name Study programme name, study type 21. ZD050 Transport and distribution of pollutants in heterogeneous multicomponent systems (200) Environmental Engineering, Doctoral Academic Studies 22. ZD003 Applied Analysis of Physical and Chemical Parameters (OM1) Mathematics in Engineering, Doctoral Academic Studies 22. ZD003 Applied Analysis of Physical and Chemical Parameters (201) Environmental Engineering, Doctoral Academic Studies 21. Turk, M., Jakšić, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from Seth determined by active and passive sampling methods. Environmental Chemistry Letres (ECL) Journal, 2007, Vol. 5, st. 109–113 21. Turk Sekulić M., Radonić (Jakšić) J., Dogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U. Environmental, Health And Humranity Issues In The Down Danubian Regen: Multidisciplinary Approachee Singapur. World Science and POliution Research, 2009, Vol. 16, No. 1, pp. 65-72. 4. Turk Sekulić Maja, Rasprostranje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentnom sistemu, doktorska disertacja. 5. Radonić (Jakšić) J., Vojinović-Miloradov M., Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Senk N., Okuka M.: Assessment of Atmospheric Distribution of Polychlorinated Diphenyls and Polycycic Aromatic Hydrocarbons Using Polyparameter Model, Hemijska Industrija, 2011, Vol. 60 in 0.2288/JSC1100616037R <	List o	List of courses being held by the teacher in the accredited study programmes									
21. 2000 multicomponent systems Studies 22. ZD003 Applied Analysis of Physical and Chemical Parameters (OM1) Mathematics in Engineering, Doctoral Academic Studies 22. ZD003 Applied Analysis of Physical and Chemical Parameters (OM1) Mathematics in Engineering, Doctoral Academic Studies 23. ZD003 Applied Analysis of Physical and Chemical Parameters (Z00) Environmental Engineering, Doctoral Academic Studies 24. Turk, M., Jakšć, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from Serb determined by active and passive sampling methods. Environmental Chemistry Letters (ECL) Journal, 2007, Vol. 5, str. 109-1113 Turk Sekulić M., Radonić (Jakšić) J., Dogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U.: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidiscipinary Approaches Singapur. World Scientific, 2008, str. 284-295-384-343-33 3 Radonić, J., Turk, M., Vojinović Miloradov, M., Turk Sekulić M., Kurski J., Dogo M., Milovanović D.: The octanol-air partition coefficient, KOA, as a predictor of gas-particle partitioning of polypacine multikomponentnom sistemu, doktorska disertacija. 4 Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Turk Sekulić M., Kurski J., Dogo M., Milovanović D.: The octanol-air partition coefficient, KOA, as a predictor of gas-particle partitioning of polypacine anomatic hydrocachos and polychorinated biphenyls and Polycycilic Aromatic Hydrocachos Using Polyp		ID	Course name		Study program	me name, study type					
22. ZD003 Applied Analysis of Physical and Chemical Parameters Studies (20) Environmental Engineering, Doctoral Academic Studies (21) Safety at Work, Doctoral Academic Studies (22) Safety at Work, Setulić M., Radonić (Jakšić) J., Dogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U: Environmental, Health And Humanity Issues in The Down Danubian Region: Multidisciplinary Approaches Singapur, Word Scientfic, 2008, Rasprostinarje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentnom sistemu, doktorska disertacija. Radonić (Jakšić) J., Vojinović-Miloradov M., Turk Sekulić M., Kiurski J., Dogo M., Milovanović D.: The octanol-air partition of polycyclic aromatic hydrocarbons and polychlorinated biphenyls at industrial and urban sites, Journal of Serbian Chemical Society, 2011, Vol. 76, No 3, pp. 447-458, ISSN 0352-5139, UDK: doi: 10.02299/JSC1006106037R 7. Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Kukić B., Turk Sekulić M.: Prediction of gas-particle partitioning of PAHs based on MS' model trees, Thermal Science, 2011, Vol. 15, No 1, pp. 115-124, ISSN 0354-9836, UDK: d	21.	ZD050		ts in heterogeneous		ental Engineering, Doctoral	Academic				
Studies Studies (201) Safety at Work, Doctoral Academic Studies Representative refferences (minimum 5, not more than 10) 1 Turk, M., Jakšić, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from Serb determined by active and passive sampling methods, Environmental Chemistry Letters (ECL) Journal, 2007, Vol. 5, str. 109-113 7 Turk, Sekulić M., Radonić (Jakšić) J., Dogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of kragievac, Serbia U: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidisciplinary Approaches Singapur, World Scientific, 2008, str. 284-295, ISBN 978-981-283-439-3 8 Radonić, J., Turk, M., Vojinović Miloradov, M., Klánová, J.: Gas/particle partitioning of persistent organic pollutants generated during the war accident in Serbia. Environmental Science and Pollution Research, 2009, Vol. 16, No. 1, pp. 65-72. 4 Turk Sekulić Maja, Rasprostiranje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentnom sistemu, doktorska disertacija. 5 coefficient, KOA, as a predictor of gas-particle partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls at industrial and urban sites, Journal of Serbian Chemical Society, 2011, Vol. 76, No 3, pp. 447-458, ISSN 0352-5139, UDK: doi: 10.2298/JSC100616037R 6 Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons Using Polyparameter Model, Hemijska industrija, 2011, Vol. 68, No 4, pp. 371-380, ISSN 0357-598X, UDK: 504.5(497.11),547.621 7					Studies	0 0					
Representative refferences (minimum 5, not more than 10) 1 Turk, M., Jakšić, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from Serb determined by active and passive sampling methods, Environmental Chemistry Letters (ECL) Journal, 2007, Vol. 5, str. 109-113 1 Turk Sekulić M., Radonić (Jakšić) J., Dogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U.: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidisciplinary Approaches Singapur, World Scientific, 2008, str. 284-295, ISBN 978-981-283-439-3 3 Radonić, J., Turk, M., Vojinović Miloradov, M., Klánová, J.: Gas/particle partitioning of persistent organic pollutants generated during the war accident in Serbia, Environmental Science and Pollution Research, 2009, Vol. 16, No. 1, pp. 65-72. 4 Turk Sekulić Maja, Rasprostiranje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentnom sistemu, doktorska disertacija. 7 Radonić (Jakšić) J., Jopinović-Miloradov M., Turk Sekulić M., Kiurski J., Dogo M., Milovanović D.: The octanol-air partition coefficient, KOA, as a predictor of gas-particle partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls at industrial and urban sites, Journal of Serbian Chemical Society, 2011, Vol. 76, No 3, pp. 447-458, ISSN 0352-5139, UDK: doi: 10.2298/JSC100616037R 7 Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Šenk N., Okuka M.: Assessment of Atmospheric Distribution of Polychorinated Biphenyls and Polycyclic Aromatic Hydrocarbons Lising Polyparameter Model, Hemijska industrija, 2011, Vol. 66 No 4, pp. 371-	22.	ZDO03	Applied Analysis of Physical and Ch	emical Parameters	Studies	0 0					
1 Turk, M., Jakšić, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from Serb determined by active and passive sampling methods, Environmental Chemistry Letters (ECL) Journal, 2007, Vol. 5, str. 109-113. 1 Turk Sekulić M., Radonić (Jakšić) J., Dogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidisciplinary Approaches Singapur, World Scientific, 2008, str. 284-295, ISBN 978-981-283-439-3 3 Radonić, J., Turk, M., Vojinović Miloradov, M., Klánová, J.: Gas/particle partitioning of persistent organic pollutants generated during the war accident in Serbia, Environmental Science and Pollution Research, 2009, Vol. 16, No. 1, pp. 65-72. 4 Turk Sekulić Maja, Rasprostiranje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentrom sistemu, doktorska disertacija. 6 Radonić (Jakšić) J., Vojinović-Miloradov M., Turk Sekulić M., Kiurski J., Dogo M., Milovanović D.: The octanol-air partition coefficient, KOA, as a predictor of gas-particle partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls at industrial and urban sites, Journal of Serbian Chemical Society, 2011, Vol. 76, No 3, pp. 447-458, ISSN 0352-5139, UDK: doi: 10.2298/JSC100616037R 7 Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Šenk N., Okuka M.: Assessment of Atmospheric Distribution of Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons Using Polyparameter Model, Hemijska industrija, 2011, Vol. 60, No 4, pp. 371-380, ISSN 0367-598X, UDK: 504.5(497.11):547.621 7 Badonić					(Z01) Safety at	Work, Doctoral Academic S	Studies				
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	e and last r	amo:				vian			
	emic title:	lame.			Ubavin M. Dejan Assistant Professor				
				a a la an sua al sa di si di si sa di si			nces - Novi Sad		
	e of the insi ng date:	litution v	where the te	eacher works full time and	01.08.2005		inces - Novi Sau		
					Environment Protection Engineering				
	emic carie		Year	Institution			Field		
Acad	emic title e	lection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering		
	thesis		2012	Faculty of Technical Sci			Environment Protection Engineering		
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	elor's thesi	s	2004	Faculty of Technical Sci			Environment Protection Engineering		
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	ID	Course	e name			Study pro	ogramme name, study type		
		Quetei	nabla Llas i			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
1.	Z205			of Natural Resources and otection System			ety at Work, Undergraduate Academic Studies		
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
2.	Z309A	Solid V	Waste Mana	agement		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
3.	Z401A	Desigr	n and Plann	ing in Environmental Prot	ection	(Z20) Environmental Engineering, Undergraduate Academic Studies			
4.	Z401B	Desigr	n and Plann	ing in Environmental Eng	ineering		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
5.	Z409A		dous Waste ologies	e Management and Recyc	ling	(Z20) Environmental Engineering, Undergraduate Academic Studies			
6.	Z414	Conte	mporary Me	ethods of Soil Remediation	n	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
7.	OAS214	Integra	alni katastar	r zagađivača(uneti naziv r	na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies			
8.	Z309A	Upravl	janje čvrsti	m otpadom(uneti naziv na	engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies			
9.	M3202	Identif	ication and	reduction of pollution from	n industry	(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
10.	ZC047	Waste	to energy t	ehnologies		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
11.	Z452	Desigr enviro	n and maint nmental en	enance of quality control i gineering	in	(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies		
12.	Z508	Specif	ic Design C	onditions in Environment	Protection	(Z20) Envi	ronmental Engineering, Master Academic Studies		
13.	Z511	Institut	tional Fram	ework for Accidental Risk	Management	(Z20) Envi	ronmental Engineering, Master Academic Studies		
14.	ZR501	Hazar	dous Materi	ials and Hazardous Waste	e	(Z01) Safe	ety at Work, Master Academic Studies		
15.	ZR502			Assessment		(Z01) Safe	ety at Work, Master Academic Studies		
16.	Z508	sredin	e(uneti nazi	projektovanja u zaštiti živo iv na engleskom)			ronmental Engineering, Master Academic Studies		
17.	Z511	Institucionalni okviri upravljanja akcidentnim rizicima(uneti naziv na engleskom)			1	(Z20) Envi	ronmental Engineering, Master Academic Studies		
18.	GH508		-	d municipal waste treatma	ant systems	(G00) Civil	Engineering, Master Academic Studies		
19.	MPK027	Manag	gement of e	nvironmental facilities			enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
20.	SZSP21		n and Plann dous Materi	ing Processes to Minimiz	e Waste and	(Z00) Environmental Engineering, Specialised Academic Studies			
21.	ZD052		nt Use of N opment	atural Resources and Lov	v-Carbon	(Z00) Env Studies	ironmental Engineering, Doctoral Academic		
22.	ZDI23	Materi	al Flow Ana	alysis in Urban Systems		(Z00) Env Studies	ironmental Engineering, Doctoral Academic		



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



Study Programme Accreditation

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

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	ID	Course name		Study program	me name, study type				
23.	ZSP21	Design and Planning Processes to M Hazardous Materials	/inimize Waste and	Studies (Z00) Environm Studies	atics in Engineering, Docto ental Engineering, Doctora Work, Doctoral Academic	al Academic			
24.	ZRD213	Current state and development tend	encies of quality		Work, Doctoral Academic				
24.	ZRD213	management of work environment Economic implication of occupationa projects implementation	al health and safety	(Z01) Safety at	Work, Doctoral Academic	Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.		jević N., Ubavin D., Batinić B., Fellner s: a case study, WASTE MANAGE RE			andfills in Serbia and pote	ntial mitigation			
2.	character	rić G., Vukmirović S., Vujić G., Stanisa ristics in order to achieve specific was n (JSIR), 2011, Vol. 70, No 07, pp. 513	te management target	ts -case study of §					
3.	TEMPER	Jovičić N., Maja Đ., Ubavin D., Nakor ATURE AND OPERATIONAL - CON D, Thermal Science - International Sc 631.41	STRUCTIVĚ PARAME	ETERS ON LAND	FILL GAS GENERATION	- CASE STUDY			
4.		Milovanović D., Ubavin D.: Analiza ko renjaninu, Hemijska industrija, 2010, V				vanih čestica i			
5.		as modelling and risk assessment in t rnational Congress of Chemical and F				1 - CHISA 2004,			
6.		of location for building objects; - Sixth nd Eastern Europe and the Common							
7.		Batinić, B. Ubavin, D. Stanisavljević. I anagement policy in Vojvodina, Serbia							
8.		., Vujić G., Stanisavljević N., Batinić E . The ISWA 2012 World Solid Waste 2-9							
9.	East Euro	jević N., Jokanović S., Batinić B., Uba ope, Exemplified for The City of Novi ar, 2012, pp. 1266-1272, ISBN 978-8	Sad, 1. The ISWA 201						
10.	Batinić B., Ubavin D., Stanisavljević N., Vujić G., Tot B.: Analysis of relation between socioeconomic factors and MSW practice								
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		3						
Total	of SCI(SS	CI) list papers :	4						
Curre	ent projects	<u>.</u>	Domestic :	3	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nom	e and last r	amo:				Uzelac N. Du	čan			
	lemic title:	ame.				Full Professor				
		itution	vhere the t	eacher works full time	e and	Faculty of Technical Sciences - Novi Sad				
-	ng date:				e anu	09.11.1973				
Scier	ntific or art f	ield:				Applied Fluid Mechanics - Hydro Pneumatic Technics				
Acad	lemic carie	er	Year	Institution				Field		
Academic title election: 2002 Faculty of Technical Sc				al Sci	ences - Novi Sa	ad	Applied Fluid Mechanics - Hydr Technics	o Pneumatic		
PhD thesis 1991 Faculty of Technical So					al Sci	ences - Novi Sa	ad	Mechanical Engineering		
Magister thesis 1981 Faculty of Technical S					al Sci	ences - Novi Sa	ad	Mechanical Engineering		
Bachelor's thesis 1973 Faculty of Technical S					al Sci	ences - Novi Sa	ad	Mechanical Engineering		
List c	of courses b	eing he	ld by the te	acher in the accredit	ted stu	udy programme	s			
	ID	Course	e name				Study pro	gramme name, study type		
4		Durani		Chatiana			(M30) Ene Academic	ergy and Process Engineering, U Studies	ndergraduate	
1.	M3301	Pumpi	ng and Col	npression Stations			(ZC0) Clea Academic	an Energy Technologies, Underg Studies	raduate	
2.	M3306	Device	s for Mech	anical Purification			(M30) Ene Academic	ergy and Process Engineering, U Studies	ndergraduate	
2.	100000	Device					Academic			
3.	M3403	3 Fluid Machines					(M30) Energy and Process Engineering, Undergraduate Academic Studies			
4.	M3404	Hydropneumatic Components					(M30) Energy and Process Engineering, Undergraduate Academic Studies			
5.	M3452	2 Gas equipment					(M30) Energy and Process Engineering, Undergraduate Academic Studies			
6.	M3496	Pipelir	ie Transpo	tation			(M30) Energy and Process Engineering, Undergraduate Academic Studies			
7.	GH503	Hydro	Mechanica	I Machinery			(G00) Civil Engineering, Master Academic Studies			
8.	M3516	Hidrop	neumatic s	ystems			(M30) Ene Studies	ergy and Process Engineering, M	aster Academic	
Rep	oresentative	reffere	nces (minir	num 5, not more tha	n 10)					
1.	Univerzit	etski ud:	žbenik HID	ROPNEUMATSKE K	KOMP	ONENTE, godi	ina izdanja ⁻	1995, izdavač STYLOS, Novi Sad	d	
2.	Priručnik Sad, 200		ZA RUKOV	OĐENjE I ODRŽAV/	ANjE	CEVOVODA, L	JREÐAJA I	POSTROJENJA ZA PRIRODNI G	GAS, FTN, Novi	
3.	Skripta P	UMPNE	IKOMPR	ESORSKE STANICE	E, (aut	orizovana pred	lavanja), F1	ΓΝ, Novi Sad, 2000		
4.			šin, Solving 1, No3, Ni		fugal	Impellers of Flo	w Machines	s by Applying Boundaru Elements	s Methods, Facta	
5.				savljević B., Tašin S natics, Vol 1, Košice		ndaru Element	s Method A	pplied in Analysis of Flow Field ir	n Turbomachines,	
6.	Uzelac D Niš, 1998		kov R., Taš	in S., Starting of an	Electr	ic Motor Drive	with Hydrod	inamic Coupling, Facta Universit	atis, Vol 1, No5,	
7.				snji F., Surveying Th Mechanics, Kraguje			ng Egimes o	of a Driving Mechanism Wiht a H	lydrodynamic	
8.	Uzelac, E)., Tašir	, S.: Delim	ična automatizacija o	dvolini	jske gasne sta	nice, Termo	tehnika 1-4, Beograd, 1998		
9.	TRANSIE							MACHINE DRIVING SYSTEMS AND EDUCATION, Machine Desi		
Sur	2007	for toos	hor's soies	tific or art and profes	elono	Lactivity				
	ation total :	ion leat	and a sciel		0	activity.				
	of SCI(SS	CI) list p	apers :		0					
	ent projects				Dome	estic :	0	International :	0	
									•	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

	e and last n	ame:			Vićević D. Ma		
Acad	emic title:				Assistant Pro		
		titution v	where the te	eacher works full time and	,	chnical Scie	nces - Novi Sad
	ng date: ntific or art f	iald.			01.09.2009		
			Veer	Institution	Gas and Petr	oleum rech	
	emic caries		Year	Institution	Nevi O	1	Field
	emic title el	lection:	2009	Faculty of Technical Sci		ad	Gas and Petroleum Technics
	thesis		2004 1997	Essex university - Nepo:		Desgrad	Technological Engineering
	elor's thesis	5	1997	Faculty of Technology a	na metallurgy -	веодгац	Technological Engineering Technological Engineering
	ster thesis	aina ha	-	acher in the secredited at	udu programma		
	or courses b	eing ne	id by the te	acher in the accredited stu	udy programme	1	
	ID	Course	e name			Study pro	gramme name, study type
1.	M3451	Natura	I Gas and (Dil Preparation Equipment	t	Academic	an Energy Technologies, Undergraduate
2.	M3507	Combi	ustion Tech	nology			an Energy Technologies, Undergraduate
3.	M3201	Fuels	and lubrica	nts			ergy and Process Engineering, Undergraduate
4.	M3507	Combu	ustion techr	nology		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies
5.	M3555	Bioene	ergy Fuels a	and Alternative Processes		(ZC0) Clea Studies	an Energy Technologies, Master Academic
6.	M3512	Combu	ustion			(M30) Ene Studies	ergy and Process Engineering, Master Academic
7.	M3514	Engine	Engineering application programmes			Studies	ergy and Process Engineering, Master Academic
8.	M3555			and Alternative Processes		Studies	ergy and Process Engineering, Master Academic
9.	DM313		ss Kinetics			(M00) Me	chanical Engineering, Doctoral Academic Studie
Rep				num 5, not more than 10)			
1.	polyhydro	oxyalkar	noate: Hydr		iss transfer and		a Higee bioreactor (HBR) for production of on studies, CHEMICAL ENGINEERING AND
2.				oodhoo K., Morris J.: Kine 35, No 1-2, pp. 78-82, ISS		Free Radica	al Polymerisation in the Spinning Disc Reactor ,
3.		ackings					as–liquid mass transfer using a rotating bed of Eng. J., 2008, Vol. 135, No 1-2, pp. 141-150,
4.	zinc triflat	te cataly		ormance of immobilised c			o campholenic aldehyde using silica supported binning Disc Reactor, Chem. Eng. J., 2007, Vol.
5.							o campholenic aldehyde using silica supported 7, Vol. 133, pp. 31-41, ISSN 1385-8947
6.							Classical cationic polymerization of styrene in a ymer Science, 2006, Vol. 101, No 1, pp. 8-19
7.	disc reac	tor, Gre	en Chem., 2	2004, Vol. 6, No 10, pp. 5	33-537, ISSN 1	463-9262	nene oxide using supported catalyst in a spinnin
8.	environm	ent, Aca	ademic Jou	rnal of Manufacturing Eng	ineering – AJN	IE, 2011, Vo	ogram systems development as a part of virtual ol. 9, No 2/2011, pp. 61-66, ISSN 1583-7904
9.	HAPTIC	INTERA	CTION, 5.	International Conference	on Manufacturi	ng Science	/ELOPMENT OF PROGRAM SYSTEMS WITH and Education - MSE, Sibiu, 2-5 Jun, 2011
10.	Styrene F	Free Rad	dical Polym				c, K.V.K. Boodhoo and J. Morris Naziv: Kinetics Process Intensification and Innovation Process
Sun	()			tific or art and professiona	I activity:		
Quot	ation total :			14			

STAS STUD		WHKNX H						
OR	FACULTY OF TECHNICAL SCI	STATE -						
THE SCA	Study F	Study Programme Accreditation			CAL			
PLANTER	UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering							
Total of SCI(SSCI)) list papers :	7						
Current projects :		Domestic :	1	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	e and last n	ame:			Vilotić Ž. Drag	giša		
Acad	lemic title:				Full Professo			
Nam	Name of the institution where the teacher works full time and					chnical Scie	nces - Novi Sad	
starting date:					01.01.1975			
Scier	ntific or art f	ield:			Plastic Deformation Technology, Rapid Prototyping, Virtual			
Acad	lemic cariee	er	Year	Institution	Field			
Acad	lemic title el	lection:	1998	Faculty of Technical Science	ences - Novi S	ad	Plastic Deformation Technology, Rapid Prototyping, Virtual	
PhD	thesis		1986	Faculty of Technical Science	ences - Novi S	ad	Plastic Deformation Technology, Rapid Prototyping, Virtual	
Magi	ster thesis		1981	Faculty of Technical Science	ences - Novi S	ad	Plastic Deformation Technology, Rapid Prototyping, Virtual	
Bach	elor's thesis	S	1974	Faculty of Technical Sci	ences - Novi S	ad	Plastic Deformation Technology, Rapid Prototyping, Virtual	
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.	P207	Metal f	forming			(P00) Proo Studies	duction Engineering, Undergraduate Academic	
2.	P2401	Advan	ced Methoo	ds in Metal Forming		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
3.	P2413	Compu Formir		Design of Tools and Dies f	or Metal	(P00) Production Engineering, Undergraduate Academic Studies		
4.	P303	Machir	nes for Pro	cessing by Deforming		(P00) Production Engineering, Undergraduate Academic Studies		
5.	P3403	Technology of Plastic Forming - Shaping of p material			plastic	(P00) Proo Studies	duction Engineering, Undergraduate Academic	
6.	P3503	Machir	nes and De	vices for Plastic Processir	ıg	(P00) Proo Studies	duction Engineering, Undergraduate Academic	
-	140000	Masha					chanization and Construction Engineering, luate Academic Studies	
7.	M2062	Mecha	inical engin	eering technologies 2			chnical Mechanics and Technical Design, luate Academic Studies	
8.	M3203	Techn	ology of ma	achinery		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
9.	P3402	Physic	al and Pha	se States of Polymers		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
10.	ZR408A	Safety	at work on	the machines for process	ing	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
11.	P2407	Rapid	Prototyping	g and Rapid Tooling		(PM0)Pro	duction Engineering, Master Academic Studies	
12.	P3501	Tool D	esigning fo	or Plastic		(PM0) Pro	oduction Engineering, Master Academic Studies	
13.	P3503A	Conter	mporary Pr	ocess Systems for Plastic	Treatment	(PM0)Pro	duction Engineering, Master Academic Studies	
14.	BMIM4B	Techno	ologies of s	shaping biomedical materia	als		medical Engineering, Master Academic Studies oduction Engineering, Master Academic Studies	
15.	PMISP1	Modell	ing and Sir	nulation of Metal Forming	Processes	, ,	duction Engineering, Master Academic Studies	
16.	PTS01		ology of sin			, ,	oduction Engineering, Master Academic Studies	
17.	DP001		and Rese	arch Methods in Productio	n		chanical Engineering, Doctoral Academic Studies	
18.	DP005	State a		ncies in Development of M	etrology,	(M00) Me	chanical Engineering, Doctoral Academic Studies	
19.	DP008	Conter	mporary Me	ethods and TPD Systems		(M00) Me	chanical Engineering, Doctoral Academic Studies	
20.	DP012	Physic	al Modellin	g and TPD Simulation by	Computers	(M00) Mee	chanical Engineering, Doctoral Academic Studies	
21.	DP015	Nonco	nventional	Procedures of Forming in	TPD	(M00) Me	chanical Engineering, Doctoral Academic Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	ID	Course name		Study program	me name, study type	Study programme name, study type					
					ectronic and Telecommunic ctoral Academic Studies	cation					
				(E20) Computin Academic Studie	g and Control Engineering, es	Doctoral					
				(F00) Graphic E Studies	ngineering and Design, Do	ctoral Academic					
				(F20) Engineerii	ng Animation, Doctoral Aca	demic Studies					
				(G00) Civil Engi	neering, Doctoral Academic	c Studies					
22		Current State in the Field		(GI0) Geodesy a	and Geomatics, Doctoral Ac	ademic Studies					
22.	SID04	Current State in the Field		(H00) Mechatro	nics, Doctoral Academic St	udies					
				(I20) Industrial E Doctoral Acaden	Engineering / Engineering M nic Studies	lanagement,					
				(M00) Mechanic	al Engineering, Doctoral Ad	ademic Studies					
				(OM1) Mathema Studies	atics in Engineering, Doctor	al Academic					
				(S00) Traffic En	gineering, Doctoral Academ	nic Studies					
				(Z00) Environmo Studies	ental Engineering, Doctoral	Academic					
23.	DP026	Modern methods for polymers inves	tigation	(M00) Mechanic	al Engineering, Doctoral Ac	cademic Studies					
24.	DP028	Theoretical basis for forming polyme	er technology	(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies					
				(A00) Architectu	ire, Doctoral Academic Stud	dies					
25.	SID04	Present State in the Field	(AS0) Scenic Design, Doctoral Academic Studies								
				(Z01) Safety at Work, Doctoral Academic Studies							
Rep		e refferences (minimum 5, not more th	,								
1.		Kačmarčik I., Hartley P., Plančak M., gy, 2012, Vol. 212, No 4, pp. 817-824		f bi-metallic ring b	illets, Journal of Materials F	Processing					
2.		ov S., Vilotić D., Konjovoć Z., Vilotić N ental Mechanics, 2012, Vol. 52, No 11		rimental Method fo	or Detrmining the Workabili	ty Diagram,					
3.		ov S., Vilotić D.: A study on an effect I. 76, No 14, pp. 2309-2315, ISSN 00		ties on ductile frac	cture , Engineering Fracture	e Mechanics,					
4.		, Plančak M., Čupković Đ., Aleksandro ental Mechanics, 2006, Vol. 46, pp. 11			acture in Three Upsetting Te	ests ,					
5.		M., Hartley P., Esssa K., Vilotić D., Mo search International, 2012, pp. 1247-1			sis during bi-metallic coinin	g operations,					
6.		, Alexandrov S., Plančak M., Vilotić M , Steel Research International, 2012,			Formability at Upsetting by (Cylindrical and					
7.		, Alexandrov S., Plančak M., Movrin E search International, 2011, pp. 923-92		M.: Material For	mability of Upsetting by V-S	Shape Dies ,					
8.		E., Alexandrov S., Vilotić D., Movrin D International, 2010, Vol. 9, No 81, pp			le Fracture Initiation in Upse	etting, Steel					
9.	Fakultetu	, D. Milikić, M. Plančak, M. Milutinović i tehničkih nauka u Novom Sadu, 4. k Vršac, 13-16. juni 2006.									
10.		ć R., Vilotić D.: Prikaz tehnologije i op 06, strana 27-28, FTN, Novi Sad, juni		o zavarivanje terr	noplastičnih komponenata,	Zbornik radova					
Sur	nmary data	for teacher's scientific or art and profe	essional activity:								
	ation total :		17								
	,	CI) list papers :	15			1.					
Curre	ent projects	:	Domestic :	1	International :	1					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	e and last n	ame:			Vrgović D. Pe	etar		
	emic title:				Assistant Professor			
Nam	e of the inst	itution v	vhere the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
	ng date:				01.10.2006			
Scier	ntific or art f	ield:			Industrial Engineering and Engineering Management			
Academic carieer Year Institution							Field	
Academic title election: 2012 Faculty of Technical Sci					ences - Novi S	ad	Industrial Engineering and Engineering Management	
PhD	thesis		2012	Faculty of Technical Sci	ences - Novi S	ad	Engineering Management	
Magister thesis 2009 Faculty of Technical So			ences - Novi S	ad	Production Systems, Organization and Management			
Bachelor's thesis 2005 Faculty of Philosophy -			Faculty of Philosophy - I	Novi Sad		Psychological Science		
List c	of courses b	eing he	Id by the te	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	1409	Psych	ology in Ma	inagement		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
2.	11934	Psicho	logy of Wo	rk			vare and Information Technologies (Inđija), uate Professional Studies	
3.	IM1017	Comm	unicology			(I20) Engi Studies	neering Management, Undergraduate Academic	
4.	IM1052	Engine	eering Ethic	SS		Studies (M30) Ene	neering Management, Undergraduate Academic	
5.	IM1621	Quality	y in individu	al work			Studies neering Management, Undergraduate Academic	
6.	IM1913	Research Methodology for Human Resource			es 1	Studies (I20) Engir Studies	neering Management, Undergraduate Academic	
7.	IM1915	Emplo	yee protect	ion			neering Management, Undergraduate Academic	
8.	IM1918	Conflic	ct Managem	nent			neering Management, Undergraduate Academic	
9.	IM1922	Value	manageme	ent			eering Management, Undergraduate Academic	
10.	IMDS11	Emplo	yees' creati	ivity management		(I22) Engi Studies	neering Management, Specialised Academic	
11.	MBA308	Busine	ess commu	nication		(IB0) Engi Profession	neering Management - MBA, Specialised al Studies	
12.	NIT04	Comm	unication S	Skills			strial Engineering - Advanced Engineering ies, Master Academic Studies	
13.	IM2214	Creativ	ve Problem	Solving		(I20) Engir	neering Management, Master Academic Studies	
14.	IM2917	Creati	ve potential	s management		(I20) Engir	neering Management, Master Academic Studies	
15.	IM2918	Huma	n Resource	s Research Methodology	2	(I20) Engir	neering Management, Master Academic Studies	
16.	IM2920	Persor	nnel Manag	jement			ergy Management, Master Academic Studies neering Management, Master Academic Studies	
17.	IMDS77	Selected Chapters from Human Resource I			Management		neering Management, Specialised Academic	
18.	IMDR10	0 COGNITIVE MANAGEMENT				· · ·	strial Engineering / Engineering Management, cademic Studies	
19.	IMDR11	Emplo	yees' creati	ivity management			strial Engineering / Engineering Management, cademic Studies	
20.	IMDR77	Select	ed Chapter	s from Human Resource N	Management		strial Engineering / Engineering Management, cademic Studies	
21.	IMDR84		ACQUISITIC RPRETATIC	ON, ANALYSIS AND DN 1		· · ·	strial Engineering / Engineering Management, cademic Studies	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				

HSITAS STUDIO		FACULTY OF TECHNICAL SC	UNIVERSITY OF NO		EJA OBRADOVIĆA 6	ATTIMUKKAX MALE
NO. NEO	ANTEN	Study F	Programme A		DN and Process Engineering	HORI
Rep	presentative r	efferences (minimum 5, not more th	nan 10)			
1.	communica	Glassman B., Walton A., Vidicki P. tion network model for collaboratio 302, ISSN 1447-9338				
2.		gović I., Savić N., Jošanov B., Vrgo rnal of Business Management, 201				∕ in Novi Sad,
3.	Kapor-Star	ulović, N., Vrgović, P. (2009) Komu	inikologija za menadže	ere. Fakultet tehni	čkih nauka. Novi Sad	
4.	Kapor-Stan Novom Paz	ulović Nila, Vrgović Petar, Hinić Da zaru.	rko. (2009) Komunikol	ogija i komunicira	nje u organizaciji. Državni	univerzitet u
5.		tar, Hinić Darko, Matijević Nikolina, nt. Bar, Crna Gora.	Barać Milena. (2010)	Poslovno i organi:	zaciono komuniciranje. Fa	kultet za poslovni
6.	Customizat	Kovačević J., Mihailović D.: Effecti ion and Personalization in Central I BN 978-86-7892-432-3.				
7.		Mihailović D.: Idea management ir tional symposium SymOrg, Zlatibor				
8.	developing	Antonova A., Vidicki P.: Limiting in countries, 15. International Scientif, 2011, pp. 437-441, ISBN 978-86-7	ic Conference on Indu			
9.	for Growing	tar, Glassman Brian, Walton Abram g Economies by Connecting Entrepi urship, Innovation and Regional De	reneurial Inventors with	n Local Companie	es. International Conference	e on
10.		/rgović, P.: Measuring innovation ir i Sad: Faculty of technical sciences				ystems IS"08
Sur	mmary data fo	or teacher's scientific or art and prof	essional activity:			
-	ation total :		1			
	of SCI(SSCI) list papers :	2		latera effere el c	
Curre	ent projects :		Domestic :	0	International :	0



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Name and last name:						iić V. Goran			
Name and last name: Academic title:					Vujić V. Goran Associate Professor				
						clate Professor Ity of Technical Sciences - Novi Sad			
Name of the institution where the teacher works full time and Faculty starting date: 20.02.19									
						Environment Protection Engineering			
Acad	emic cariee	er	Year	Institution	Field				
Acad	emic title el	lection:	2012				Environment Protection Engineering		
	thesis		2007	Faculty of Technical Sci	ences - Novi Sa	ad	Environment Protection Engineering		
	ster thesis		2003	Faculty of Technical Sci			Environment Protection Engineering		
	elor's thesis	S	1998	Faculty of Technical Sci			Mechanical Engineering		
List c	of courses b	eing he	ld by the te	acher in the accredited stu					
	ID		e name				gramme name, study type		
1.	E0S42	Renev	vable sourc	es and environmental prot	tection		ver Engineering - Renewble Sources of Electrical		
							ety at Work, Undergraduate Academic Studies		
2.	Z204A	Monito	oring of the	Living Environment			an Energy Technologies, Undergraduate		
			-	-		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
3.	Z309A	Solid V	Waste Mana	agement			ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic		
4.	Z401A	Desigr	n and Plann	ing in Environmental Prot	ection	(Z20) Environmental Engineering, Undergraduate Academic Studies			
5.	Z401B	Desigr	n and Plann	ing in Environmental Engi	ineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
6.	Z409A	Hazardous Waste Management and Recyc Technologies			ling	(Z20) Envi Studies	Z20) Environmental Engineering, Undergraduate Academic tudies		
7.	OAS214	Integralni katastar zagađivača(uneti naziv n			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) Envir Studies	20) Environmental Engineering, Undergraduate Academ tudies		
12.	Z409A	Upravl	ljanje opasr	nim otpadom(uneti naziv n	a engleskom)	Studies	ronmental Engineering, Undergraduate Academic		
13.	M3202	Identif	ication and	reduction of pollution from	n industry	Academic			
14.	ZC047	Waste	to energy t	ehnologies		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
15.	Z452	Design and maintenance of quality control ir environmental engineering			n	(M40) Technical Mechanics and Technical Design, Mas Academic Studies			
16.	Z508	Specific Design Conditions in Environment Pro				(Z20) Environmental Engineering, Master Academic Studi			
17.	Z511	Institutional Framework for Accidental Risk Mana			0	(Z20) Environmental Engineering, Master Academic Stud			
18.	ZR501	Hazardous Materials and Hazardous Waste				(Z01) Safety at Work, Master Academic Studies			
19.	Z508			projektovanja u zaštiti živo iv na engleskom)	tne	(Z20) Environmental Engineering, Master Academic Studies			
20.	GH508			d municipal waste treatma	ant systems	(G00) Civil Engineering, Master Academic Studies			
21.	MPK012		waste mana			 (MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(une naziv na engledskom), Master Academic Studies 			
22.	MPK014	Monito	oring and sy	stem control		(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies			
23.	PIP16	Plastic	s and envir	onmental protection		(PM0) Production Engineering, Master Academic Studies			

SITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

of courses being	held by the te	eacher in the a	ccredited study	programme

List of courses being held by the teacher in the accredited study programmes										
	ID	Course name		Study programme 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) Environmental Engineering, Specialised Academic Studies						
26.	SZDI23	Material Flow Analysis in Urban Sys	tems	(Z00) Environmental Engineering, Specialised Academic Studies						
27.	SZSP21	Design and Planning Processes to N Hazardous Materials	/inimize Waste and	(Z00) Environmental Engineering, Specialised Academic Studies						
28.	ZCM06	Security of strategic energy facilities		(ZC0) Clean Energy Technologies, Master Academic Studies						
29.	ZD051	Applications of optimal control theor environment protection	y in living	(Z00) Environmental Engineering, Doctoral Academic Studies						
30.	ZDI23	Material Flow Analysis in Urban Sys	tems	(Z00) Environmental Engineering, Doctoral Academic Studies						
24	70.42	Models of Economic Evaluation of P	rojects for	(OM1) Mathematics in Engineering, Doctoral Academic Studies						
31.	ZDO42	Environment Protection		(Z00) Environmental Engineering, Doctoral Academic Studies						
32.	ZSP20	Systemic Regulation of Environment	t	(G00) Civil Engineering, Doctoral Academic Studies						
				(OM1) Mathematics in Engineering, Doctoral Academic Studies						
33.	ZSP21	Design and Planning Processes to M Hazardous Materials		(Z00) Environmental Engineering, Doctoral Academic Studies						
				(Z01) Safety at Work, Doctoral Academic Studies						
Rep	Representative refferences (minimum 5, not more than 10)									
1.		Pešenjanski, I.: Combustion chambe ation in central and Eastern Europe,		International Symposium and Exhibition on Environmental						
2.				nods, Which Are The Most Suitable For City of Novi Sad, Sixth ation in central and Eastern Europe, Prague 2003.						
3.	Serbia&N	Vujić, G.: Environmental due diligenc Iontenegro, Sixth International Sympo Prague 2003.	e and its appliance in osium and Exhibition o	specific national environmental condition in In Environmental Contamination in central and Eastern						
4.	Jezdimirc and Exhib	vic.I.A., Vujic,G., Mudric, J.: Special (bition on Environmental Contaminatio	Conditions of Raw and n in central and Easte	I Drinking Water management, Sixth International Symposium rn Europe, Prague 2003.						
5.		Bašić, Đ. Mihajlov, A.: Process of priv land, 16-18 december. 2003.	vatisation and enviror	ment in Serbia and Montenegro, PSU-UNS conference, HAT-						
6.				mašević, B.: Landfill gas modelling and risk assessment in CHISA 2004, 22-26,08.2004.Prague, Czech Republic.						
7.		0., Vujić, G., Bašić, Đ.:Landfill gas ext ronment - ICEE-2005, Novi Sad 19-2		systems; PSU-UNS International Conference On Engineering						
8.	Faculty of		ia and Montenegro, W	nity on landfill in city of Novi Sad – Serbia and Montenegro D. orld Congress and Exhibition "ISWA 2005", November 610.						
9.	Landfill L			hnology and Public Opinion as Key Factors in Regional ngineering and Environment - ICEE-2007, Phuket May10-11,						
10.		Mihajlović, V., Ubavin, D.: Possibilitie eering and Environment - ICEE-2007,		ge at Novi Sad Landfill, PSU-UNS International Conference 07. Proceedings CD ICEE2007150						
Sun	nmary data	for teacher's scientific or art and profe	essional activity:							
	ation total :		0							
		CI) list papers :	0							
Curre	ent projects	:	Domestic :	1 International : 1						



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

				-				
Name and last name:					Zuković M. Miodrag			
Academic title:					Assistant Professor			
Name of the institution where the teacher works full time and starting date:					Faculty of Technical Sciences - Novi Sad 01.12.1995			
	-	ield:			Mechanics			
	Scientific or art field: Academic carieer Year Institution					Field		
	emic title el		2009	Faculty of Technical Sci	onoon Novi S	ad		
	thesis	ection.	2009	,			Mechanics Mechanics	
				Faculty of Technical Sci			Mechanics	
	ster thesis		2000 1994	Faculty of Technical Sci				
	elor's thesis	-		Faculty of Technical Sci			Mechanics	
	or courses b	eing ne	to by the tea	acher in the accredited stu	lay programme	es		
	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	
						Undergrad	chanization and Construction Engineering, uate Academic Studies	
2.	M103	Mecha	anics 1			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
2.	101103	Mechanics 1					nnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
						chanization and Construction Engineering, uate Academic Studies		
2	M107	Mechanics 2				 (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 		
3.								
						(P00) Production Engineering, Undergraduate Academic Studies		
		Mechanics 3					chanization and Construction Engineering, uate Academic Studies	
4.	M201					(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.							chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
		M2411 Theory of Oscillation					chanization and Construction Engineering, uate Academic Studies	
5.	M2411					nnical Mechanics and Technical Design, uate Academic Studies		
						Studies	duction Engineering, Undergraduate Academic	
6.	M4301	Comp	uter Method	ls in Mechanics		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
]						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
7.	Z108	Funda	Fundamentals of Mechanics				ZC0) Clean Energy Technologies, Undergraduate cademic Studies	
						(Z20) Environmental Engineering, Undergraduate Academ Studies		
8.	BMI127	Biomo	Biomechanics				(BM0) Biomedical Engineering, Undergraduate Academic Studies	
0.		ыотте				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
9.	M44061 Optimization of mechanical systems				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			



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Study Programme Accreditation

Energy and Process Engineering

UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	me name, study type			
10.	BMIM4A	Transport phenomena and Living sy	stems	(BM0) Biomedia	cal Engineering, Master Aca	demic Studies		
11.	M45021	Computer Methods in Mechanics 2		(M40) Technica Academic Studie	l Mechanics and Technical es	Design, Master		
12.	DTM01	Computer Methods in kinematics an mechanical systems	d dynamics of	(M40) Technica	I Mechanics, Doctoral Acad	emic Studies		
Rep	oresentative	refferences (minimum 5, not more th	an 10)					
1.		M. and Cveticanin, L.: Chaotic Respo 2007, Vol. 13, No. 6, str. 751- 767, IS		ng System of Nor	n-ideal Type, Journal of Vibr	ation and		
2.	Zukovic,N 1229–124	И., Cveticanin,L., Chaos in non-ideal ı 46, 2009	mechanical system wit	h clearance, Jour	nal of Vibration and Control	, 15(8):		
3.		Zuković, TORZIONE PARAMETARSI ENJEM, Magistarska teza, Novi Sad,		IDRIČNOG ZUPČ	ASTOG PARA SA EVOLVI	ENTNIM		
4.	Zuković, M., NELINEARNE TORZIONE OSCILACIJE U ZUPČASTIM PRENOSNICIMA, VII Međunarodna konferencija fleksibilne tehnologije MMA 2000, Novi Sad, 08. juna 2000.							
5.	Zuković, M., Radomirović, D. Kuzmanović, S.: Analiza uticaja rasporeda zupčanika na dinamiku dvostepenog reduktora, Drugi skup o konstruisanju, oblikovanju i dizajnu KOD 2002, Novi Kneževac, Maj 2002, str. 141-144.							
6.	Radomirović, D., Zuković. M., Gligorić, Radojka: Uticaj ubrzanja, nagiba i mase prikolice na kretanje traktora, Traktori i pogonske mašine, Vol.7, No.4, Novi Sad, Decembar, 2002, str.57-61.							
7.	Zuković, M., Radomirović, D. Rakarić, Z.: Nelinearne oscilacije u mehaničkim sistemima sa zazorom, VIII MEĐUNARODNA KONFERENCIJA FLEKSIBILNE TEHNOLOGIJE, MMA 2003., Novi Sad, Srbija i Crna Gora, 26-27. Jun 2003.							
8.		ović, D., Maretić, R., Zuković. M.,: UN Godina 27(2003), broj 1, strana 119-12		NATE RAVANSKI	H KRIVIH U MEHANICI, Le	topis naučnih		
9.		ović, D., Gligorić, Radojka, Zuković. M .4, Novi Sad, Novembar, 2003, str.12		a 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							
-		for teacher's scientific or art and profe	,					
	ation total :		0					
		CI) list papers :	7					
Curre	ent projects	: :	Domestic :	1	International :	0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Nam	and last n	ame.			Žigić M. Miod	ran		
Name and last name: Academic title:					Assistant Professor			
Name of the institution where the teacher works full time and								
-	ng date:				01.10.2007			
Scier	ntific or art f	ield:			Mechanics			
Acad	emic cariee	er	Year	Institution	Field			
Acad	emic title el	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics	
PhD	thesis		2012	Faculty of Technical Science	ences - Novi Sa	ad	Mechanics	
Magis	ster thesis		2008	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics	
Bach	elor's thesis	S	2004	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics	
List o	f courses b	eing hel	ld by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	GG15	Streng	th of Materi	als		(G00) Civi	I Engineering, Undergraduate Academic Studies	
2.	GG410	Select	ed Chapter	s in the Theory of Elasticit	у	(G00) Civil	Engineering, Undergraduate Academic Studies	
						(H00) Mec	chatronics, Undergraduate Academic Studies	
3.	H112	Mecha	inics 1 – Fu	ndamentals		(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
4.	H201	Mecha	inics 2 - Ge	neral		(H00) Mec	chatronics, Undergraduate Academic Studies	
5.	H202	Streng	th of mater	als		(H00) Med	chatronics, Undergraduate Academic Studies	
6.	H303	Mecha	tronics 3 –	Further Chapters		(H00) Mec	chatronics, Undergraduate Academic Studies	
							chanization and Construction Engineering, uate Academic Studies	
7.	M204	Strength of Materials				 (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies 		
1.								
						(P00) Production Engineering, Undergraduate Academic Studies		
8.	M4302	Biomechanics and mechanics of sport				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
9.	M4306	Similar	rity and dim	ensional methods		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
10.	BMI128	Contin	uum Biome	chanics		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
11.	II1004	Mecha	inics and In	dustrial Engineering		(110) Indus Studies	strial Engineering, Undergraduate Academic	
12.	M44061	Optimi	zation of m	echanical systems		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
13.	M4504		al Elasticity			Academic		
14.	BMIM4A	Transp	oort 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		ations of op	timal control theory in livir ection	ng	(Z00) Environmental Engineering, Specialised Academ Studies		
17.	DM801	Biome	dical mecha	anics		(M40) Tec	hnical Mechanics, Doctoral Academic Studies	
							chatronics, Doctoral Academic Studies	
18.	DTM02	Theory of impact		(M00) Mechanical Engineering, Doctoral Academic Studie				
		,					hnical Mechanics, Doctoral Academic Studies	
		D:				, ,	fic Engineering, Doctoral Academic Studies	
19.	DTM03			odels and analysis of impa		, ,	chnical Mechanics, Doctoral Academic Studies	
20.	ZRD16A			in mechanics and elastic	ity theory	(Z01) Safe	ety at Work, Doctoral Academic Studies	
Rep				num 5, not more than 10)				
1.				: Modelling of the hamstrir sue 5 (2010), 1695-1700.	ng musle group	by use of fi	ractional derivatives, Computers and Mathematics	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Representative refferences (minimum 5, not more than 10)									
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: dissipation, 1st International Congress of Serbi 2007, str. 165- 172, UDK: 531/534(082), ISBN	an Society of Mechar							
5.	Grahovac N., Žigić M: Fractional derivative viso Differentiation and its Applications, Ankara, Tu			le group, 3rd IFAC Work	shop on Fractional				
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 scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010								
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.	c energy-like conserva	ation laws, 25th Y	ugoslav Congress on Tl	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								
Sur	nmary data for teacher's scientific or art and profe	essional activity:							
Quot	ation total :	5							
Tota	l of SCI(SSCI) list papers :	2	.	-i					
Curre	ent projects :	Domestic :	1	International :	0				



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

Study Programme Accreditation

Energy and Process Engineering



Standard 10. Organizational and Material Resources

UNDERGRADUATE ACADEMIC STUDIES

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

Lectures are held in amphitheatres, classrooms, computer and specialized laboratories. The library has over 100 bibliographical units relevant for the study programme Energy and Process Engineering. There is also adequate equipment for 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. Thereby, the adequate information technology is also provided.

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



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

Standard 11. Quality Control

The quality control of the study programme is performed regularly and systematically through selfevaluation and external quality control. The Faculty of Technical Sciences has experience in making students` questionnaires for several decades.

Quality checks of curriculum are being implemented through:

- students`questionnaires at the end of the teaching process in respect of the given course.

- graduates questionnaires on the occasion of receiving diplomas, regarding the quality of curriculum and logistic support of studies, place of studies (cleanness and tidiness of classrooms, hygiene nodes, ...)

- Students'questionnaires during the academic year validation .

- Students questionnaires when enrolling the academic year. The students then assess the degree program

which they ended in the previous year.

- questionnaires of the teaching and administrative staff on the quality of curriculum and logistics that are supporting the studies. In this questionnaire, the Dean, student services, libraries, and

other departments of the Faculty are evaluated. Besides, the comfort of the studying is also assessed (cleanness and tidiness of classrooms...)

Study program quality monitoring is done through a Commission consisting of the department heads who participate in the implementation of a program, and one student representing each year of the study.



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



Energy and Process Engineering

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Standard 12. Distance Education

Distance learning is not provided for.