ANTER STUDIORUM

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



Study Programme Accreditation

Clean Energy Technologies

STUDY PROGRAMME ACCREDITATION MATERIAL:

CLEAN ENERGY TECHNOLOGIES

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad 2012. Prevod sa srpskog jezika:

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies



Programme name	Clean Energy Technologies
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	Interdisciplinary
Scientific, proffesional or art field	Energy Technologies: Technical-Technological Sciences
Type of studies	Undergraduate Academic Studies
Study scope, expressed in ECTS	241-244
Academic degree, abbreviation	Bachelor with Honours in Energy Technologies, B.Ener.Tech.
Study length	4
Programme implementation starting year	
Future course implementation starting year (for new programme)	2013
Number of students attending this programme	0
Planned number of students to be enrolled in this programme	240
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	
Web address containing programme information	http://www.ftn.uns.ac.rs



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Clean Energy Technologies

Standard 00. Introduction

Clean Energy Technologies are energy efficient technologies and renewable energy technology. These technologies reduce the use of energy from conventional sources (fossil fuels). Energy efficiency and renewable energy applications use very different technologies. Energy efficiency measures are related to the methods and means for reducing energy consumption by improving use of the device, improving service and maintenance, replacement management system and so on.

Clean Energy Technologies falls into the category of energy efficiency and includes the combined production of heat and power, efficient lighting system, ventilation system, drives to drive pumps and fans, repair insulation, high-efficiency building envelope and windows, and other commercial technologies that are being developed.

Academic program Clean Energy Technology is an integrative, interdisciplinary and global.

Best Available Energy Technologies are technologies that offer newest solutions for environmental protection. Emissions from the process of these technologies are brought to a minimum. The Best Available Technology is defined by different protocols and the European Union have begun to be applied in our country.



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Clean Energy Technologies



Standard 01. Programme Structure

Standard 1

The name of the graduate academic study programme is Clean Energy Technologies. The academic degree obtained is Bachelor degree in Energy Technologies.

The learning process outcome on this level of study is knowledge which enables students to use the professional references, apply knowledge for solving particular problems in professional area or in continued education (in case they chose that).

The outcome of the learning process includes knowledge, skills and competence, enabling students to use the acquired knowledge in solving problems encountered in the profession, internship, research, including usage of scientific literature and graduate studies continuation.

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

The undergraduate academic studies in Clean Energy Technologies which last four years and is evaluated with 240 ECTS, includes mandatory and elective courses, professional praxis and Bachelor thesis.

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

Teaching is performed in the form of lectures and practical classes. During the lectures the subject matter is taught using the suitable didactic material with the necessary explanations which contribute to better understanding of the subject matter.

At the practice classes which accompany the lectures, particular practical tasks are solved and additional examples are given to further illustrate the topic. Practical classes also provide additional explanation of the topics presented at lecture classes. These classes can be devoted to organize solving of practical engineering problems.

Practice can be in the form of auditory, laboratory, computer or calculation classes. Practice classes can partially be conducted in a factory or other institution.

Each course is worth a certain number of ECTS (European Credit Transfer System) credits. Standard determines that one ECTS is equivalent to approximately 30 hours of student's activity (lectures, practice, exam preparation...). The studies are considered to be completed after the student has fulfilled all the obligations prescribed by the study programme and has attained the minimum of 240 ECTS credits.



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Study Programme Accreditation

Clean Energy Technologies

Standard 02. Programme Objectives

Growth in energy consumption in all areas of human activity, human population growth, limited quantities of fossil fuels and a significant increase in the concentration of greenhouse gases in the atmosphere, created the need to search for new energy technologies, which will be more efficient, and for new types of energy sources, which will be renewable, and their use in pollution of the environment is sustainable.

Purpose of the study program is to educate students for the profession of engineer energy technologies to meet the needs of society. This program provides to students specialized knowledge in the field of mechanical, electrical and environmental engineering, and skills related to management. In a time of searching for paths of sustainable social development expressed the desire and the need to integrate a variety of special knowledge. This program offers such integration.

Study program graduate study of Clean Energy Technology is designed to ensure the acquisition of competencies that are socially useful and necessary. The Faculty of Technical Science has defined the main tasks and objectives to educate highly competent personnel in the field of technology. The purpose of the study of Clean Energy Technology is fully consistent with the basic responsibilities of the Faculty of Technical Science.

Realization of this kind of concept study program, engineers energy technologies that have competence in the European and world scale are been educated.





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Clean Energy Technologies

Standard 03. Programme Goals

UNDERGRADUATE ACADEMIC STUDIES

The aim of the study program is to achieve competence and academic knowledge and skills in the field of Clean Energy Technologies. This, among other things includes the development of creative capacity for consideration of engineering problems, the ability of critical and analytical opinion, the development of teamwork skills, cooperation, communication and mastering specific practical skills necessary for optimal professional work.

The aim of the study programme is to educate an expert who has sufficient knowledge of the required basic scientific disciplines (mathematics, physics, chemistry, mechanics, thermodynamics), for the purpose of creating a clear picture of the processes taking place in energy systems and the environment, as well as knowledge and skills in the classical engineering disciplines in the field of mechanical engineering, energy, process systems, programming and applied professional disciplines in the field of Clean Energy Technologies.

One of the specific objectives, consistent with educational goals of experts from the Faculty of Technical Sciences, focuses on development of knowledge and awareness among students about the need for permanent education (lifelong learning 3L), and in particular on sustainable development and environmental protection.



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UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies



Bachelors with Honors in Clean Energy Technologies are competent, qualified and competitive to solve real world problems and continue their education, if they decide to do so.

Above all, the competencies include critical thinking skills, analysis skills, problem solution synthesis, prediction and assessment of the behavior of the selected solutions with a clear explanation of good and bad sides of the selected one.

In regard to specific abilities, a student acquires fundamental knowledge and understanding of the disciplines of engineering and technical professions, and ability to solve specific problems with the implementation of scientific methods and procedures through the adoption of this study programme. Having in mind the interdisciplinary nature of Clean Energy Technologies study programme, it is particularly important to focus on the ability to make relations and intersections of fundamental disciplines and technical sections, including holistic approach, and acquisition of basic knowledge in different areas and their application. Bachelors of Clean Energy Technologies are able to adequately design, create and present their results and engineering activities. During the study, emphasis is on the intensive use of modern information technologies and tools.

Bachelors of this study programme level have competency to apply knowledge in practice, perform monitoring, implement innovations in the profession, be able for problem-solving at all levels and cooperate with local-social and international environment.

Students are trained to design, organize and manage in the field of Clean Energy Technologies. During the training, a student acquires the ability to independently perform experiments, to interpret and statistically process results and to formulate and make a fair, realistic and implementable conclusion. Bachelors with honors in Clean Energy Technologies acquire competences in the sustainable use of energy of the Republic of Serbia in accordance with basic principles of sustainable development.

Students of this study program especially cherish and develop the capacity for teamwork and professional ethics.



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Clean Energy Technologies



UNDERGRADUATE ACADEMIC STUDIES

Standard 05. Curriculum

During the fourth year, the main focus is on the choice of Clean Energy Technologies issues, dealing with specifics in each of the selected sub-areas. During the fourth year, there are compulsory and optional courses. Through elective courses, students, in collaboration with professors, express and show their affinities and orientations that are profiled within the first three years of study.

All courses last one-semester and carry the appropriate number of ECTS. The schedule of courses in the study program is a logical consequence of the knowledge required for the next course, being acquired through previously realized courses.

The curriculum includes a description of each course containing the name of the course, type of the course , year and semester, the number of ECTS credits, name of the lecturer, the aim of the course with the expected outcomes, knowledge and competencies, prerequisites for attending the course , course content, recommended literature, teaching methods, testing and evaluation and other data.

The study programme complies with European standards in terms of admission requirements, length of study, conditions of transition to the next year, graduation, and modes of study.

An integral part of the curriculum in the field of Clean Energy Technologies is an internship and practice lasting 120 hours, which is implemented in the relevant research institutions, in organizations to carry out innovation activities, in organizations to provide infrastructural support to innovative activities, in commercial and industrial systems and public institutions.

A student completes the study by writing the Bachelor thesis, which consists of theoretical and methodological preparation, necessary for a profound understanding of the final thesis area, and elaboration of the thesis itself.

Before the paper defense, a candidate takes exam in theoretical and methodological foundations in front of the mentor. The final thesis grade is based on the evaluation of theoretical and methodological preparation and evaluation of elaboration and defense of the thesis. Final thesis is defended before a committee that consists of at least three lecturers.



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Clean Energy Technologies

Course:										
Course	id:	Z104					Mathematics	1		
Number	of ECTS:	6								
Teache	rs:		Adžić Z. N	Nevenka, Grbić F	P. Tatjana	, Lu	ukić J. Tibor, Nikolić M.	Aleksandar		
Course	status:		Mandator	У						
Number	of active tead	hing classe	es (weekly))						
L	ectures:	Practical	classes:	Other teachi	ing types:		Study resea	arch work:	Other cla	isses:
	3	:	3	0			0		0	
Precond	dition courses			None						
1. Educ	ational goal:									
Acquisi profess results.	tion of basic l ional courses	knowledge . Developm	in advand nent of the	ced mathematic ability of logica	s and ena I thinking,	ablir , dat	ing students to apply ata analysis and makin	acquired knowledge ig conclusions base	e in other ger d on the data	neral and analysis
2. Educ	ational outcom	nes (acquir	ed knowled	dge):						
Basic k courses	nowledge in a . Developed a	idvanced n abstract an	nathematic d logical th	s. Enabling stuc	dents to in ability to r	ndep mak	pendently use acquire ke conclusions based	d mathematical know on the data analysis	wledge in pro	fessional
3. Cours	se content/stru	ucture:								
Comple interrela sequen	ex numbers. \ ationships. Do ces. Limit of	/ectors, so eterminant a function	alar and v s and sys . Derivativ	vector product, tems of linear e ves. Graph of a	applicatio equations function.	on ii 6. Pc	in mechanics. Analyti olynomials and ratior	cal geometry in spa al functions. Bezou	ace, line, sur ut`s theorem.	face and Number
4. Teac	hing methods:									
Lectures held in underst Besides taken de can solv	s and Practice a combined r anding. During lectures and uring the teach ve them indep	e. Colloquiu nanner. Du g practice, practice, c ning proces endently or	ms during uring lectu which acco onsultatior is in the for	semester, exam res theoretical ompanies lecture ns are held on a rm of a colloquiu).	ination (pr part of the es, typical regular ba ım. During	roble e cc l pro asis g the	lems and theoretical te ourse is presented an oblems are solved and s. A part of the course e teaching process hor	st) at the end of the s d followed by typica the knowledge from , which represents a nework assignments	semester. Leo al examples n lectures is d logical whole are given an	tures are for better eepened. , may be d student
				Knowledge	evaluation	n (ma	naximum 100 points)			
	Pre-examina	ation obliga	tions	Mandatory	Points		Final ex	am	Mandatory	Points
Exercise	e attendance			Yes	5.00	Wr	ritten part of the exam	 tasks and theory 	Yes	70.00
Lecture	attendance			Yes	5.00					
Test				Yes	20.00	<u> </u>				
			- T		Liter	ratur	ire			
Ord.	A Neverla A 1				Title	e e		Publishe	er	Year
1, 2	INEVENKA Ad	ZIC ić Lidija Če	Ma mić Ma	atematika za Arh		ods	SEK I STOANE STRUKE			2006
<u>,</u>	Nevenka Ad		Zb	irka rešenih zada	ataka iz m	nater	ematike za	FTN		1998
, , ,	Tatiana Crhi	<u> </u>	Arl	hitektonski odsel irka rešenih zadi	k ataka iz M	later	matika 1	FTN		2001
4,	rayana Gibli	6	20		aland 12 IVI	atel				2001



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UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:									
Course	id:	ZC009			Energy	v, society and e	nvironment		
Number	of ECTS:	6							
Teache			Gvozdenac	Urošević D. B	ranka				
Course	status:		Mandatory						
Number	of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	3	3	3	0		0		0	
Precond	lition courses			None					
1. Educ	ational goal:								
This is society, econom	a fundamenta economy and y.	l course w environme	hich should nt. It is point	enable stude ed out the nec	nts to und essity of a	erstand important and u multidisciplinary approad	unbreakable relation ch to the problems fa	nship betwee aced by societ	n energy, y and the
2. Educ	ational outcom	es (acquire	ed knowledge	e):					
The kno about th	owledge is goi ne environmer	ng to be a it and ene	base for fur rgy.	ther study and	d monitorir	ng of other specialized o	courses. Developme	nt of socio av	wareness
3. Cours	se content/stru	cture:							
Historic types of activity a Reflecti and pric and env	al developmer f energy and e and energy use on of the futur e trends. The ironment.	nt of societ energy tech e. Projectio e developr importance	y and energ nologies. So ons and scen ment and gro e of the imple	y. The first an ocial aspects of arios of long-t owth of civiliza mentation of e	d second i of energy p erm trends tion on the energy polic	industrial revolution, a the production and use. State of the energy sector. The economy and the envir cies and programs of ration	nird (IT) revolution. T e of the environmen re relationship of ene ronment. Functioning onal use of energy to	The concept of at as a result ergy intensity a g of the energo the econom	of energy, of human and GDP. 3y market y, society
4. Teac	ning methods:								
Lecture	s, practice, cor	sultation.							
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Homew	ork			Yes	5.00	Written part of the exam	- tasks and theory	Yes	70.00
Homew	ork			Yes	5.00				
Test				Yes	10.00				
				100	Litera	ature			
Ord.	A	uthor			Title		Publishe	er	Year
1,	Grković V, G Urošević B.	vozdenac-	Ener	gija i društvo -	skripta		FTN, Novi Sad		2009
2,	Harris J.		Ekon savre	omija životne emeni pristup	sredine i pi	rirodnih resursa-	Data status, Beogra	ad	2009
3,	Nikolić M, Mil Milanović Z. I	najlović Mandal Š.	Ekon	omika energe	like		Ekonomski fakuklte	et Beograd	2003
4,	Požar H.		Osno	ove energetike	(Prvi i Dru	gi svezak)	Školska knjiga Zag	reb, Zagreb	1976



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UNDERGRADUATE ACADEMIC STUDIES

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Course:									
Course	id:	ZC003			Elec	tromechanical i	materials		
Number	of ECTS:	7							
Teache	-		Gerić D. ł	Katarina					
Course	status:		Mandator	у					
Number	of active teac	hing classe	es (weekly)	I					
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	3	0)	3		0		0	
Precond	lition courses	-	-	None		-			
1. Educ	ational goal:								
Obtaini enginee	ng new know ering.	ledge fror	n the field	od materials s	cience a	nd materials applied in	electroenergetic p	lants and me	chanical
2. Educ	ational outcom	nes (acquire	ed knowled	lge):					
Obtaine plants, i	d knowledge i ncluding mate	s applied ir rials select	n relating th ion for ach	ne materials stru ieving an increas	cture and sed effecti	properties, as well as app veness.	olication in various e	ngineering de	vices and
3. Cours	se content/stru	icture:							
Introduc theory. and frac materia structur selectio	tion to materia Phase diagrar ture mechanio s, copper and e, properties a n.	als science ns, one- ar cs. Enginee aluminium nd applical	. property o d two-com ering mater ; propertie tions. g) Co	dependance fror ponent systems rials characterist s and application omposite materia	n atomic, (. Phase tr ics: a) Me ns. b) Cera als (nano,	crystal micro- and macros ansformations in liquid/so tallic materialsi. Mechani amic materials - structure micro and macro compos	structure. Imperfection blid and solid/solid. r cal properties and te p, properties and app sites), properties and	ons in crystals einforcing med esting. FErrous lications. c) P applications.	. Alloying chanisms s metallic olymers - Materials
4. Teac	ning methods:								
Lecture effective	s and exercise e knowledge ti	es are inter ransfer. La	active. On boratory ex	lectures, materi kercises enable	als scienc practical a	e theory and practical ap	pplications are prese tained knowledge or	nted, to enabl i testing equip	e a more ment.
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points
Present	ation			Yes	10.00	Theoretical part of the ex	am	Yes	70.00
Term pa	aper			Yes	20.00				
					Liter	ature		i	
Ord.	A	uthor			Title		Publish	er	Year
1,	L. Siđanin, K	. Gerić	Ma	šinski materijali	I - sveska	1	FIN, Novi Sad 200)/	2007
2,	L. Sidanin, K	Gerić	Ma Ma	sinski materijali	I - SVESKA	2	FTN, NOVI Sad 200)7	2007
4,	W.D. Calliste	er, Jr.	Ma	terials Science a	and Engine	eering	John Wiley &Sons.	Inc. New	2008
5,	D. R. Askela Fulay	nd and P. F	P. Es	sentials of Mater	ials Scien	ce and Engineering	Cengage Learning	USA	2010



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

Clean Energy Technologies

Course:						–			
Course	id:	EJ01Z			Englis	sh Language - E	lementary		
Number	of ECTS:	2							
Teache	rs:		Bogdanović Z F. Jelisaveta	Ž. Vesna, Gal	k M. Draga	ana, Katić M. Marina, Liče	en S. Branislava, Mirc	ović Đ. Ivana,	Šafranj
Course	status:		Elective						
Number	of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	2	()	0		0		0	
Precond	lition courses			None		-			
1. Educ	ational goal:			<u>_</u>					
Masteri masteri	ng the basics	of the Engl of English	lish language: morphology a	pronunciatio	n of Engli	sh sounds, acquisition of	f vocabulary related t	o everyday s	ituations,
2. Educ	ational outcom	es (acquire	ed knowledge):					
Student	s are able to u	se spoken	and written E	, nglish in simp	le, everyd	ay situations.			
3. Cours	se content/stru	cture:							
The use (person Continu topics: i places e	e of articles, no al pronouns), ous, Present ntroduction, fa etc.	ouns (noun , auxiliary Perfect, Pa amily, free	is in Plural), a verbs (be, de ast Simple, fu time, work, fo	djectives (typ o, have), mo ture forms). (od and bever	bes of adje dal verbs Question a rages, nar	ectives, possessive adjec s. The use and construct and negative form of the ning and description of e	tives, comparison of ction of tenses (Pre- sentence. Vocabular veryday objects, des	adjectives), sent Simple, ry related to cription of pe	pronouns Present everyday cople and
4. Teac	ning methods:								
Commu emphas develop	nicative metho sis is placed oment of all l	od is used, on commi anguage s	since the obje unication bet skills.	ectives and co ween studer	ontents of hts and te	the course are aimed at eachers and students a	communication which imong themselves,	n is very com as well as t	plex. The balanced
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Test				Yes	10.00	Written part of the exam	- tasks and theory	Yes	70.00
Test				Yes	10.00				
Test				Yes	10.00				
					Litera	ature			
Ord.	A	uthor			Title	·	Publishe	er	Year
1,	John and Liz	Soars	New H	leadway Eler	nentary		Oxford University P	ress	2002
2,	Grupa autora	1	Oxford	d English - Se	erbian Dict	ionary	Oxford University P	ress	2006
3,	N. Coe, M. H Peterson	arrison, K.	Oxford	d Practice Gra	ammar - B	asic	Oxford University P	ress	2006



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:				_				
Course id:	NJ01Z		(Germa	an Language – I	Elementary		
Number of ECTS:	2							
Teachers:		Berić B. And	rijana, Jović E). Miomira	l			
Course status:		Elective						
Number of active tead	ching classe	s (weekly)						
Lectures:	Practical	classes:	Other teaching	ng types:	Study resea	arch work:	Other cla	asses:
2	0		0		0		0	
Precondition courses			None					
1. Educational goal:								
Mastering the fundar everyday situations,	mentals of and maste	the German ring fundame	language. Le entals of Geri	arning pr man morp	onunciation, spelling, m phology.	astering the vocabu	lary related	to simple
2. Educational outcon	nes (acquire	ed knowledge):					
Students are able to u	use both ora	I and written	German langı	uage in sir	mple everyday situations.			
3. Course content/stru	ucture:							
Practical part: master Vocabulary is related describing people an reflexive verbs, case indefinite pronouns, trotzdem.	ering funda I to everyda Id places, n s, indefinite modal verb	mental spee by topics: intro- noving in a c and definite s, imperative	ch patterns, oduction, fam ity, introducir article, nega e, comparisor	pronuncia illy, leisuro ng Germa tion, ques n, preposi	ation and spelling, deve e time, job, food and drir n culture, etc. Theoretic stions, statements, posse tions, sentences with th	loping the ability to hk, naming and desc al part: present, per essive pronouns, den e linking words denn	understand ribing everyc fect, separal monstrative j n, deshalb, s	listening. day items, ble verbs, pronouns, sonst and
4. Teaching methods:								
Emphasis is on the c important thing is mu	communicat utual interac	tion method, ction.	as well as or	n students	s` activity during the lect	ures. During the cor	nmunication	the most
			Knowledge e	valuation	(maximum 100 points)			
Pre-examina	ation obligat	ions	Mandatory	Points	Final ex	am	Mandatory	Points
Test			Yes	10.00	Written part of the exam	 tasks and theory 	Yes	35.00
Test			Yes	10.00	Oral part of the exam		Yes	35.00
Test			Yes	10.00				
Ord	A sufficiency of the sufficiency			Liter	ature	D.1		
		Them	an altual 1	Litle		Publishe	er	Year
1, H. Aufderstr	aise, i urugi	iner	ien aktuell 1			nueber verlag		2000



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course id: Z106 Mathematics 2 Number of ECTS: 6
Number of ECTS: 6 Teachers: Lukić J. Tibor, Nikolić M. Aleksandar Course status: Mandatory Number of active teaching classes (weekly) Image: Study research work: Lectures: Practical classes: 3 3 0 0 Precondition courses 1. Educational goal: Acquisition of basic knowledge in advanced mathematics and enabling students for abstract thinking and application of acquit knowledge in general and other professional courses. Development of the calculation techniques used for practical problems, project a professional courses. 2. Educational outcomes (acquired knowledge): Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
Teachers: Lukić J. Tibor, Nikolić M. Aleksandar Course status: Mandator Number of active teaching classes: (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 3 0 0 0 Precondition courses 0 0 0 1. Educational goal: Acquisition of basic knowledge in advanced mathematics and enabling students for abstract thinking and application of acquirk knowledge in general and other professional courses. Development of the calculation techniques used for practical problems, project a professional courses. 2. Educational outcomes (acquired knowledge): Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
Course status: Mandatory Number of active teaching classes (weekly) Image: Course status: Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 3 0 0 0 Precondition courses 0 0 0 1. Educational goal: Acquisition of basic knowledge in advanced mathematics and enabling students for abstract thinking and application of acquire knowledge in general and other professional courses. Development of the calculation techniques used for practical problems, project a professional courses. 2. Educational outcomes (acquired knowledge): Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 3 0 0 0 Precondition courses Image: Classes in advanced mathematics and enabling students for abstract thinking and application of acquire knowledge in general and other professional courses. Development of the calculation techniques used for practical problems, project a professional courses. 2. Educational outcomes (acquired knowledge): Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 3 0 0 0 Precondition courses Image: Course of the classes
3 3 0 0 Precondition courses 1. Educational goal: Acquisition of basic knowledge in advanced mathematics and enabling students for abstract thinking and application of acquir knowledge in general and other professional courses. Development of the calculation techniques used for practical problems, project a professional courses. 2. Educational outcomes (acquired knowledge): Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
Precondition courses 1. Educational goal: Acquisition of basic knowledge in advanced mathematics and enabling students for abstract thinking and application of acquir knowledge in general and other professional courses. Development of the calculation techniques used for practical problems, project a professional courses. 2. Educational outcomes (acquired knowledge): Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
 Educational goal: Acquisition of basic knowledge in advanced mathematics and enabling students for abstract thinking and application of acquis knowledge in general and other professional courses. Development of the calculation techniques used for practical problems, project a professional courses. Educational outcomes (acquired knowledge): Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
Acquisition of basic knowledge in advanced mathematics and enabling students for abstract thinking and application of acquit knowledge in general and other professional courses. Development of the calculation techniques used for practical problems, project a professional courses. 2. Educational outcomes (acquired knowledge): Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
 Educational outcomes (acquired knowledge): Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
Acquired knowledge is used in further education and in professional courses. The student uses and solves mathematical models us acquired mathematical knowledge. Enabling students for logical thinking and making conclusions based on the data analysis results
3. Course content/structure:
Real functions of one variable. Limiting values of the functions. Testing and analysis of the function and drawing its graph. Real function of multiple variables. Partial derivatives, total differentials. Differential calculus. Application of derived functions. Integrals. Application integrals. Differential equations of the first order. Differential equations of the higher order. Introduction to the series theory.
4. Teaching methods:
Lectures and Practice. Colloquium during semester, examination (problems and test in theory) at the end of the semester. Lectures a combined. During the lectures, theoretical part of the course is presented and followed by typical examples for better understandid During the Practice, which accompanies lectures, typical problems are solved and the knowledge from the lectures is deepened. Beside lectures and practice, consultations are held on the regular basis. Part of the course, which represents a logical whole, can be taked during the teaching process in the form of the colloquium. During the teaching process students get homework assignments which the solve individually or in a group.
Knowledge evaluation (maximum 100 points)
Pre-examination obligations Mandatory Points Final exam Mandatory Point
Exercise attendance Yes 5.00 Written part of the exam - tasks and theory Yes 70
Lecture attendance Yes 5.00
Ord Author Title Publisher Yei
1, Nevenka Adžić Matematika za Arhitektonski odsek i srodne struke FTN 2006
2, Jovanka Nikić, Lidija Čomić Matematika jedan, deo 1 FTN 2005
3, Irena Ĉomić, Aleksandar Diferencijalne jednačine FTN 2005
4,Nevenka AdžićZbirka rešenih zadataka iz matematike za Arhitektonski odsekFTN1998



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course: Probability, Statistics and Random Processes Course id: ZC006 Number of ECTS: 6 Teacher: Stojaković M. Mila Course status: Mandatory Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 2 1 1 0 0 Precondition courses None 1. Educational goal: Ability of abstract thinking and acquiring basic knowledge in the area of probability, statistics and stochastic processes. 2. Educational outcomes (acquired knowledge): In their further education and professional subjects students are competent to develop and solve mathematical models in the area of probability, statistics and stochastic processes. 3. Course content/structure: Basic definitions in probability, conditional probability and Bayes' formula. Random variable of discrete and continuous type, distribution functions. Two dimensional random variable. Conditional distribution. Numeric characteristics - expectation, dispersion, covariance, correlation. Conditional expectation. Limit theorems. Statistics - point estimate and interval estimate, parametric and nonparametric hypotheses and significance testing. Stochastic processes - general notions. Stochastic process transformation- derivative, integral. Poisson process, white noise, telegraph signal. Markov chains and processes, birth-death process, mass service systems. Stationary process. Mass service systems. 4. Teaching methods: Lectures, Numerical calculation practice and computer practice (statistics). Consultations. Lectures are conducted combining theoretical part of the subject matter with characteristic examples which facilitate understanding. During practice classes, which accompany the lectures, some characteristic problem tasks are done and the presented material is discussed in more detail. In addition to the lecture and practice classes there are regular consultations. Parts of the course which form a logical unit can be taken during the course in the form of 4 partial exams based on the modules (module one: probability theory, module two: random variable, module three: statistics, module four: stochastic processes). The oral part of the final exam is not obligatory. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Exercise attendance 5.00 Written part of the exam - tasks and theory Yes 60.00 Yes Lecture attendance 5.00 Oral part of the exam Yes 10.00 Yes Test 10.00 Yes Test 10.00 Yes Literature Ord. Author Title Publisher Year Mila Stojaković Slučajni procesi Symbol, Novi Sad 200 1, Zbirka rešenih zadataka sa pismenih ispita iz Tatjana Grbić, Ljubo Nedović FTN, Novi Sad 2002 2 verovatnoće



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course: **Engineering Graphic Communications** Course id: ZC007 Number of ECTS: 8 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: 2 2 1 0 1 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 Graphic paper 20.00 Yes Lecture attendance 5 00 Yes Term paper 20.00 Yes Test 10.00 Yes Test 10 00 Yes Literature Ord. Author Title Publisher Year 1 S. Navalušić, Z. Milojević Inženjerske grafičke komunikacije, skripta FTN, Novi Sad 2005 Konstruktivna geometrija, autorizovana predavanja -2 Ratko Obradović FTN, Novi Sad 2005 skripta G. Bertoline, E, Wiebe, and Fundamentals of graphics communication, third 3. McGraw-Hill 2002 edition others F. Giesecke, A. Mitchell, and 4, Modern Graphics Communication, second edition Prentice Hall 2001 others 5, J. Earle Engineering Design and Graphics, eleventh edition Pearson Education Inc 2004 Fundamentals of Three-Dimensional Descriptive 6. Steve Slaby Harcourt, Brace & World, Inc. 1966 Geometry Lazar Dovniković 1994 7, Nacrtna geometrija Univerzitet u Novom Sadu



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:											
Course	id:	ZC008				Technical phys	sics				
Number	of ECTS:	6									
Teache	rs:		Kozmidis-Pe	trović F. Ana,	Lončarev	ić M. Ivana					
Course	status:		Mandatory								
Number	of active teac	hing classe	s (weekly)								
L	ectures:	Practical	classes:	Other teaching	ng types:	Study resea	arch work:	Other cla	asses:		
	2	0		2		0		0			
Precond	dition courses None										
1. Educ	1. Educational goal:										
Acquisition of basic knowledge in technical physics.											
2. Educ	2. Educational outcomes (acquired knowledge):										
Basic kı	Basic knowledge in technical physics.										
3. Course content/structure:											
Fundan and die magnet ferroma Ultraso instrume The phy	Fundamental forces and conservation laws. Special theory of relativity. Basics of electrostatics. Electric field and potential. Conductors and dielectrics in an electric field. Electricity. Direct current. Modern theory of conductivity. Semiconductors. Electromagnetism. The magnetic field of electricity. Electromagnetic induction. AC electricity. The magnetic field in materials; diamagnetism, paramagnetism, ferromagnetism. Wave motion and acoustics. Wave equation. Doppler effect. Power and volume of the sound. The absorption of sound. Ultrasound. Optics. Basic laws of geometric optics. Regula reflection. Diffusel reflection. Index of refraction. Dispersion. Optical instruments. Wave optics. Interference, diffraction, dispersion and polarization of light. Laws of black body radiation. Photoeffect. Lasers.										
4. Teac	hing methods:										
Lecture	s, laboratory p	ractice, com	puting practi	ce.							
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	ation obligati	ons	Mandatory	Points	Final ex	kam	Mandatory	Points		
Comple	x exercises			Yes	20.00	Written part of the exam	- tasks and theory	Yes	70.00		
Exercise	e attendance			Yes	5.00						
Lecture	attendance			Yes	5.00						
					Liter	ature					
Ord.	Α	luthor	Title Publisher Yea				Year				
1,	Ana Petrović		Osnov	/i primenjene	fizike		Fakultet Tehničkih	Nauka	2007		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:												
Course	id:	Z108			Fun	damentals of M	echanics					
Number	of ECTS:	7										
Teache	rs:		Maretić B.	Ratko, Simić S	. Srboljub,	Zuković M. Miodrag						
Course	status:		Mandatory	/								
Number	of active teac	hing classe	s (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:			
	3	2	2	0		0		0				
Precond	lition courses		-	None								
1. Educ	ational goal:			-								
Introduc	ntroducing students to the basic principles and methods of mechanics and its application in the analysis of static and dynamic systems.											
2. Educ	ational outcom	ies (acquire	ed knowled	ge):								
Student environ sense, s	ts acquire kno mental engine students obtai	owledge in ering. They n the patte	mechanic: / can be de rn for solvir	s necessary for eveloped and ap ng diverse engin	r understa oplied in o neering pr	anding stationary and no ther professional course oblems.	on-stationary proces s and practical work	sses interesti . In the metho	ng in the dological			
3. Course content/structure:												
Force, e loaded i (station Newton oscillati impact rigid bo	Force, equilibrium, fundamental principles of statics. Constraints and forces of reaction. Equilibrium conditions. Stress, dilatation, axially loaded rods. Hooke's law. Statically indeterminate problems. Torsion of rods, stress, angle of torsion. Bending of beams, stresses. Statical (stationary) models in environmental engineering. Kinematics of particle: reference frame, position vector, velocity and acceleration. Newton's laws of motion. Work, energy and power, conservation and disipation of energy. Stability of dynamical systems. Small oscillations (free, damped and forced), linearization of differential equations of motion. Momentum and its rate of change; application to impact theory. Angular momentum. Dynamics of the system of particles. Kinematics and dynamics of deformable bodies. Elements of rigid body kinematics and dynamics. Dynamical (non-stationary) models in environmental engineering.											
4. Teac	hing methods:											
Lecture practice present the collo	s, Practice, C problems illued to students oquiums. Durir	onsultation ustrating a using com ng the seme	is. During t pplication puter simul ester 3 collo	the lectures bas of these metho lation. During se oquiums are org	sic princip ods in solv mester st ganized wh	les and general method ving specific problems a udents do homework ass nich may substitute the w	s of mechanics are are being solved. C ignments which are ritten (practical) part	presented. D omplex exan prerequisites of the examir	uring the pples are for taking nation.			
	·	-		Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ition obligat	tions	Mandatory	Points	Final e	xam	Mandatory	Points			
Exercise	e attendance			Yes	5.00	Coloquium exam		Yes	40.00			
Homew	ork			Yes	20.00	Oral part of the exam		Yes	30.00			
Lecture	attendance			Yes	5.00							
					Liter	ature						
Ord.	A	uthor			Title		Publish	er Rouko Novi	Year			
1,	S. Simić, R. I	Maretić	Osr	Osnove mehanike			Sad	hauka, Novi	2007			
2,	Đ.S. Đukić, T L.J. Cvetićan	.M. Atanac in	^{ković,} Mel	^{ić,} Mehanika			Fakultet tehičkih na Sad	auka, Novi	2003			
3,	G.V. Middleto	on, P.R. Wi	Icock Mee	ck Mechanics in the Earth and Environmental Sciences			Cambridge University Press		1994			
4,	F. Ziegler		Mechanics of Solids and Fluids Springer-Verlag, New York				ew York	1998				
5,	F.P. Beer, E.	R. Johnsto	n Veo	Vector Mechanics for Engineers McGraw-Hill, New York 2004								
6,	C.R. Hadlock	(Mat	thematical Mode	eling in the	Environment	of America, W. DC	Association	1998			



UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:		_		_							
Course id: E.	J02L	E	nglish l	₋anguage – Pre	-Intermediate	;					
Number of ECTS: 2											
Teachers:	Bogo F. Je	lanović Ž. Vesna, G lisaveta	ak M. Drag	ana, Katić M. Marina, Liče	en S. Branislava, Mirc	ović Đ. Ivana,	Šafranj				
Course status:	Elect	ive									
Number of active teaching	ng classes (we	ekly)									
Lectures:	Practical class	es: Other teacl	ning types:	Study resea	arch work:	Other cla	isses:				
2	0	C)	0		0					
Precondition courses	Precondition courses										
1. Educational goal:		-									
Broadening the knowledge of the English language: broadening the vocabulary related to everyday situations, adoption of basic prefixes and suffixes, compound words and collocations, broadening the use of tenses, adoption of complex sentence structures.											
2. Educational outcomes	s (acquired kno	wledge):									
Students are able to use spoken and written English in everyday situations using wider word fund and more complex sentence structures.											
3. Course content/structure:											
Word formation (prefix Continuous, Present P irregular verbs. First ar	kes, suffixes, o erfect Simple nd Second Co	compound words), and Continuous, P nditional.	some phra ast Perfec	asal verbs, collocations. t, Past Continuous, futur	Broadening the us e forms). Adoption	e of tenses of a larger n	(Present umber of				
4. Teaching methods:											
Communicative method method contributes to b their interaction with the	l is used, since alanced devel e teacher and a	e objectives and con opment of all langua among themselves.	ntents of th age skills.]	e course are aimed at co The emphasis is placed o	mmunication, which n the student activition	is very comp es during lect	olex. This tures and				
		Knowledge	evaluation	(maximum 100 points)							
Pre-examination	on obligations	Mandatory	/ Points	Final ex	am	Mandatory	Points				
Test		Yes	10.00	Written part of the exam	- tasks and theory	Yes	70.00				
Test		Yes	10.00								
Yes 10.00											
			Liter	ature							
Ord. Aut	thor		Title Publisher		er	Year					
1, John and Liz S	Soars	New Headway Pre-Intermediate Oxford University Press, Oxford				2002					
2, John Eastwood	b	Oxford English Grammar Intermediate Oxford University Press, Oxford 2006									
3, Grupa autora		Oxford English -S	erbian Dicti	onary	Oxford University P	ress	2006				



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:			-						
Course id:	NJ02L		Ge	rman I	Language – Pre	-Intermediate	e		
Number of ECTS:	2								
Teachers:		Berić B. Andı	rijana, Jović E). Miomira	l				
Course status:		Elective							
Number of active tead	hing classes	s (weekly)							
Lectures:	Practical of	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:	
2	0		0		0		0		
Precondition courses									
1. Educational goal:									
Further developing the German language essentials, expansion of vocabulary related to various situations, extension in the usage of tenses, adoption of more complex sentence structures, introduction to culture, customs and ways of thinking of people speaking the German language, expansion and developing language communication competence.									
2. Educational outcom	nes (acquire	d knowledge):						
Students are capable more complex gramm	of using bo	th oral and w s.	ritten langua	ge in a nu	mber of everyday situatio	ons by using the expa	anding vocab	ulary and	
3. Course content/stru	icture:								
Practical part of the c Theoretical part of the question pronouns, r damit, verb rection, v	ourse: comp course: imp elative pron verb use of o	orehending c perfect, part o ouns with re comparative	omplex even of passive str lative clause and superlat	/day spok uctures, c s, asking ive, certa	en situations, developing ertain infinitive structures questions in indirect spe in time sentences.	g the ability to unders , subject and object (, final sentences	stand the liste clauses, conj with the link	ened text. unctive 2, king word	
4. Teaching methods:									
Emphasis is on comm	unication, ir	nplying stude	ents` activity c	luring the	classes. During the comn	nunication, mutual int	eraction is es	sential.	
			Knowledge e	valuation	(maximum 100 points)		-		
Pre-examina	ation obligati	ons	Mandatory	Points	Final ex	kam	Mandatory	Points	
Test			Yes	10.00	Written part of the exam	 tasks and theory 	Yes	35.00	
Test			Yes	10.00	Oral part of the exam		Yes	35.00	
Test			Yes	10.00					
				Liter	ature				
Ord. A	Nuthor	Title Publisher Year					Year		
1, H. Aufderstra Müller, H. Mü	aße, H. Bock üller	^{k, J.} Them	en aktuell 2			Hueber Verlag		2004	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:				_							
Course	id:	M203		F	undan	nentals of Therr	nodynamics				
Number	of ECTS:	5									
Teache	r:		Dragutinovid	ć D. Gordan							
Course	status:		Mandatory								
Number	of active teac	hing classe	s (weekly)			-					
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	2	2	2	0		C		0			
Precondition courses None											
1. Educ	ational goal:										
Introduc	Introduction to the structure of thermodynamics, thermodynamics concepts and methods of solving energy conversion problems.										
2. Educ	ational outcom	nes (acquire	ed knowledge	e):							
Acquisit machine	Acquisition of basic knowledge for solving technical problems of thermodynamics, thermo processing techniques and designing heating machines and facilities.										
3. Cours	se content/stru	icture:									
(1) The thermod vapor). handed	(1) Thermodynamic system. Mechanical and thermodynamic axioms: conservation of mass, impulse, the firs and the second law of thermodynamics. (2) Equation of state: thermal and caloric equations of substance state (ideal gases, real gases – water and water vapor). (3) Processes. Perfect and real processes. Cycles and the thermodynamics efficiency of these processes (right-handed and left-banded steam and gas processes)										
4. Teac Lecture	hing methods: s and Auditory	Practice. F	Practice acco	mpanies lectu	res and de	emands a high level of st	udent independency	in solving pro	blems.		
				Knowledge	evaluation	(maximum 100 points)					
	Pre-examina	ation obligat	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		
Lecture	attendance			Yes	5.00			•			
Test				Yes	10.00						
Test				Yes	10.00						
			-		Liter	ature	1				
Ord.	Α	wthor	Neul	a o toplati ta	Title	ika propos taplata	Publish	er m Sodu	Year		
1,	M. Marić		sago	Nauka o toploti - termodinamika, prenos toplote, sagorevanje Univerzitet u Novom Sadu, Fakultet tehničkih nauka				nauka	2006		
2,	Đ. Kozić, B. ^v Bekavac	Vasiljević, \	Priručnik za termodinamiku i prostiranje toplote Građevinska knjiga, Beograd 1				1983				
3,	M. J. Moran,	H.N. Shapi	ro Fundamentals of Engineering Thermodynamics John Wiley & Sons, Inc. 19					1992			
4,	Y. A. Cengel	, M.A. Bole	s Therr	Thermodynamics: An Engineering Approach McGrow-Hill 1998							
5,	D. Malić, B. I Valent	Jorđević, V	. Term	odinamika str	ujnih proce	esa	Građevinska knjiga	a, Beograd	1970		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:												
Course	id:	M205		F	undan	nentals of Fluid	Mechanics					
Number	of ECTS:	5										
Teacher	r:		Bukurov Ž	. Maša								
Course	status:		Mandatory	/								
Number	of active teac	hing classe	es (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
	2	1	1	1		0		0				
Precond	lition courses			None								
1. Educa	ational goal:											
Introduc	tion to the phy	sical prope	erties of flui	ds and behaviou	Ir of fluids a	at rest and in motion.						
2. Educa	2. Educational outcomes (acquired knowledge):											
Acquisit dimensi	ion of knowled oning of pipeli	lge for solv nes, deterr	ving problei mining flow	ms in the field lid characteristics)	quid and ga	as at rest and in motion	(dimensioning of con	tainers and re	eservoirs,			
3. Cours	se content/stru	cture:										
The sub microsti capillarit liquids a surfaces of ideal - a form pipeline measure	The subject and a brief historical development of Fluid Mechanics. General concepts. Physical properties of fluids. Molecular structure - microstructure. The division of physical properties. Pressure. Density. Compressibility. Speed of sound. Viscosity. Surface tension, capillarity and critical pressure. Cavitation. Fluid statics. The hydrostatic pressure. Euler equations for a static fluid. Pressure distribution in liquids and gases in the field of gravity. Fluid pressure on a flat surface. Hydrostatic forces on flat surfaces. Hydrostatic forces on curved surfaces. Buoyancy. Fluid as rigid body under uniform linear acceleration. Fluid as rigid body under rotation. Fluid Kinematics. Dynamics of ideal fluid. Euler equations.Bernoulli integral of Euler equations. Bernoulli equations. Correction factor of kinetic energy. Pipe problems - a form with losses. The coefficient of friction. The method of approximation. Pipeline with turbomachinery, the critical pressure, closed pipeline system. The energy diagram. Complex pipelines. Flow through the holes and sockets. Flow with the variable level. Flow rate measurement.											
4. Teacl	hing methods:											
The cou blackbo related computi on boar obtained and get	arse is held by ard. There are to the lecture ng practice (11 d by gradual of d results to ge approval for the	using mod a number d units are d weeks) a display of r t end resul nem at the	dern equip of movies brought to nd laborato results. Lat its and to d next labor	ment (all lecture in fluid mechani o class when p ry (5 weeks). Co ooratory practice raw graphs. Stu atory practice cla	es are done ics being p ossible (pi omputing p e is held a dents have ass.	e in Power Point), but al- resented to the students pe elements, measuren ractice accompanies lec t once for 6 hours, wher e to complete practice fo	so by using classica b, but also assigned the nent instruments). P tures and examination e students carry out r homework in order	l methods – c for homework rractice is div n problems a c experiments to defend the	chalk and Objects ided into re solved and use eir results			
				Knowledge e	evaluation ((maximum 100 points)						
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Exercise	e attendance			Yes	2.00	Oral part of the exam		Yes	50.00			
Laborat	ory exercise at	tendance		Yes	3.00							
Lecture	attendance			Yes	5.00							
Test				Yes	10.00							
Test				Yes	10.00							
Test				Yes	10.00							
1651				Yes	litora	turo						
Ord	•					liture	Dublish		Veer			
Ura. ₄	A Močo Dukura	uthor	Ittle Publisher				rear					
ן, ר		v	Usnovi menanike fluida skripta				auka	1027				
<u>ک</u> ,	Žarko Bukuro	ov, Petar S	· •		dooi				1075			
3,	Cvijanović	. Derrell 1	ivie	nanika nulua zao	udCl			auka	1973			
4,	Todorović Si	w, bog0ljul niša Bikić	Zbi	rka zadataka iz o	osnova me	hanike fluida	FTN Izdavaštvo		2011			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:				_								
Course	id:	II1007		F	undan	nental electrical	engineering					
Number	r of ECTS:	5										
Teache	rs:		Pekarić-Na	ıð M. Neda, Juh	nas T. Ana	imarija						
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	asses:			
	2	2		0		0		0				
Precond	Precondition courses None											
1. Educ	1. Educational goal:											
The cou electric	The course objective is to teach the students terminology and fundamental laws in electrical engineering, as well as to train them to solve electric circuits of direct current and time alternating current.											
2. Educ	ational outcom	es (acquire	d knowledg	je):								
Student harmon students of a mu	Students who complete the course are able to solve simple electrical circuits of direct current and to solve simple electric circuit with time harmonic current. They also know how to calculate instantaneous, complex, active, reactive and maximum power in electric circuits. The students are able to individually solve simple electrical problems, to successfully communicate with their peers and to be a successful part of a multidisciplinary team.											
3. Cours	se content/stru	cture:										
Electric parallel current AC circi	energy, volta resistors, mixe circuits. Time uits. Complex	ge, potentia ed resistors. harmonic cu power. Max	al. Capacito Joules law urrent. Impo imum activ	ors. Intensity o /. Kirchhoff's vo edance and sin ve power transfo	f electric oltage law nple circui er. Symme	current. Kirchhoff's Cur . Generators and their ch ts. Phasors. Time harmo etrical three phase system	rent law. Ohms law, aracteristics. Simple nic analysis, trigonor ms.	resistors, s electric circu netrical solut	eries and its. Direct ion of the			
4. Teac	hing methods:											
The cou a set of	irse consists o small example	f lectures ar es . Students	nd multimed s work on a	dia presentatior it least four lab	ns. Inducti experimer	ve teaching method is ap nts related to direct currer	plied. Engineering int nt and time harmonic	uition is built current.	based on			
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ition obligati	ons	Mandatory	Points	Final ex	kam	Mandatory	Points			
Laborat	ory exercise at	ttendance		Yes	10.00	Written part of the exam	- tasks and theory	Yes	70.00			
Test				Yes	10.00							
Ord	Δ	uthor		Title Publisher				Year				
1.	Anamarija Ju	has, Miodra	ig Zbirl	Zbirka iz osnova elektrotehnike za studente Edicija FTN			2012					
2.	Giorgio Rizzo	<u>ua Pekaric I</u> oni	Prin	strukovnih studija Zoriz Principles and applications of electrical engineering McGraw Hill 2011								
,	- 5			1					-			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:										
Course	id:	M119			Er	nergy Transform	nations			
Number	of ECTS:	4								
Teacher	'S:		Gvozdena	ac D. Dušan, Gv	ozdenac U	Irošević D. Branka				
Course	status:		Mandator	у						
Number	of active teac	hing classe	es (weekly)	l.						
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:	
	2	2	2	0		0		0		
Precond	lition courses		-	None						
1. Educa	ational goal:									
Introduc thermal	ntroduction to the basic thermodynamics concepts and methods of solving energy conversion problems and application to the specific thermal processes and plants.									
2. Educational outcomes (acquired knowledge):										
Acquisiti plants.	Acquisition of basic knowledge about the analysis methods of energy transformation, as well as about the types and processes of thermal plants.									
3. Course content/structure:										
Classific primary internal mechan	ation of energ forms of ener thermal into ical into elec	y forms. B gy into mo mechanic trical ener	asic conce ore suitable al energy. rgy. Trans	pts and measure forms of energ Transformation formation of nu	ement unit y. Transfo n of poter clear ene	s for energy and power. rmation of chemical ene ntial energy of water in rgy into internal energy	Primary forms of energy into internal energy into internal energy mechanical energy.	ergy. Transfor ergy. Transfor gy. Transforr	mation of mation of nation of	
4. Teach	ning methods:									
Lectures the exar take the	s, Mentoring a nination can b examination.	nd Consult e taken su If the stude	tations. Aud ccessively ent defends	ditory Practice. C through two tern s only 1 paper, h	Computing n papers. I e/she has	Practice. The knowledge In that case, if the studen to take the second part of	e is tested on the exa t defends both term of the syllabus during	amination. Alte papers, he/sh the examinat	ernatively, e doesn`t ion term.	
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Exercise	attendance			Yes	5.00	Theoretical part of the ex	am	Yes	60.00	
Lecture	attendance			Yes	5.00					
Term pa	iper			Yes	15.00					
	P			103	Litera	ature				
Ord.	A	uthor			Title		Publish	er	Year	
1,	Hrvoje Požar		Os	nove energetike	(Prvi svez	svezak) Školska knjiga Zagreb		1976		
2,	Mica Maric		Na sag	uka o toploti (ter gorevanje)	modinamil	nika, prenos toplote, Sad			2002	
3,	Hrvoje Požar		Os	nove energetike	(Drugi sve	ezak)	Školska knjiga Zag	reb	1976	



Table 5.2 Course specification

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course: Information technologies in energetic management Course id: ZC014 Number of ECTS: 7 Teacher: Krsmanović B. Cvijan Course status: Mandatory Number of active teaching classes (weekly) Lectures: Practical classes: Study research work: Other classes: Other teaching types: 2 0 2 0 0 Precondition courses None 1. Educational goal: Acquiring of fundamental knowledge in the field of applying of information technology means in energetic management. Introducing of students with modern software solutions purposed for mentioned field and representing of need skills for their application in energetic systems. 2. Educational outcomes (acquired knowledge): Listeners of the subject are preparing for fully understanding of importance and basic principles of information technologies applying in energetic management, for their competent participation in development processes for new, and selection processes for existent software solutions purposed to energetic systems management and their competent applications in engineering. 3. Course content/structure: Introduction. Contemporary information technologies and energetic management. Information systems dedicated to energetic systems management. Dedicated software tools, architectures and functions. Automation of energy requirements planning. Data structures about energy spending and energy expenditures. Integration of energy flows data and total energetic score. Computer aided monitoring and control of energetic sources in a system (functionality, capability, reliability, sustainability). Procedures and methods of monitoring and control in transfer and distribution of energy (key parameters, selection of measurement methods, waste analysis, reliability analysis). Monitoring and control of customers of energy resources (selection of key parameters, measurement principles, customer following in time, correctness analysis, data interpretation). Modeling of elements for system adjustment. Management decision making. Executing of managerial decisions. 4. Teaching methods: Teaching lectures are frontal type and it is recommended applying of modern didactic means. Teaching exercises are perform in specialized lab with correspondent hardware platform and software products for mentioned purposes. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Exercise attendance 5.00 Oral part of the exam Yes 50.00 Yes Lecture attendance 5.00 Yes 10.00 Presentation Yes Project 30.00 Yes Literature Ord. Author Title Publisher Year The Greening of IT: How Com-panies Can Make a 1, Lamb, J. P. Elsevier Book Company 2009 Difference for the Environment Finon, D., Midttun, A Reshaping European Gas and Electrical Industry 2005 2 Elsevier Book Company



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:												
Course	id:	1409			Psy	chology in Mana	agement					
Number	of ECTS:	5										
Teache	r:		Ratković-N	Jegovan M. Bil	jana							
Course	status:		Elective									
Number	of active teac	hing classe	es (weekly)									
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:			
	2	2	2	0		0		0				
Precond	dition courses											
1. Educational goal:												
Student	Students will be familiar with basic principles and techniques necessary when working with people, their own staff or business partners.											
2. Educ	2. Educational outcomes (acquired knowledge):											
After the partners a variet	After the completion of the course and passing the exam, students will be able to effectively communicate with coworkers and business partners, avoiding and resolving conflicts, self-motivation, motivating subordinates, and superiors, as well as recognizing and addressing a variety of psychological problems that can occur in human interaction while conducting their own business.											
3. Course content/structure:												
This couliteracy, staff."	urse will cover emotional lite	the follow racy, nego	ing topics: v tiation psych	erbal commun ology, psychol	ication, no	onverbal communication, ccess, power games, type	image creation, mo s of customers, team	tivational con ı work, "Comb	flicts and oustion of			
4. Teac	hing methods:											
Teachir Lecture	ig activity is or s and exercise	ganized th	rough the au mpanied by	ditory lectures a large numbe	and auditer of exam	tory exercises that further ples from practice.	r elaborate the solution	on of certain p	problems.			
				Knowledge e	evaluation	(maximum 100 points)						
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Exercise	e attendance			Yes	5.00	Written part of the exam	 tasks and theory 	Yes	60.00			
Lecture	attendance			Yes	5.00							
Term pa	aper			Yes	30.00							
					Liter	ature						
Ord.	A	uthor	Title Publisher				er	Year				
1,	Mandić Tijan	а	Komunikologija Clio, Beograd					2003				
2,	Maslov Abral	nam	Psihologija u menadžmentu Adizes, Novi Sad				2004					
3,	Čizmić Svetla	ana	Psihologija i menadžment Pilozofski rakultet, ihstitut za 199 psihologiju, Beograd				1995					
4,	Franceško, M	lirjana	Kako psiho	o unaprediti me plogija i menad	enadžmeni Žment	t u preduzeću :	Prometej, Novi Sad		2003			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:											
Course	id:	IM1906				Work motivati	on				
Number	of ECTS:	5									
Teacher	-		Grubić-Neši	ć S. Leposava	1						
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:		
	3	2	2	0		0		0			
Precond	lition courses		-	None							
1. Educa	ational goal:			-							
The goa motivati concept employe the plan	ne goal of this course is to introduce students to the problem of motivation of employees and opportunities for the development of the notivation of employees and opportunities for the development of the notivation of employees in organizations. Connecting to assess the effectiveness of motivating employee behavior is basically the oncept of building corpus motivation in the organization. Also operating system is the main driver of the value of the motivation of mployees' behavior. Students will, through practical tasks and exercises solved case studies in which the search for increasing mployee motivation and financial systems, particularly intangible incentives that can be used in a particular organization. The subject of ne planned training selfmotivating and learning principles of motivation in the development of the individual and the organization.										
2. Educa	ational outcom	es (acquire	ed knowledge	e):							
Student knowled	Students are expected to master the theoretical and practical approach to work motivation in the organization. On the basis of acquired knowledge and researched educational content, students will be able to look at incentives and social elements that influence them.										
3. Cours	se content/stru	cture:									
1. The p success Strategy Self-mo Manage	blace and role as the basis of material re tivation. 11. E erial motivation	e of motiva for develo ewards; 8. Evaluative n; 15. The	tion of empl pping work m Intangible re framework fo dedication a	oyees in the optivation; 4. Newards strategor the develop and commitme	organizati Methods c gies; 9. Ex oment of v ent.	on; 2. Theoretical appro of appraising; 5. Job sati- valuative framework for th work motivation; 12. Prol	aches to work motiv sfaction; 6. Motivation ne development of n plems in the system	vation; 3 Eva on for achiev notivation for n of remunera	uation of ement; 7. work; 10. ition; 14.		
4. Teach	ning methods:										
Teachin aim of tl	g is done inte heoretical app	ractively, v roaches ai	vith the activ	e participation approach and	of studer explain to	nts in the teaching proces students.	s. Increased numbe	er of exercises	s with the		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points		
Exercise	e attendance			Yes	5.00	Oral part of the exam		Yes	70.00		
Lecture	attendance			Yes	5.00						
Term paper Yes 20.00											
				Liter	ature	Detrict	1	N			
	A		I Math	inonia zonaci	l itle	I Itle Publisher		er	Year		
1, 2	Latham G	ubic-ivesiC,	IC,L. IVIOTIVISANJE ZAPOSIENIN (U PRIPREMI) FIN, NOVI Sad					2013			
<u>2</u> , 3.	Bruce.A.		How Motivate Every Employee Mc Gaw-Hill 2				2003				
4,	Sansone,C. I	Harackiewi	cz, R. Intrin	sic and Extrins	sic Motivat	tion	Academic Press		2005		
				. Intrinsic and Extrinsic Motivation Academic Press 2005							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:											
Course id: E145			(Operations Res	earch						
Number of ECTS: 7											
Teacher: P	antović B.	Jovanka									
Course status: N	andatory										
Number of active teaching classes	(weekly)										
Lectures: Practical cla	asses:	Other teachi	ng types:	Study rese	arch work:	Other cla	sses:				
3 3		0		0		0					
Precondition courses		None									
1. Educational goal:		-									
The main objective is to develop the solving and introduction to the poss	e ability for ibilities of t	setting the m	athematic: on in engin	s models of realistic prob eering problems.	lems, introduction to	some method	ls of their				
2. Educational outcomes (acquired	knowledge	e):									
Theoretical knowledge in the field of their solving.	f the state	d course conte	ents. Skills	in setting the mathemat	ics models and know	ledge of algo	rithms for				
3. Course content/structure:											
Linear programming. Simplex algorithm. Simplex algorithm efficiency. The theory of duality. Sensitivity analysis to parameter change. Integer programming. "Branch and bound" method. Networks. Covering trees. Problems of network traffic. Application: transportation problem, the problem of the shortest path in the network, the problem of maximum flow. Game theory. Matrix games. Topics of student's choice.											
4. Teaching methods:	4. Teaching methods:										
In the lectures theoretical part of the which accompanies lectures, typi practice, consultations are held or written and oral part of the examina- of the examination.	e course is cal probler a regular tion. Cours	followed by ty ms are solved basis. The k se grade is for	vpical exar d and the nowledge med base	nples in order to better u knowledge taught in lea testing is written and o d on the success in the to	nderstand the matter ctures is deepened. ral through the term erm paper, colloquiu	taught. In the Besides lect paper, 3 coll m, written and	practice, ures and oquiums, oral part				
		Knowledge e	evaluation	(maximum 100 points)							
Pre-examination obligatio	าร	Mandatory	Points	Final ex	xam	Mandatory	Points				
Homework		Yes	5.00	Theoretical part of the ex	am	Yes	10.00				
Homework		Yes	5.00	Practical part of the examination	n - tasks	Yes	20.00				
Term paper		Yes	20.00								
Test		Yes	10.00								
Test	Test Ves 10.00										
Test		Yes									
			Litera	ature							
Ord. Author	Title Publisher				er	Year					
1, Robert Vanderbei	Linear Programming: Foundations and Extensions Princeton University, USA				v USA	2006					
2. Petrić, J., Kojić, Z., Šarena						j , c	2000				
, L.,	^{IC,} Zbirka	a zadataka iz	operacioni	h istraživanja	Nauka, Beograd	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2008				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:											
Course id	d:	E133				Power Conver	ters				
Number of	of ECTS:	7									
Teachers	8:		Marčetić	P. Darko, Vasić V	V. Veran						
Course st	tatus:		Mandato	ry							
Number of	of active teac	hing classe	es (weekly	()							
Leo	ctures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:		
	3		1	2		0		0			
Precondit	tion courses			None		·					
1. Educat	tional goal:			-							
Acquiring electrical	g the basic k I drives.	nowledge	in the fiel	d of electromech	nanical en	ergy conversion, electric	c machines, power e	electronic dev	vices and		
2. Educat	tional outcom	es (acquire	ed knowle	dge):							
 understa understa understa understa understa understa 	 - understanding the basic principles of electromechanical conversion of energy - understanding the basic features and ways of operation of rotating machines - understanding the basic features and ways of operation of static electric machines – transformers - understanding the basic features and ways of operation of the power electronic devices and their application - understanding the basic features and ways of operation of the power electronic devices and their application 										
3. Course	e content/stru	cture:									
The basic machines transform	c principles o s. Tesla's rot ners. Other e	f electrome ating field. lectric mad	echanical e Asynchro chines. Lit	energy conversio phous machines. ttle and micro-mo	n. Power I Synchror otors. Pow	balance of electric machir nous machines. Direct cu /er electronic devices. Fι	nes. Types of rotating rrent machines. Stat Indamentals of electi	machines. A ic electric ma rical drives.	lternating achines –		
4. Teachi	ing methods:										
A course In order students	is taught thro to fully mast to independ	ough lectur er the cou ently solve	res and pra rse matte e problem	actice. In lectures r, students solve is from the engir	s, modern e problem neering pr	illustrations for intuitive u s in auditory practice, w actice. A part of the pra	nderstanding of the ta hich accompanies le ctice is carried out ir	aught matter ectures, thus n the laborat	are used. enabling ory.		
				Knowledge e	evaluation	(maximum 100 points)		-			
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Complex	exercises			Yes	20.00	Written part of the exam	 tasks and theory 	Yes	30.00		
Exercise	attendance			Yes	5.00	Coloquium exam		Yes	20.00		
Lecture attendance			Yes	5.00	Coloquium exam		Yes	20.00			
	Literatur			ature							
Ord.	A	uthor	.,		Title	Title Publisher		Year			
1,	Emil Levi, Vla Vladimir Stre	adan Vučko zoski	OVIĆ, OS	snovi Elektroenei	getike	STYLOS, Novi Sad 200			2004		
2,	A. E. Fitzgera Kingsly	ald, Charle	s El	ektrične mašine			Naučna knjiga, Beo	ograd	1962		


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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:												
Course	id:	M3494				Energy efficie	ncy					
Number	of ECTS:	7										
Teache	rs:		Petrović	R. Jovan, Gvoz	denac D. D	ušan						
Course	status:		Mandato	ry								
Number	of active teac	hing classe	es (weekly	')								
L	ectures:	Practical	classes:	Other teac	ning types:	Study rese	arch work:	Other cla	isses:			
	3	3	3	()	C		1				
Precond	lition courses		-	None			-					
1. Educ	ational goal:			-								
Growing broader is to use cover e	g importance of and different a e of technolog nergy efficiend	of energy a approach te lical impro- cy as a sol	as a majo b tackle th vements i urce for re	or economy fac le problem. One n energy syste eduction of ene	or and its of the most ms and de rgy consur	large negative impact or st successful measures in velopment of new energy nption and the emission	the environment have reducing the consurt of the consurt of the consurt of the harmful gassed of the harmful g	as set a dem nption of prim lures. This su es.	and for a al energy ıbject will			
2. Educ	ational outcom	es (acquire	ed knowle	dge):								
Energy by ener status o the com accomp non tecl	efficiency sho gy system wit f the services aplexity of the lish consistent nnical aspects	uld be con h the purp and making problem and perm of energy	sidered as ose of inp g a profit i vhich deri anent imp efficiency.	s a set of organ out energy redu n the production ives from the h rovements in er	izational ac ction, harm n process in uman nee nergy efficie	ctivities which are implem iful gasses emission and n the defined system. Fro d for connection, proced ency. This subject will acc	ented inside of defin energy expenditure m the sole definition ures and technolog uaint the students w	ed boundarie s, with the ur one can get a ies. We must ith all the tech	s defined inchanged sense of strive to inical and			
3. Cours	se content/stru	cture:										
Importa Energy (boiler p and bui efficien manage incentiv	nce of energy indicators and plants; steam a ldings (buildin cy improveme ment: team et e in argument	managem energy pro and/or hot ogs charac ent of appl ffort and va for rationa	ent and ra oduction a water distr teristics p iances; w alue of hie il energy o	ational usage o nd consumptior ributive pipe ne profile, HVAC s vaste heat usa erarchically valu consumption).	f energy; [n profiles; E twork and ystems; el ge; recupe ed tasks a	Defining of energy flows; inergy consumption monit end users; cooling and co ectrical consumers). Ene- tration; heat energy acc nd activities; motivation a	Relations between e oring. Energy efficien ompressed air system ergy savings measu umulation) and on and awareness of en	energy and pr ncy analysis ir ms; electrical res: technica ganizational nployees; initi	roduction; n industry systems) l (energy (energy ation and			
4. Teac	ning methods:											
Lecture	s and exercise	s. Consulta	ation. Test	is done in writt	en form an	d is a mixture of theoretica	al questions and num	erical problen	ns.			
				Knowledge	evaluation	(maximum 100 points)						
	Pre-examina	ition obliga	tions	Mandator	/ Points	Final e	xam	Mandatory	Points			
Exercise	e attendance			Yes	5.00	Written part of the exam	 tasks and theory 	Yes	70.00			
Lecture	attendance		Yes 5.00									
Term pa	aper		Yes 20.00									
Out	•				Lite		Dublish					
Ora.	A Gvozdenac I	uunor D Gvozde	nac-		1116	5	Publish	31	rear			
1,	Urošević, B.,	Morvaj, Z.	Er	nergetska efikas	nost	d English and a l	FTN Izdavaštvo, N	ovi Sad	2012			
2,	Morvay Z., G	vozdenac l	D. Ap Ma	opiled industrial anagement	Energy an		press	- IEEE	2008			
3,	Eastop T.D.,	Croft D.R.	Er	Energy Efficiency (for Engineers and Technologists)								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course											
Course	id:	ZOI31A]			Thermal power p	olants				
Number	r of ECTS:	7									
Teache	rs:		Grković R	. Vojin, Spasojev	vić Đ. Mor	nčilo					
Course	status:		Elective								
Number	r of active teac	hing classe	es (weekly))							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	3	:	2	0		0		1			
Precon	dition courses	-	-	None							
1. Educ	ational goal:										
Building basic e	g student's cap ngineering.	pability for	design, op	peration, engine	ering, and	d consulting in the field o	f thermal energy equ	uipment at th	e level of		
2. Educ	ational outcom	nes (acquir	ed knowled	lge):							
Basic k equipm TEE.	nowledge on p ent, as well as	orocesses on energy	in Thermal y and mass	Energy Equipm s balance in TEE	ent (TEE) and TEE) and appropriate proces E,s impact on the environ	s calculations. Detail ment. Basic knowled	ed knowledg Ige on mainte	e on TEE enance of		
3. Cours	se content/stru	icture:									
Genera descrip energy waste, turbines TEE wit TEE in	I presentation tion, analytical (in turbo-gene with fixed bed and combine th steam turbin the environme	n of Thern l and graph erators), th , fluidized ed gas and nes, gas tu nt. Mainter	nal Energy nical interpo ermodynar bed and fl steam turk rbines and nance and	 Y Equipment (TI retation of: combined mic cycles (Clau ying particle corbines), generato combined gas a remaining life est 	EE) with oustion, h usius-Ran mbustion) irs of elec nd steam stimate for	examples of different ty eat transfer, transformati kine, Joule). Equipment , turbines (steam turbine tricity current, all auxiliar turbines. Environmental TEE components.	vpes of existing TEI on of enthalpy in me of TEE: boilers (for s for fossil and nucl y equipment. Energy aspects of TEE, loca	E. Processe chanical and fossil fueled, ear power pl and mass b and global i	s in TEE, electrical biomass, ants, gas balance in mpacts of		
4. Teac	hing methods:										
Followir	ng methods are	e applied: \	verbal meth	nod, visual metho	od, practic	al method.					
				Knowledge e	evaluation	(maximum 100 points)		-			
	Pre-examina	ation obliga	itions	Mandatory	Points	Final e	xam	Mandatory	Points		
Exercis	e attendance		Yes 5.00 Written part of the exam - tasks and theory Yes 70.00						70.00		
Graphic	paper		Yes 20.00								
Lecture	allendance										
Ord			Titlo Dublicher Voor					Maa			
Ord.	A	uthor	Fakultet tehničkih pauka Novi					rear			
1,	Grković Vojir	ו	Tei	rmoenergetska p	ostrojenja	a 1 – procesi i oprema	Sad		2010		
2,	Singer J.G. (Ed.)	Co	Combustion Fossil Power Systems >eng>Combustion Eng. Inc. 1981							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course id: Z306A Process Engineering Number of ECTS: 7 Durić N. Slavko, Petrović R. Jovan, Spasojević D. Momčilo Course status: Elective Number of active teaching classes (weekly) Elective Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 2 0 0 1 Precondition courses None Itelation al goal: Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2. Educational outcomes (acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. Draces of dimensional analysis in Environmental Engineering. The definition and interpretation which are of interest for Environmental Engineering. The definition and repressing concepts and definitions in process operations of interest for Environmental Engineering. The Models of diffusion separation. Mechanical processing operations of interest for Environmental Engineering. The Models of diffusion separation of interest for Environmental Engineering. The assessment of plants and the environmental Engineering. The assessment of plants and the environmental Engineering. The envinonmental Engineering. The Models of envinvision separation of i	Course:									
Number of ECTS: 7 Teachers: Durić N. Slavko, Petrović R. Jovan, Spasojević D. Mončilo Course status: Elective Number of active teaching classes: Other teaching types: Study research work: Other classes: 3 2 0 0 1 Precondition courses None 1 Educational goal: Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2. Educational outcomes (acquired knowledge): A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. The concept of mixture. Ways of defining and expressing or interest for Environmental Engineering. The concept of mixture, type of mixture. Ways of technique and deriversion process operations privision of operations. Mechanical processing of dependency balance. Transfer equations. Review and description of process operation of interest for Environmental Engineering. The more operations of dependency balance. Transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environment. 4. Teaching methods: Course at ababis for PI. The concept of equilibrium and transport	Course id:		Z306A				Process Engine	ering		
Teachers: Durić N. Slavko, Petrović R. Jovan, Spasojević Đ. Momčilo Course status: Elective Number of active teaching classes: Other teaching types: Study research work: Other classes: 3 2 0 0 1 Precondition courses None 1 1 1. Educational goal: Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2. Educational outcomes (acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering. The concept of mixture, Ways of defining and expressing oncentrations. Balance equations (knowledge): Examples of dependency balance. Transfer equations, Knewample of dimensional analysis in Environmental Engineering. Thermo process operations of interest for Environmental Engineering. Neotes for expression of intermediate exchange on the contact elements. Model of cleal (equivalent) degree. Models of diffusion separation. Diffusion process operation of numerical techniques and computers in the PI. The assessment of plants and the environmental Engineering. The accempt of equilibrium and transport phants and the environmental Engineering. Start Medels of cleal (equivalent) degree. Models of diffusion separation. Diffusion process operation of interest for Environmental Engineering. The concept of equilibrium and transport phenomena in environmental sengineering. Thermo proce	Number of EC	CTS:	7							
Course status: Elective Number of active teaching classes (weekly) Interview of active teaching classes: Other classes: 3 2 0 0 1 Precondition courses None 1 1 Precondition courses None 1 1 1. Educational goal: Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2. Educational outcomes (acquired knowledge): A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing concentrations. Balance equations (conservation principles). Examples of dependency balance. Transfer equations. Review and description of process operations of interest for Environmental Engineering. Division of operations. Mechanical processing operations of interest for Environmental Engineering. Pher concellons PT. Meddels for expression of interrest for Environmental Engineering. Pher concellons PT. Meddels for expression of interrest for Environmental Engineering. The concellons PT. The concel of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the P1. The assessment of plants and the environmental. 4	Teachers:			Đurić N. S	Slavko, Petrović I	R. Jovan,	Spasojević Đ. Momčilo			
Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 2 0 0 1 Precondition courses None 1 Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2. 2. Educational outcomes (acquired knowledge): A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. Basic concepts and definitions in process engineering (P). Fundamentals of dimensional analysis, Pi theorem, example of dimensional analysis in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing concentrations. Balance equations (consentations PT. Models for expression of interreditate exchange on the contact elements. Model of ideal (equivalent) degree. Models of diffusion spearation. Diffusion process operation of interrest for Environmental Engineering. The The concept of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environment. 4. Teaching methods: Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical parter	Course status	6:		Elective						
Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 2 0 0 1 Precondition courses None 1 Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2. Educational outcomes (acquired knowledge): A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition in process technique and the role of process technique and process engineering in Environmental Engineering. The concept of mixture, Ways of defining and expressing concepts and definitions in process operations. Nich analysis in Environmental Engineering. Thermo process operations PT. Models for expression of interrest for Environmental Engineering. Division of Operations. Mechanical processing operations of interest for Environmental Engineering. Division of process perations of interest for Environmental Engineering. Thermodynamics mixtures as a basis for PI. The concept of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environment. 4. Teaching methods: Classes: calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. During exercise, that accompanied by characteristic examples, for the purpose of bette	Number of ac	tive teacl	hing classe	es (weekly)					
3 2 0 0 1 Precondition courses None 1 Educational goal: I. Educational goal: Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2 2. Educational outcomes (acquired knowledge): A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structre: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. Basic concepts and definitions in process engineering (PI). Fundamentals of dimensional analysis, PI theorem, example of dimensional analysis in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing oncentrations. Balance equations (conservation principles). Examples of dependency balance. Transfer equations. Review and description of process operations PV indevision separation. Diffusion process operations PV indevision of process or proteins PV. Models for expression of interrest or Environmental Engineering. Thermo process operations for PV. Models for expression of interest or Environmental Engineering. Thermodynamics mixtures as a basis for PV. The concept of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environmental Engineering through lectures, typical tasks and practical examples are done. In addition to lectures and exercises, colloquiums, seminars and consultations. Lectures concerned with theoretical part of the teaching material are	Lecture	es:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
Precondition courses None 1. Educational goal: Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2. Educational outcomes (acquired knowledge): A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing or interest or Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing or interest for Environmental Engineering. Theremore, scamples of dependency balance. Transfer equations. Review and description of process operations which are of interest for Environmental Engineering. Thermo process operations Drivision of Operations. Mechanical processing on interest or Environmental Engineering. Thermo process operation Diffusion process operation of interest for Environmental Engineering. Thermo process operation Diffusion process operation of interest for Environmental Engineering. Thermo process operations Diffusion process operation of interest for Environmental Engineering. Thermo process operations Diffusion process operations of the environmental Engineering. Thermo process operations of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the P1. The assessment of plants and the environmental Engineering. Thylical tasks and practical examples are done. In addition to lectures and exercises, consultations are regulary held. A student must meet the prerequisities in order to take the exam.	3		2	2	0		0		1	
1. Educational goal: Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2. Educational outcomes (acquired knowledge): A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. The concept of mixture. Ways of definiting and expressing concentrations. Balance equations (conservation principles). Examples of dimensional analysis in Environmental Engineering. The concept of mixture. Ways of definiting and expressing operations which are of interest for Environmental Engineering. Division of Operations. Mechanical process operations interest for Environmental Engineering. Thermo process operations. Diffusion process operation of interest for Environmental Engineering. Thermo process operations Diffusion process operation of interest for Environmental Engineering. Thermo process operations in the PI. The assessment of plants and the environment. 4. Teaching methods: Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. Diriguize exreises, that accompany lectures, typical tasks and practical examples are done. In addition to lectures and excreises, consultations are regularly held. A student must meet the prerequisites in order to take the exam. Vere Exercise attendanc	Precondition of	courses			None			•		
Enabling students to acquire theoretical and practical knowledge (through a series of computational examples) in process engineering. 2. Educational outcomes (acquired knowledge): A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing concentrations. Balance equations (conservation principles). Examples of dependency balance. Transfer equations. Mechanical processing operations of interest for Environmental Engineering. Thermo process operations PT. Models for expression of interest process operations of interest for Environmental Engineering. Thermo process operations perfusion process operation of numerical techniques and computers in the PI. The assessment of plants and the environment. 4. Teaching methods: Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. Druing exercises, that accompany lectures, typical tasks and practical examples are done. In addition to lectures and exercises, consultations are regularly held. A student must meet the prerequisites in order to take the exam. Vere examination obligations Mandatory Points Fre-examination obligations Mandatory Points Fue-examination obli	1. Educationa	al goal:								
2. Educational outcomes (acquired knowledge): A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering, Basic concepts and definitions in process engineering (PI). Fundamentals of dimensional analysis, PI theorem, example of dimensional analysis in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing concentrations. Balance equations (conservation principles). Examples of dependency balance. Transfer equations. Review and description of process operations which are of interest for Environmental Engineering. Division of Operations. Mechanical processing operations of interest for Environmental Engineering. Thermodynamics mixtures as basis for PI. The concept of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environment. 4. Teaching methods: Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. During exercises, that accompany lectures, typical tasks and practical examples are done. In addition to lectures and exercises, consultations are regulary held. A student must meet the prerequisites in order to take the exam. Free-examination obligations Mandatory Points Free-	Enabling stud	lents to a	cquire the	oretical an	d practical knowl	edge (thro	ough a series of computation	ional examples) in pr	ocess engine	ering.
A student should use the acquired knowledge in further studies and other complementary areas, effectively solving various practical problems. 3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering, Basic concepts and definitions in process engineering (PI). Fundamentals of dimensional analysis, PI theorem, example of dimensional analysis in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing concentrations. Balance equations (conservation principles). Examples of dependency balance. Transfer equations. Review and description of process operations which are of interest for Environmental Engineering. Thermo process operations which are of interest for Environmental Engineering. Thermo process operations which are of interest for Environmental Engineering. Thermo process operations which are of interest for Environmental Engineering. Thermo process operations which are of interest for Environmental Engineering. Thermodynamics mixtures as a basis for PI. The concept of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environment. 4. Teaching methods: Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. During exercises, that accompany lectures, typical tasks and practical examples are done. In addition to lectures and exercises, consultations are regularly held. A student must meet the prerequisites in order to take the exam. Fre -examination obligations Mandatory Points Free examination obligations Mandatory Points Free examinatio	2. Educationa	al outcom	es (acquire	ed knowled	dge):					
3. Course content/structure: The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. Basic concepts and definitions in process engineering (PI). Fundamentals of dimensional analysis, Pi theorem, example of dimensional analysis in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing concentrations. Balance equations (conservation principles). Examples of dependency balance. Transfer equations. Review and description of process operations which are of interest for Environmental Engineering. Division of Operations. Mechanical processing operations of interest for Environmental Engineering. Thermo process operations PT. Models for expression of interest for Environmental Engineering. Thermodynamics mixtures as a basis for PI. The concept of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environment. 4. Teaching methods: Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. During exercises, that accompany lectures, typical tasks and practical examples are done. In addition to lectures and exercises, consultations are regularly held. A student must meet the prerequisites in order to take the exam. Vene-examination obligations Mandatory Points Fore-examination obligations Mandatory Points Final exam Mandatory	A student sho problems.	ould use	the acqui	red knowle	edge in further s	tudies an	d other complementary a	areas, effectively so	lving various	practical
The definition and interpretation of process technique and the role of process technique and process engineering in Environmental Engineering. Basic concepts and definitions in process engineering (PI). Fundamentals of dimensional analysis, Pi theorem, example of dimensional analysis in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing oncentrations. Balance equations (conservation principles). Examples of dependency balance. Transfer equations. Review and description of process operations (conservation principles). Examples of dependency balance. Transfer equations. Review and description of process operations of interest for Environmental Engineering. Thermo process operations PT. Models for expression of intermediate exchange on the contact elements. Model of ideal (equivalent) degree. Models of diffusion separation. Diffusion process operation of interest for Environmental Engineering. Thermodynamics mixtures as a basis for PI. The concept of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environment. 4. Teaching methods: Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. During exercises, that accompany lectures, typical tasks and practical examples are done. In addition to lectures and exercises, consultations are regularly held. A student must meet the prerequisites in order to take the exam. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Knowledge Yes 5.00 Viriten part of the exam Mandatory Yes 40.00 10 10 10 10 10 10 10 10	3. Course con	ntent/stru	cture:							
4. Teaching methods: Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. During exercises, that accompany lectures, typical tasks and practical examples are done. In addition to lectures and exercises, consultations are regularly held. A student must meet the prerequisites in order to take the exam. <u>Knowledge evaluation (maximum 100 points)</u> <u>Pre-examination obligations</u> <u>Mandatory</u> <u>Points</u> <u>Exercise attendance</u> <u>Yes</u> <u>5.00</u> Written part of the exam - tasks and theory <u>Yes</u> <u>40.00</u> Lecture attendance <u>Yes</u> <u>5.00</u> Coloquium exam <u>No</u> <u>20.00</u> <u>Test</u> <u>Yes</u> <u>10.00</u> Coloquium exam <u>No</u> <u>20.00</u> <u>Test</u> <u>Yes</u> <u>10.00</u> Oral part of the exam <u>Yes</u> <u>30.00</u> <u>Literature</u> <u>Ord.</u> <u>Author</u> <u>Problemi iz termodinamike višekomponentnih sistema</u> <u>Mašinski fakultet, Beograd</u> <u>1991</u>	Engineering. dimensional concentratior description of operations of the contact e Environmenta multicompon environment.	Engineering. Basic concepts and definitions in process engineering (PI). Fundamentals of dimensional analysis, Pi theorem, example of dimensional analysis in Environmental Engineering. The concept of mixture, type of mixture. Ways of defining and expressing concentrations. Balance equations (conservation principles). Examples of dependency balance. Transfer equations. Review and description of process operations which are of interest for Environmental Engineering. Division of Operations. Mechanical processing operations of interest for Environmental Engineering. Thermo process operations PT. Models for expression of intermediate exchange on the contact elements. Model of ideal (equivalent) degree. Models of diffusion separation. Diffusion process operation of interest for Environmental Engineering. Thermodynamics mixtures as a basis for PI. The concept of equilibrium and transport phenomena in multicomponent systems. The application of numerical techniques and computers in the PI. The assessment of plants and the environment								
Classes are taught through lectures, calculation exercises, colloquiums, seminars and consultations. Lectures, concerned with theoretical part of the teaching material are accompanied by characteristic examples, for the purpose of better understanding of the exposed material. During exercises, that accompany lectures, typical tasks and practical examples are done. In addition to lectures and exercises, consultations are regularly held. A student must meet the prerequisites in order to take the exam. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Exercise attendance Yes 5.00 Written part of the exam - tasks and theory Yes 40.00 Lecture attendance Yes 5.00 Coloquium exam No 20.00 Test Yes 10.00 Orda part of the exam Yes 30.00 Cord. Author Title Publisher Year 1, D.Voronjec, M.Kuburović Problemi iz termodinamike višekomponentnih sistema Mašinski fakultet, Beograd 1991	4. Teaching m	nethods:								
Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Exercise attendance Yes 5.00 Written part of the exam - tasks and theory Yes 40.00 Lecture attendance Yes 5.00 Coloquium exam No 20.00 Test Yes 10.00 Coloquium exam No 20.00 Test Yes 10.00 Oral part of the exam Yes 30.00 Literature Ord. Author Title Publisher Year 1, D.Voronjec, M.Kuburović Problemi iz termodinamike višekomponentnih sistema Mašinski fakultet, Beograd 1991	Classes are ta part of the te material. Duri consultations	aught thr aching r ing exerc are regu	ough lectu naterial ar ises, that a larly held.	res, calcul e accomp accompany A student	lation exercises, banied by charac y lectures, typica must meet the p	colloquiun cteristic e I tasks an rerequisite	ns, seminars and consulta xamples, for the purpos d practical examples are es in order to take the exa	ations. Lectures, con e of better understa done. In addition to I am.	cerned with th nding of the ectures and e	neoretical exposed exercises,
Pre-examination obligations Mandatory Points Final exam Mandatory Points Exercise attendance Yes 5.00 Written part of the exam - tasks and theory Yes 40.00 Lecture attendance Yes 5.00 Coloquium exam No 20.00 Test Yes 10.00 Coloquium exam No 20.00 Test Yes 10.00 Oral part of the exam Yes 30.00 Literature Ord. Author Title Publisher Year 1, D.Voronjec, M.Kuburović Problemi iz termodinamike višekomponentnih sistema Mašinski fakultet, Beograd 1991					Knowledge e	evaluation	(maximum 100 points)			
Exercise attendance Yes 5.00 Written part of the exam - tasks and theory Yes 40.00 Lecture attendance Yes 5.00 Coloquium exam No 20.00 Test Yes 10.00 Coloquium exam No 20.00 Test Yes 10.00 Oral part of the exam Yes 30.00 Cord. Author Title Publisher Year 1, D.Voronjec, M.Kuburović Problemi iz termodinamike višekomponentnih sistema Mašinski fakultet, Beograd 1991	Pre-	-examina	tion obliga	tions	Mandatory	Points	Final e>	am	Mandatory	Points
Lecture attendance Yes 5.00 Coloquium exam No 20.00 Test Yes 10.00 Coloquium exam No 20.00 Test Yes 10.00 Oral part of the exam Yes 30.00 Literature Ord. Author Title Publisher Year 1, D.Voronjec, M.Kuburović Problemi iz termodinamike višekomponentnih sistema Mašinski fakultet, Beograd 1991	Exercise atter	ndance			Yes	5.00	Written part of the exam	- tasks and theory	Yes	40.00
Yes 10.00 Coloquium exam No 20.00 Test Yes 10.00 Oral part of the exam Yes 30.00 Literature Ord. Author Title Publisher Year 1, D.Voronjec, M.Kuburović Problemi iz termodinamike višekomponentnih sistema Mašinski fakultet, Beograd 1991	Lecture attend	dance			Yes	5.00	Coloquium exam		No	20.00
Ord. Author Title Publisher Year 1, D.Voronjec, M.Kuburović Problemi iz termodinamike višekomponentnih sistema Mašinski fakultet, Beograd 1991	Test			Yes 10.00 Coloquium exam No 20.0						20.00
Ord. Author Title Publisher Year 1, D.Voronjec, M.Kuburović Problemi iz termodinamike višekomponentnih sistema Mašinski fakultet, Beograd 1991	1001			Yes 10.00 Oral part of the exam Yes 30.				30.00		
1, D.Voronjec, M.Kuburović Problemi iz termodinamike višekomponentnih sistema Mašinski fakultet, Beograd 1991	Ord	Δ	uthor	Title Publisher Yea					Year	
	1, D.Vc	pronjec, N	л.Kuburovi	ć Pr	oblemi iz termodi	namike vi	šekomponentnih sistema	Mašinski fakultet, B	eograd	1991
2. Milan Dimić Procesno inženierstvo FTN Novi Sad 2005	2 Milar	n Dimić		Pr	ocesno inženiers	tvo		FTN, Novi Sad	-	2005
3, D. Đaković, M. Kljajić Zbirka zadataka iz Procesnog inženjerstva FTN, Novi Sad 2005	3, D.Đ	aković, N	I. Kljajić	Zb	pirka zadataka iz	Procesno	g inženjerstva	FTN, Novi Sad		2005



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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

Clean Energy Technologies

Course:										
Course id:	Z311		F	Proces	ss Systems and	Equipment				
Number of E	ECTS: 7									
Teachers:		Đurić N	. Slavko, Spasojev	ić Đ. Mon	ıčilo					
Course statu	us:	Elective	•							
Number of a	ctive teaching cl	asses (week	ly)							
Lectu	res: Prac	tical classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
3		3	0		0		0			
Precondition	n courses		None		-					
1. Education	nal goal:									
The aim of engineering	the course "Pro , designing, de	ocess syster signing pipe	ms and equipmer elines and proces	nt" is to ir s system	ntroduce students to the s.	eoretical foundation	s of process	systems		
2. Education	nal outcomes (ac	quired knowl	edge):							
Knowledge i	is gained through	through commitments such as lectures, exercises and colloquiums, application of knowledge in engineering practice.								
3. Course co	ontent/structure:									
The concep system), Ba pipelines (co design, grap	ot of system and asic concepts of oncept of piping oh theory and the	l system fea design (con and piping ty eir applicatio	tures (the concep cept and design o /pes , structural pi n in designing pro	t of syste of projects pe materi cess syst	em, technical systems, q s, project types, project t als, pipe marking, calcula ems.	ualitative and quant feasibility studies, op ation of pipelines, pra	itative analy ptimization o actical rules f	sis of the f design), or piping		
4. Teaching	methods:									
Lectures: Di	alogue method,	with laptops a	and video link. Exe	ercises: Ca	alculation exercises, using	laptops and video li	nk			
			Knowledge e	evaluation	(maximum 100 points)					
Pre	e-examination of	oligations	Mandatory	Points	Final ex	kam	Mandatory	Points		
Exercise atte	endance		Yes	5.00	Written part of the exam	 tasks and theory 	Yes	70.00		
Lecture atte	ndance	idance Yes 5.00								
Test			Yes	10.00						
Test			Yes	10.00						
				Liter	ature	l				
Ord.	Author			Title	9	Publishe	er	Year		
1, Ba	šić Djordje	F	1, Bašić Djordje Procesni sistemi i postrojenja Fakultet tehničkih nauka , Novi Sad 2005							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course: Fundamentals of Heat Transfer Course id: M215 Number of ECTS: 7 Teacher: Dragutinović D. Gordan Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 2 0 0 1 Precondition courses None 1. Educational goal: Introduction to the classical reviews of the basic phenomena of heat transfer, and introduction to the methods of heat transfer problem solutions in technical practice. 2. Educational outcomes (acquired knowledge): Acquisition of basic knowledge for heat transfer assessment, selection and check of the heat exchangers. 3. Course content/structure: 1) Heat conduction, 2) Heat convection, 3) Heat radiation, 4) Heat transfer with the change of phases (boiling and condensation). 4. Teaching methods: Lectures and Auditory Practice. Auditory practice accompanies lectures and includes high level of student independency in solving problems Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Mandatory Final exam Points 5.00 Written part of the exam - tasks and theory Exercise attendance Yes 70.00 Yes Lecture attendance 5 00 Yes Test 20.00 Yes Literature Ord. Author Title Publisher Year D. Milinčić 1989 1, Prostiranje toplote Naučna knjiga, Beograd Nauka o toploti - termodinamika, prenos toplote, Univerzitet u Novom Sadu, 2. M. Marić 2006 Fakultet tehničkih nauka sagorevanie Đ. Kozić, B. Vasiljević, V. 3. Građevinska knjiga, Beograd 1983 Priručnik za termodinamiku i prostiranje toplote Bekavac 4. F. Incropera, D. DeWitt Fundamentals of Heat and Mass Transfer John Wiley & Sons, Inc 1985 Shaum"s Outline Series, 5. D. Pits, L. Sissom Theory and Problems of Heat Transfer 1998 McGrow-Hill J. Lienhardd IV, J. Lienhardd 2002 6. A Heat Transfer Textbook D. Milinčić, B. Vasiljević, R. 7, Problemi iz prostiranja toplote Građevinska knjiga, Beograd 1983 Đorđević



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



Other classes:

0

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.2 Course specification Course: Modeling and Simulation in Energy Systems Course id: ZC023 Number of ECTS: 6 Teacher: Nakomčić-Smaragdakis B. Branka Course status: Mandatory Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: 2 1 1 0 Precondition courses None 1. Educational goal: Acquiring knowledge and preparing students for further implementation and practical work in the field of mathematical modeling, in the domain of thermal process systems and environmental protection. 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in the process of further education. During vocational courses, and future engineering practice, students will use techniques of mathematical modeling in the domain of thermo process systems and environmental protection. 3. Course content/structure: General systems theory (development, structure and types of systems, system and environment, characteristics of the system, the principles of the system access). The tasks of analysis and synthesis of thermo process systems - TPS (TPS elements and relationships, the interaction between TPS and the environment, Classification and properties of TPS, the TPS- hierarchy). TPS efficiency criteria, limitations in the design and operation of TPS. Methods of analysis and synthesis of TPS, (flow-block scheme for solving tasks, coping physical into mathematical model-MM, the way of MM records, the objective function, equation relationship, system constraints, the optimal parameters). Mathematical models TPS (MM classification, block graphs and models, schematic, and the parameter matrix display). Mathematical models (record, steady and unsettled state of the system, the degrees number of system freedom, determining the number of parameters of TPS, methods for preparation of MM (static and dynamic models). Theoretical methods for preparation of MM (application ZOM, ZOE and ZOKK). Block diagrams of methods and methods of information variables. Experimental methods of preparation MM (active, passive, adaptation and combined). Adequacy of mathematical models (distributed and concentrated parameters). Examples of mathematical models and simulations of TPS (processes I and II). 4. Teaching methods: Lectures, exercises, consultations. A chapter from the teaching material may be taken in the form of two colloquiums. Each colloquium consists of an oral part and tasks which must be done in writing during the semester. The complete teaching material can be taken in a written and oral form during the exam period The exam grade is based on the full student's engagement during the semester, the results of colloquiums and / or examination. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Exercise attendance 5.00 Written part of the exam - tasks and theory Yes Lecture attendance 5.00 Yes 10.00 Test Yes Test 10.00 Yes Literature Ord Title Publisher Author B. Nakomčić-Smaragdakis 1 Modelovanje i simulacija energetskih sistema-skripta Interno izdanje FTN Tehnološko-metalurški fakultet, 2, J. Stevanović Modelovanje i simulacija procesa Beograd 3, Đ. Bašić Modelovanje i simulacija sistema-skripta Interno izdanje FTN Universitet u Novom Sadu, Dragutinović G., Bašić Đ. 4. Termoprocesni sistemi-Analiza FTN, Novi Sad 5, Stoecker, W.F Design of Thermal Systems, 3rd edition McGraw-Hill Bejan A., Tsatsaronis G., 6. John Wiley & Sons, NY Thermal design and optimization Moran M.J Himmelblau D.M., Bischoff Process analysis and simulation: deterministic 7, John Wiley & Sons, NY KB systems

Points

70.00

Year

2011

1995

1995

1999

1989

1996

1968

Yes



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:	burse:									
Course	id:	EEI302		Systems of	of Auto	omatic Control ir	n Power Engi	neering		
Number	of ECTS:	7								
Teache	r:		Kulić J. Fi	lip						
Course	status:		Mandatory	y						
Number	of active teac	hing classe	es (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	sses:	
	3	3	3	0		0		0		
Precond	lition courses			None			-			
1. Educ	ational goal:									
Introduc	ing students to	o the theor	etical and p	practical basis of	analysis a	and synthesis of the autor	natic control system.			
2. Educ	ational outcom	ies (acquire	ed knowled	lge):						
Acquire profess	d knowledge ional courses.	can be use	used in solving specific engineering problems, and also represent the basis for further understanding of							
3. Cours	se content/stru	cture:								
Quality and syr stability parame	assessment o othesis of the , threats to sta ters: PID cont	f control in system us ability, Boo roller. Intro	the station ing the roc de method. oduction to	nary and transie ot locus. Analysi . The space con o digital control s	nt regime. s and syr icept of th systems.	Analysis of the system s athesis of the system in a system state. Choice	stability using analyti the frequency doma and adjustment of th	cal methods. in: Niquist cr ie industrial c	Analysis iterion of controller	
4. Teac	hing methods:			-	-					
Lectures represe the writt on the s	s; Computing (nts a logical w en part of the success in Coll	(N), Labora hole can b examinatio loquium, co	atory (L), C e passed ir on are take omputer-lal	computer (C) and in the form of coll in in the written f boratory practice	d Compute oquium. C rom, while and writt	er-Laboratory (CL) Practi Colloquium and the exami e oral part of the examina en and oral part of the ex	ce; Consultations. Pa nation are oral and w ttion is oral. Course g kamination.	rt of the cour ritten. Colloq grade is form	rse which uium and ed based	
				Knowledge e	valuation	(maximum 100 points)				
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points	
Test				Yes	30.00	Oral part of the exam		Yes	20.00	
						Practical part of the exam	n - tasks	Yes	50.00	
					Liter	ature				
Ord.	A	uthor	litie Publisher Year						Year	
1,		ý ž p		temi automatsko	automatsl og upravlia	kog upravijanja anja -zbornik rešenih	Naucha Knjiga, Beo	grad	1996	
2,	. B.Kovačević	c, Z.Đurovi		lataka			Nauka, Beograd		1995	
3,	D. Kukolj i os	tali	Osi reš	nove klasične te ene primere	orije autor	natskog upravijanja kroz	Somel, Sombor		1995	
4,	D. Kukolj, F.	Kulić	Projektovanje sistema automatskog upravljanja u prostoru stanja Univerzitet u Novom Sadu, Novi Sad 1995							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:											
Course	id:	M3311			Ren	ewable Energy	Sources				
Number	of ECTS:	6									
Teacher	rs:		Gvozdenad	c D. Dušan, Gvo	ozdenac L	Jrošević D. Branka					
Course	status:		Mandatory								
Number	of active teac	hing classe	s (weekly)								
L	ectures:	Practical	classes:	Other teaching	ng types:	Study resea	arch work:	Other cla	asses:		
	3	2		0		0		0			
Precond	lition courses			None							
1. Educa	ational goal:										
Acquirin	g knowledge o	of the poten	tial applicat	tions of renewal	ble energy	/ sources.					
2. Educ	ational outcom	nes (acquire	d knowledg	ge):							
Training	students to u	se knowled	ge gained i	n further educat	tion and fu	ture engineering practice	l.				
3. Cours	se content/stru	icture:									
of solar ocean the wind pool estimate usage. (effects of biofuels waste (l energy, accumu	heat), solar s hermal energy wer (indepen- es of available Geothermal er on the environ . Nuclear ene egislation). N electrochem ilation of ene	ystems (PV . Wind ener dent and in energy, mon energy: type: ment. Biom rgy: the pro- ew technol ical energy rgy mome	(economic: gg: resourd teractive), pmentum ai s of geothe ass: biomas pocess of ob ogies (fuel / storage (ttum.	ally independer ces, use of winc technical probl nd reaction turb rmal resources, ss characteristic otaining nuclear cells, compres batteries), the	and integration of and integration of emergy, r emes, hydr r energy, r energy, r ssed hydro process	seractive systems, distribu- machines working on the solutions. Hydro energy: ro power plants as part of s, technology and syster logies and systems for bi- nuclear fuel, nuclear inst- ogen). Energy storage of electrolysis, the stor	tion and central entr wind (VAWT and ha resources, use of d f power systems, sma ns to exploit them (di omass (combustion, tallations (reactors, p e: general part, the a ed energy of comp	ance systems wt), systems iriving forces all hydro, wa irect or indire gasification, power plants accumulation ressed hydro	is), use of based on s of water, ve energy ect usage) pyrolysis),), nuclear n of hydro ogen, the		
4. Teacl	ning methods:										
Lectures area / to The tea The fina seminar	s, and compute pic that individ cher assesses al test covers for paper, the te	er exercises dually defer the work a the whole t est result an	s, mentoring Id in front o Ind the pres eaching ma Id student's	g, consultancy. f colleagues and sentation of eac aterial during th s overall activity	Under the d teachers ch candida e lectures y during le	supervision students wri Selection of topics is co ate and the average score and it is eliminatory. The acture hours.	te seminar paper in g onsistent with student e is established by th e final grade compri	roups for the s` interests. e audience (ses the eval	e selected (students). uations of		
				Knowledge e	evaluation	(maximum 100 points)		_			
	Pre-examina	ation obligat	ations Mandatory Points Final exam Mandatory Points								
Exercise	e attendance			Yes	5.00	Theoretical part of the ex	am	Yes	70.00		
Lecture	attendance		Yes 5.00								
renn pa	ipei		Yes 20.00								
Ord	^	uthor			Litera	ature	Dublish	or.	Veer		
	A R Nakomčić	utioi	٨١٢٥	rnativna onoraa	tika akrir			# 0	7 ear		
1,	D. Makomicic		Alle	mativna energe	una - skiip	Jia	Interno izuanje FTN	1-a	2003		



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



Study Programme Accreditation

 WANTER
 UNDERGRADUATE ACADEMIC STUDIES

 Table 5.2 Course specification

Clean Energy Technologies

Course:									
Course	id:	EZ301	Co	ost-effec	tive ar	nd energy-efficie	ent electrical	systems	\$
Number	r of ECTS:	6							
Teache	r:	ł	Katić A. Nena	ad					
Course	status:	ſ	Mandatory						
Number	r of active teac	hing classes	s (weekly)						
L	ectures:	Practical c	asses:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:
	2	2		0		0		0	
Precond	dition courses	-		None					
1. Educ	ational goal:								
 2. Educ 3. Cours 4. Teac 	ational outcom	nes (acquired	d knowledge):					
				Knowledge e	evaluation	(maximum 100 points)		1	1
	Pre-examina	ation obligation	ons	Mandatory	Points	Final ex	kam	Mandatory	Points
Exercise	e attendance			Yes	5.00	Written part of the exam	- tasks and theory	Yes	40.00
Lecture	Lecture attendance Yes 5.00 Oral part of the exam Yes 20.0						20.00		
Test				Yes	10.00				
				100	Liter	ature			
Ord.	Δ	uthor			Title	9	Publishe	er	Year
1.	D.S. Kirsche	n, G. Strbac	Funda	mentals of P	ower Svst	em Economics	Wiley		2003
2,	S.Filipović, G	G.Tanić	Izazov	/i na tržištu el	ektrične e	energije	Ekonomski institut,	Beograd	2010



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



0

Points

70.00

Year 2004

1991

1998

1996

1984

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Naučna knjiga

FTN

Građevinska knjiga

Industrial Press Inc.

Course: Pumping and Compression Stations Course id: M3301 Number of ECTS: 6 Teachers: Bukurov Ž. Maša, Sokolović S. Dunja, Uzelac N. Dušan Course status: Elective Number of active teaching classes (weekly) Study research work: Lectures: Practical classes: Other teaching types: Other classes: 3 3 0 0 Precondition courses None 1. Educational goal: Acquisition of necessary knowledge for designing pumping, compression and stations for natural gas as parts of the plants such as water systems, gaslines and airlines. 2. Educational outcomes (acquired knowledge): Designing, work and maintenance of pumping, compression and natural gas stations. 3. Course content/structure: Pumping and compression stations, gas stations, place and role in water systems, oil pipelines, airlines and gaslines. Elements of pumping and compression stations. Pipes, classification, calculation and selection. Pipe fittings, working description, classification, selection. Supports, holders of supports, classification, calculations. Compensators, classification, calculations. Pressurized containers, calculations. Pumping stations, classification, selection and arrangement of equipment, calculations. Compressor stations, classification, selection and arrangement of equipment, calculations. Gas stations, classification, selection and arrangement of equipment, calculations. 4. Teaching methods: Lectures - Auditory practice - Laboratory practice - Consultations. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Exercise attendance 5.00 Written part of the exam - tasks and theory Yes Yes 5.00 Lecture attendance Yes Presentation 10.00 Yes 10 00 Yes Literature Ord. Author Title Publisher D. Uzelac Pumpne i kompresorske stanice FTN

Pumpe i pumpne stanice

Metering pump handbook

Uvod u hidropneumatsku tehniku

Snabdevanje vodom

Test

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B. Ristić

J. Mutschmann, F.

Robert E. McCabe, Philip G.

Stimmelmayr

V. Vuković

Lanckton



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:											
Course id:	 ZC028		Ge	eospati	al technologies	and systems	\$				
Number of EC	ГS: 6										
Teachers:		Govedarica	J. Miro, Vujić	V. Zoran							
Course status:		Elective									
Number of acti	ve teaching classe	es (weekly)									
Lectures	: Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:			
3	()	3		0		0				
Precondition co	ourses		None		•	•					
1. Educational	goal:										
Students gain	undamental and a	applied knowle	edge in the fie	ld of geos	patial technologies.						
2. Educational	outcomes (acquir	ed knowledge):								
The acquired k	nowledge is used	in practical co	ourses, formin	ig and solv	ving engineering problem	S.					
3. Course cont	ent/structure:										
Place and role sensing), GNS applications. D remote sensing and application	of geoinformatior S – technology ba ata acquisition ba g. Data classificat ns of visualization	technologies ses and appli sed on photog ion and segm . Application	. Basic terms cations. Data grammetry. Re nentation. Inte of geoinformation	and termi acquisitio emote sen erpretation ation techr	nology. Acquisition of sp n using GNSS technolog sing - technology bases a and presentation of spa nologies in various fields	atial data (GNSS, ph y. Photogrammetry - and applications. Dat atial data. Visualizatio . Interaction with GIS	otogrammetry technology b a acquisition on. Technolo S systems.	y, remote ases and based on gy bases			
4. Teaching me	ethods:				-						
Teaching meth and independe	ods include lectuently developed tw	res, computer o obligatory a	practice, cor	nsultations and two se	, independent work on o eminar papers; final exar	obligatory assignmer nination is oral.	nts. Evaluatio	n: guided			
			Knowledge e	evaluation	(maximum 100 points)						
Pre-e	xamination obliga	tions	Mandatory	Points	Final ex	am	Mandatory	Points			
Project task			Yes	15.00	Oral part of the exam		Yes	30.00			
Project task			Yes	15.00							
Term paper			Yes	20.00							
			Yes 20.00								
Ord	Author			Title		Publishe	er 🔤	Year			
1, C. Joi	nes	Geogr	raphical Inforr	mation Sys	stems and Computer	Pearson Education	Inc.	1997			
2, P. Ma	ther	Comp	uter Procesdi uction	ng of Rem	otly-Sensed Images: An	John Wiley&Sons, I	Ltd	2004			
3, Keith	R. McCloy	Resou Sensi	Introduction Resource Managament Information Systems Remote Sensing, GIS and Modelling Taylor & Francis								



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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

Clean Energy Technologies

Course id: Z305A Environmental data analysis Number of ECTS: 6 Course status: Elective Course status: Elective Other leaching dasses (weeky) Lectures: Practical classes: Other leaching types: Study research work: Other classes: 3 0 3 0 0 0 Precondition courses 1. Educational goal: The acquisition of basic knowledge of instrumental methods of chemical analysis in the field of engineering necessary protection of water, air and land. Introduction to modern methods of experiment design, processing, and analysis of data about levels of contamination, methods of deposition and dynamics of dispersion of pollutants in a variety of biotic and abiotic environmental matrices. 3. Course content/structure: The structure of pure substances. Properties and behavior of gases solid and liquid substances. Dispersed systems. Solutions. Phase equilibrium. Gibb's phase rule, two and three component systems. Physical and chemical adsorption, heat of adsorption, adsorption in practice. Sources verimental research. planing of experimental results. Analytical methods. Spectroscopy. Theoretical basis and types of spectroscopy. Instruments in optical spectroscopy. Theoretical basis of spearators. Bustances. Programetal results. Analytical methods. Chemical, asnesyt. Souther spectroscopy. Theoretical basis and types of spectroscopy. Instruments in optical spectroscopy. Theoretical basis of spearat	Course:									
Number of EC1:S: 6 Teachers: Radonić R. Jelena, Turk-Sekulić M. Maja Course status: Elective Number of active teaching classes (weeky) Other teaching types: Study research work: Other classes: 3 0 3 0 0 0 Precondition courses	Course	id: Z30	5A			Envi	ironmental data	analysis		
leachers: redonic R. Jelena, Turk Sexuic M. Maja Course status: Elective Number of active taeching classes (weekly) Lectures: Practical classes: Other teaching types: Study research work: Other classes: 3 0 3 0 0 0 Precondition courses	Number	of ECTS: 6					•• ·			
Course status: Elective Number of active teaching classes: (weekly) Other teaching types: Study research work: Other classes: 3 0 3 0 0 Precondition courses 1 Course study research work: Other classes: 1 Educational goal: 1 Course study research work: Other classes: 2 Educational courcomes (acquired knowledge of instrumental methods of chemical analysis of data about levels of contamination, methods of deposition and dynamics of dispersion of pollutants in a variety of biotic and abiotic environmental matrices. 2 3 Course content/structure: The structure of pure substances. Properties and behavior of gases solid and liquid substances. Dispersed systems. Solutions. Phase equilibrium. Glibbic phase rule, two and three component systems. Physical and chemical adsorption, hadcoption, adsorption, adsorptio	Teache	rs:	Rado	nić R. J	elena, Turk-S	Sekulić M.	Maja			
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3. Course content/structure: The structure of pure substances. Properties and behavior of gases solid and liquid substances. Dispersed systems. Solutions. Phase equilibrium, Gibb's phase rule, two and three component systems. Physical and chemical adsorption, heat of adsorption, adsorption isotherms. Catalysis, catalysis, catalysis. An experiment in practice. approach to experimental results. Analytical methods. Chemical sensory, biochemical and instrumental analytical methods. Spectroscopy. Theoretical basis of separation methods. Chromatography. 4. Teaching methods: Lectures. Laboratory and computing practice. Consultation - individual and group. During the semester, students take the written (computing) and oral (theoretical) part of the final exam. The written part of the exam can be taken through the two colloquiums. Knowledge evaluation (maximum 100 points) Pre-examination obligations Exercise attendance Yes 5.00 Lecture attendance Yes 5.00 Coloquium exam No 20.00 Lecture attendance Yes 5.00 Coloquium exam No 20.00 Coloquium exam No 20.00 Coloquium exam No	Acquire of depo	d knowledge, stude sition and dynamic	ents will use s of dispersi	in the a on of po	inalytical eva	luation an variety of	d statistical analysis of d biotic and abiotic enviror	ata about levels of c mental matrices.	ontamination	methods
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$\begin{tabular}{ c $	4. Teac Lecture lectures (compu	hing methods: s. Laboratory and s, laboratory and ting) and oral (the	computing p computation eoretical) pa	ractice. al prac irt of the	Consultation tices. After s e final exam	ı - individu successfu . The writ	al and group. During the illy realized examination tten part of the exam ca	e semester, students n prerequisites, stua an be taken through	are required dents take th the two col	to attend e written oquiums.
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Lecture attendance Yes 5.00 Coloquium exam No 20.00 Oral part of the exam Yes 30.00 Literature Ord. Author Title Publisher Year 1, Ilija Pantelić Uvod u teoriju inženjerskog instrumenta Univerzitet u Novom Sadu 1976 2, Nikola Marjanović Instrumentalne metode analize, I/1. Metode razdvajanja Univerzitet u Banja Luci 2001 3, M. Vojinović Miloradov, J. Radonić, M. Turk Sekulić Analiza podataka o stanju okoline - Interna skripta Fakultet tehničkih nauka, Novi Sad 2011 4, I. Bajalović Osnovi fizičke hemije IRO "Građevinska knjiga", Beograd 1983 5, I. Holclajtner Antunović Opšti kurs fizičke hemije I deo Univerzitet u Novom Sadu, Tehnološki fakultet, Novi Sad 1989 6, P. Putanov Osnove fizičke hemije I deo Univerzitet u Novom Sadu, Tehnološki fakultet, Novi Sad 1989 7, P. Putanov Osnove fizičke hemije I deo Univerzitet u Novom Sadu, Tehnološki fakultet, Novi Sad 1989 8, D.A. Skoog, D.M. West, F.J. Holler Fundamentals of Analytical Chemistry Saunders College Pub. 1	Laborat	ory exercise defen	се		Yes	20.00	Coloquium exam		No	20.00
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2,Nikola MarjanovićInstrumentalne metode analize, I/1. Metode razdvajanjaUniverzitet u Banja Luci20013,M. Vojinović Miloradov, J. Radonić, M. Turk SekulićAnaliza podataka o stanju okoline - Interna skriptaFakultet tehničkih nauka, Novi Sad20114,I. BajalovićOsnovi fizičke hemijeIRO "Građevinska knjiga", Beograd19835,I. Holclajtner AntunovićOpšti kurs fizičke hemijeZavod za udžbenike i nastavna sredstva, Beograd20006,P. PutanovOsnove fizičke hemije I deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19897,P. PutanovOsnove fizičke hemije II deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19898,D.A. Skoog, D.M. West, F.J. HollerFundamentals of Analytical ChemistrySaunders College Pub.1992	1,	Ilija Pantelić		Uvod ı	u teoriju inžer	njerskog ir	nstrumenta	Univerzitet u Novo	m Sadu	1976
3,M. Vojinović Miloradov, J. Radonić, M. Turk SekulićAnaliza podataka o stanju okoline - Interna skriptaFakultet tehničkih nauka, Novi Sad20114,I. BajalovićOsnovi fizičke hemijeIRO "Građevinska knjiga", Beograd19835,I. Holclajtner AntunovićOpšti kurs fizičke hemijeZavod za udžbenike i nastavna sredstva, Beograd20006,P. PutanovOsnove fizičke hemije I deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19897,P. PutanovOsnove fizičke hemije II deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19898,D.A. Skoog, D.M. West, F.J. HollerFundamentals of Analytical ChemistrySaunders College Pub.1992	2,	Nikola Marjanović	ć	Instrur razdva	nentalne met ajanja	ode analiz	ze, I/1. Metode	Univerzitet u Banja	Luci	2001
4,I. BajalovićOsnovi fizičke hemijeIRO "Građevinska knjiga", Beograd19835,I. Holclajtner AntunovićOpšti kurs fizičke hemijeZavod za udžbenike i nastavna sredstva, Beograd20006,P. PutanovOsnove fizičke hemije I deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19897,P. PutanovOsnove fizičke hemije II deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19898,D.A. Skoog, D.M. West, F.J. HollerFundamentals of Analytical ChemistrySaunders College Pub.1992	3,	M. Vojinović Milor Radonić, M. Turk	radov, J. Sekulić	Analiz	a podataka o	stanju ok	oline - Interna skripta	Fakultet tehničkih r Sad	nauka, Novi	2011
5,I. Holclajtner AntunovićOpšti kurs fizičke hemijeZavod za udžbenike i nastavna sredstva, Beograd20006,P. PutanovOsnove fizičke hemije I deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19897,P. PutanovOsnove fizičke hemije II deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19898,D.A. Skoog, D.M. West, F.J. HollerFundamentals of Analytical ChemistrySaunders College Pub.1992	4,	I. Bajalović		Osnovi fizičke hemije IRO "Građevinska knjiga", Beograd				1983		
6,P. PutanovOsnove fizičke hemije I deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19897,P. PutanovOsnove fizičke hemije II deoUniverzitet u Novom Sadu, Tehnološki fakultet, Novi Sad19898,D.A. Skoog, D.M. West, F.J. HollerFundamentals of Analytical ChemistrySaunders College Pub.1992	5,	I. Holclajtner Antu	unović	iović Opšti kurs fizičke hemije Zavod za udžbenike i nastavna sredstva, Beograd 2				2000		
7, P. Putanov Osnove fizičke hemije II deo Univerzitet u Novom Sadu, Tehnološki fakultet, Novi Sad 1989 8, D.A. Skoog, D.M. West, F.J. Holler Fundamentals of Analytical Chemistry Saunders College Pub. 1992	6,	P. Putanov	Osnove fizičke hemije I deo Univerzitet u Novom Sadu, Tehnološki fakultet, Novi Sad				1989			
8,D.A. Skoog, D.M. West, F.J. HollerFundamentals of Analytical ChemistrySaunders College Pub.1992	7,	P. Putanov		Osnov	ve fizičke hem	nije II deo		Univerzitet u Novo Tehnološki fakultet	m Sadu, , Novi Sad	1989
	8,	D.A. Skoog, D.M. Holler	. West, F.J.	Funda	mentals of A	nalytical C	hemistry	Saunders College	Pub.	1992



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:	:										
Course	id:	M3497				Energy audi	ts				
Number	of ECTS:	6									
Teache	r:		Petrović F	R. Jovan							
Course	status:		Elective								
Number	of active teac	hing class	es (weekly))							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	2		2	0		C		0			
Precond	dition courses	-		None							
1. Educ	ational goal:										
Student national highligh and imp	s will be though l, local and oth ted from the s provements: e	ght to: indi ner interest standpoint cological, e	vidually res s and value of: razing t economic a	search the realiz e of implementat the energy effici and social factor	ation way ion of ene ency, imp s.	vs and realization energy ergy reviews in industrial roving the technological	audits, global under companies and build solutions, increasing	rstanding of t lings. This is o the security	he whole, especially in supply		
2. Educ	ational outcom	nes (acquir	ed knowled	lge):							
Masteri efficienc building consum	ng the knowle cy improvemen s with the goa er.	edge, tech nts. At the s Il of lowerir	niques an same time, ng of the to	ques and realization methods in energy reviews will enable the justification of continuous energy ne time, students will acquire the necessary knowledge in realization of energy reviews in industry and of the total energy costs, better environment preservation and the global prosperity of the final energy							
3. Cours	se content/stru	icture:									
Subject infrastru product	studies the p acture system ion processes	orinciples s, with the s and secu	of energy goal of ind ring the wo	reviews: buildin creasing the ene orking and living	gs and co ergy efficion comfort i	ompanies, technologica ency and lowering of the in buildings.	l entireties, individu e energy costs, impro	al companies oving the con	s, energy iditions in		
4. Teac	hing methods:										
Verbal r	nethod – 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	ation			Yes	10.00	Oral part of the exam		Yes	70.00		
Term pa	aper			Yes	20.00						
	-		Literature								
Ord.	A Zoran K. May	uthor		nlind Industrial F	Title	e N Environmontal	Publish	er	Year		
1,	Gvozdenac	ivay, Dusa	Ма	nagement	inergy and		Wiley		2008		
2,	B. Todorović		Pro	ojektovanje postr	ojenja za	centralno grejanje	Mašinski fakultet, E	Beograd	2005		
3,	B. Todorović	<u> </u>	Klimatizacija SMEITS, Beograd 2005								
4,	Z. Borković, Krstulović i d	∠. Jurić,V. rugi	Me	Miniatzacija Povođenja energetskog pregleda za Povođenja provođenja energetskog pregleda za povod postojoća zarade 2008							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course	:										
Course	id:	M211			Meas	surement and R	egulation				
Numbe	r of ECTS:	6									
Teache	rs:		Đaković D.	Damir, Grković	č R. Vojin,	Gvozdenac D. Dušan, P	etrović R. Jovan				
Course	status:		Mandatory								
Numbe	r of active teac	hing classe	s (weekly)								
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:		
	2	2		0		0		0			
Precon	dition courses	-		None		•					
1. Educ	ational goal:										
Introdu analysi	ction to studen s of measuring	ts of measu and regula	irement devi tory equipm	ices characteri ent use in The	stics, mea rmal Proc	surement specificity of so	ome process paramet	ers, and to t	raining for		
2. Educ	ational outcom	nes (acquire	d knowledge	nowledge):							
Acauisi	Acquisition of theoretical and practical knowledge in the fields of measuring and regulatory technique										
3. Cour	se content/stru	ucture:									
Importa Genera propert	nce of measu Il characteristi ies. Measurem	rement and ics of meas nent of temp Regulator	l regulation i suring device perature, pre	in Thermal Pro es. Errors duri essure, flow, he	ocess Enç ing engin eat flow, fl	gineering, general terms. eering measurements. M uid levels, moisture, com	Functional analysis leasurement units an bustion products con	of measuring nd standards nposition etc	g devices. s of basic . Concept		
4 Teac	hing methods.	- togulator	ojotomor								
				The even is i		forma The suredo is formas	dding to the				
defend	of laboratory v	works and c	lasses atten	idance.	n whiten	iorm. The grade is former	a according to the su	ccess at writ	ten exam,		
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	ation obligat	ions	Mandatory	Points	Final e	kam	Mandatory	Points		
Laborat	ory exercise a	ttendance	Yes 5.00 Theoretical part of the exam Yes 60.00								
Lecture	attendance			Yes	5.00						
Project	defence			Yes	30.00						
					Liter	ature					
Ord.	A	Author		Title Publisher Year							
1,	Prot. Dr Duša	an Gvozder	nac Mere	enje i regulisan	je u termo	procesnoj tehnici			2001		



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Study Programme Accreditation

Clean Energy Technologies

Course:			Engineering Calculations of Energy Technologies Apparatus and							
Course	id:	M3031		U U		Equipment	U	••		
Number	of ECTS:	6				- 41				
Teache	rs:		Đaković D	. Damir, Gvozde	enac D. Di	ušan				
Course	status:		Mandatory	1						
Number	of active teac	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:									
A purpo equipment the calc during t	ose of this cou ent. In the time ulations offere he use of non	irse is to g e of the big ed, and by authorized	ive the stud offer of diff this way the l and untest	dents understan ferent software ey put themselve ted software.	iding oppo for engine es in dang	ortunity of calculation pro eering calculations, the us ger to make the errors in	ocedures of many ter sers gradually negled the calculations. This	chnical appa ot the physica is especially	ratus and al basis of / possible	
2. Educ	ational outcom	nes (acquir	ed knowled	nowledge):						
Masteri equipm and usi	Mastering of apparatus and equipment calculations principle massively used in energy engineering (heat exchangers, boilers, cooling equipment, pumps, fans, compressors, electric motors etc.). The students will be qualified to perform engineering calculations (manually and using computers) of the most represented apparatus and equipment in the field of energy and environmental engineering.									
3. Cours	se content/stru	icture:								
Energy Thermo isolatior	units, conve dynamic and n; Estimation (ersions, th transport p of working	ermophysic properties o point of hea	cal properties of moist air; App at exchanger; C	and othe lied hydra Cooling to	er engineering data; Fu aulics; Pumps and fans; wers; Cooling devices; N	els, burning and e Heat transfer in heat lixers; Filtration; Dis	nvironmenta equpiment; tillation; Dryi	al impact, Industrial ng.	
4. Teac	hing methods:									
Accordi apparat if neede	ng to content us and device ed. It will be ins	and struct s. A theore sisted espe	ture of the o tical analysi cially to inde	course, lectures is which student ependent work	s will be a t already h of student	abounded by the exampl neard during some other o s on calculations.	es of engineering ca course will be preced	alculations of ed to every c	f different alculation	
				Knowledge e	valuation	(maximum 100 points)				
	Pre-examina	ation obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points	
Project	task			Yes	15.00	Written part of the exam	 tasks and theory 	Yes	70.00	
Project	task		Yes 15.00							
		Literature								
Ord.	Α	Nuthor	Title Publisher					Year		
1,	D. Gvozdena	ac	Inže tehr	enjerski proraču nologija	ni aparata	i uređaja energetskih	FTN (skripta)		2013	
2,	K.F. Pavlov,	P.G. Roma	ankov, Exa	amples and Prot	plems to th	ne Course of Unit	Mir Publishers, Mos	scow	1976	
3	N P Choney	T G Hick	s Har	ndbook of Chem	ical Engin	eering Calculations	McGraw-Hill Co		1984	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.2	Course	specification
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Course:				Clean Electrical Energy Sources							
Course i	d:	EZ300		Clean Electrical Energy Sources							
Number	of ECTS:	6		ić A. Vladimir							
Teacher	:		Katić A. Vla	ć A. Vladimir							
Course	status:		Mandatory								
Number	of active teac	hing classe	es (weekly)								
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
	2	2	2	0		0		0			
Precond	ition courses			None							
1. Educa	ational goal:			-							
The goa as the p geothern econom of incorp	l of this course rinciples of op mal and other ic aspects of t porating these	e is to prov eration of s. Student heir use, e sources in	ride students power plants s will be intr specially in to the existin	s with basic kno s which use cle roduced more light of the ava ng electrical dis	owledge o an energy thoroughly ilable cap stribution s	f existing potentials for e. , especially wind energy y in the methods of oper acity in Vojvodina and Se system, as well as all the	xploitation of clean e , solar, hydropower (ation, designing, co erbia. In addition, the problems and advan	nergy source small hydro), nstructing an present and tages of this	s, as well biomass, d techno- the ways approach.		
2. Educa	ational outcom	es (acquire	ed knowledg	le):		-	-	_			
The cou principle conversi wind and	rse is designe s of use of clo ion of renewa d solar power	d so that, t ean energy ble resourc , as well as	hanks to a c / technologi ces into elec s know-how	Its to a combination of theoretical and practical approaches, students will aquire knowledge of general echnologies for power generation. Students will be able to calculate, design and use of plants for the into electricity, and to improve their applicability. They will gain practical experience in working with now-how of their operation and connection to the existing power system.							
3. Cours	e content/stru	cture:									
Introduc potentia trends. \ practice stations connect applicat	tion - concept I of the count /iew realized o s. Characteris) - mode, sur ion. Use of o ion: methods	and types ry, region of capacity in stics and s veyor regin ther renew and analy	of clean er or specific le Europe, Se election of mes, manag vables - ope vsis. The ma	nergy sources a ocations. Revie rbia and Vojvoo electric genera gement, interco erating principl arket situation	and conve ew of avai dina. Conv ators in wi onection t es and th and exar	rsion capabilities into ele lable software tools. Converters of solar energy, wi nd power plants. Compl o the grid. Small hydro eir application. Techno- nples of implemented pl	ectricity. Methods for nditions in the globa ind and water energy ex power plants (wi power plant - constr economic analysis ants in Serbia and	estimating th I economy al r: theories, mo nd farms, so ruction, oper of renewable Europe.	ne energy nd typical odels and lar power ation and e sources		
4. Teach	ning methods:										
Teachin researcl practica case stu	g methods ind n, processing I work and sin idies.	clude lectu , case stue nulation wo	res and acti dies, etc T ork to be do	ive student par heoretical asp ne in the exerc	ticipation ects and ise. Indep	through discussion on a mathematical models w pendent student work will	given topic, group a ill be presented at t be reported in the p	nd individual he lectures, preparation o	scientific while the f project /		
				Knowledge e	evaluation	(maximum 100 points)					
	Pre-examina	tion obligation	tions	Mandatory Points Final		Final ex	kam	Mandatory	Points		
Exercise	attendance	,		Yes 5.00 Written part of the ex		Written part of the exam	- tasks and theory	Yes	50.00		
Laborato	ory exercise de	etence		Yes 5.00							
Term pa	ner			Yes	20.00						
pu	r		Literature								
Ord	A	uthor	Title				Publishe	er l	Year		
1,	V.Katić,	5. V Γ¥4:4	Obn	Obnovlijvi izvori električne energije TEMPUS			TEMPUS-JADES, I	Fakultet	2007		
2,	Tushar K. Gh	osh, Mark	A. Ener	rgy Resources	and Syste	ms - Volume 2:	Springer, Heidelbei	rg	2011		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course	:								
Course	id:	Z453		Energy System Engineering					
Numbe	r of ECTS:	5							
Teache	r:		Gvozden	ac Urošević D. B	ranka				
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 cl	asses:
	2	2	2	0		0		0	
Precon	dition courses			None		-			
1. Educ	ational goal:								
Traininę	g students to b	e able to or	rganize an	d manage the en	gineering	process regarding the en	ergy systems.		
2. Educ	ational outcom	es (acquire	ed knowled	dge):					
The kno	owledge will en	able stude	nts to worl	k in engineering p	practice.				
3. Cour	se content/stru	cture:							
Summa projects econon benefits technol Unders Financ technol energy softwar	ary of clean-er s; Identificatior nic s to society aris ogies; Making tanding the ele ing mechanisi ogies; Legislat technologies; I e programs.	nergy tech a and quan sing from th "Cost-ber ements of t ms, includ ion in Serb During exe	nology co ne execution nefit" analy the feasibi ing speci- nia and the rcises will	ncept, important of savings and b on of those proje ysis; Elements a lity study; Manag fic forms of fina European Unior be analyzed case	ce, types, enefits of cts; Calcu nd metho gement ar incing for n, possible e studies,	effects; Engineering a clean energy technology lations and potential effe ds for economic efficien id monitoring of project i projects related to env govermental mechanism material from lectures an	pproach to the ener / projects; Evaluatio cts of carbon dioxide cy of the engineerin mplementation; Risk /ironmental protect ns for the promotion d calculations. Gettin	gy and envir n and analys e reduction us g-investmen (Assessmen ion and clear and subsidie ng to know th	ronmental sis of non- sing clean t projects; t analysis; n energy s of clean e relevant
4. Teac	hing methods:								
Lecture	s, practice, cor	nsultation.							
			Knowledge evaluation (maximum 100 points)						
	Pre-examina	ition obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points
Project	task			Yes	15.00	Theoretical part of the ex	am	Yes	70.00
Project	lask								
Ord	A	uthor				or.	Veer		
Ora.	A Gvozdenac-L	Jrošević B			i itle				rear
1,	Gvozdenac E)., Anđelko	vić A.	A. Inženjering energetskih sistema FTN Novi Sad, skripta 2011					



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.2 Course specification Course: Measurement systems in clean power sources Course id: EZ302 Number of ECTS: 6 Teacher: Mitrović Lj. Zoran Course status: Elective Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 2 2 0 0 0 Precondition courses None 1. Educational goal: Acquiring the knowledge about the measurement szstems and practical measurements in clean energy sources. 2. Educational outcomes (acquired knowledge): Introduction to the measurements and measuring systems in the real industrial environment. Practical training for autonomous work. Essential safety standards in measurements and instrumentation handling. Typical examples of measuring systems and instruments used in everyday practice. Basic troubleshooting of faulty measuring systems. Course content/structure: Characteristics of measuring systems in clean energy sources. Measurement safety standards in industrial environment. Characteristics and practical implementation of standard hardware devices. Analog, digital, mixed analog-digital, microprocessor and computer based measuring systems in industrial environment. Typical mistakes in practice while handling measuring devices. Troubleshooting standard problems and faults of measuring systems in practice. Real environment work simulation in laboratory environment. Field work with practical examples of industrial grade measuring systems used in practice. Measurement of basic electrical values in industrial environment. Measurement data reading, processing and interpretation. Autonomous and team work practice. Details of measuring systems for specific industry applications in various fields 4. Teaching methods: Teaching methods include lecture and active student participation through discussion on a given topic, group and individual scientific research, processing, case studies, etc.. Theoretical aspects and mathematical models will be presented at the lectures, while the practical work and simulation work to be done in the exercise. Independent student work will be reported in the preparation of project / case studies Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Exercise attendance 5.00 Written part of the exam - tasks and theory 60.00 Yes Yes Lecture attendance 5.00 Coloquium exam 20.00 Yes No Term paper 20.00 Oral part of the exam 10.00 Yes Yes Literature Ord. Title Publisher Author Year 1, Zoran Mitrović Merni instrumenti FTN, Novi Sad 2007 2, Merni instrumenti - praktikum FTN, Novi Sad Zoran Mitrović 2007 Electronics of Measuring Systems: Practical 3 Tran Tien Lang Wiley 1987 Implementation of Analogue and Digital Techniques



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course									
Course id: IM1039 Number of ECTS: 5				Fund	amen	tals of Operation	ns managem	ent	
Number	of ECTS:	5	· · · · · · · · · · · · · · · · · · ·						
Teache	rs:		Ćosić P. Ilija, Simeunović V. Nenad, Leber J. Marjan						
Course	status:		Elective						
Number	of active teac	hing classe	es (weekly))					
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:
	2	2	2	0	0 71	0	1	0	
Precon	lition courses			None					
1. Educ	ational goal:								
Introduct service delivery the effic the use program	ce to students delivery syste comprise of a ient capacity or rs` demands. mme alternation	to basic s ems, is the number of levelopme The course ns, technol	kills of pla main obje operation nt of the ov is directer ogical dev	anning, designin ective of this sub is whose proper i wners of these p d towards acquir relopment and in	g, implem oject. Pro managem rocesses ing the kr troduction	entation and managing cesses of procurement, ent can achieve the want who as a result provide fi lowledge that enables qu of new technologies, ec	operations within pr storage, processing ed business effect. T nal products or servi alitative decision-ma ology and sustainabl	oduction sys , assembly, he course all ces in compli- king on the p e developme	tems and sales and so studies iance with production ent.
2. Educ	ational outcom	es (acquire	ed knowled	knowledge):					
Student materia employ influenc also co Lean, E	s will be able t I products and ees as proces e the production mprises skills fficient system	o plan, des l services. s owners. on line bala in using fir n).	sign, imple With succ Students Ince, and t nancial ind	in, implement and maintain processes based on operations with the aim of producing material and non- /ith successfully mastering the course content, students will be able to adequately communicate with Students will be trained to determine the spatial schedule of the technological system in a plant, to ce, and to properly use the effects of introducing quality management system. The educational outcome incial indicators in business, as well as the application of contemporary concepts in production (CIM,					
3. Cour	se content/stru	cture:							
Introduc Process Locatio Conterr	tion to Operat Design. Proc of a product porary techno	ions Manag ess analys ion systen blogies in b	gement. O is and impl n. Work s ousiness (perations Strateg rovement. Tools study. Queuing n e-business, mas	gy and Co and Tech nanagemess custom	mpetitiveness. Functions niques of Operations Mar ent. System capacity. Ma ization).	of Enterprice. Produ nagement. Production anaging the Supply.	uct and Servic n and Service Project mar	ce Design. e systems. agement.
4. Teac	hing methods:								
Lecture the stud operatio order to training supervi compar	s are auditory, lied problems, ons manageme apply the acc on specially sed by the lab lies.	with theory interactive ent, and tea quired know equipped poratory as	etical proce processir amwork on wledge in working p ssistant. Tl	essing of necess ng of case studie project task pre designing a real laces, mutually here is a public	ary numb es and cor paration. S productio related to defence o	er of case studies. Praction nputing examples, all in Students divided in smalle on system and service de a production line, in a of project tasks. During t	ce include students' order to practically m er groups prepare a d elivery system. Labo laboratory prepared he course, there are	auditory intro naster the de concrete proj ratory praction d for this pur e also visits t	duction to sign tools, ect task in ce include pose and to diverse
			Knowledge evaluation (maximum 100 points)						
	Pre-examina	ition obliga	ations Mandatory Points Final exam Mandatory Points				Points		
Exercis	e attendance			Yes	5.00	Written part of the exam	- tasks and theory	Yes	70.00
Lecture	attendance			Yes	5.00				
Term pa	aper			Yes	20.00				
Ord.	A	uthor	Title Publisher			Year			
1,	D. Zelenović		Pro	Projektovanje proizvodnih sistema FTN			2005		
2,	Dž.Hejzer, B.	Render	Op	peracioní menadž	zment		Ekonomski fakultet - Beograd 2011		2011
3,	R.B. Chase;	et al	Op	perations manage	ement for	competitive advantage	I I ata McGraw-Hill, (©2006.	2006



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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

Clean Energy Technologies

Course:	:	M0507			Co	ombustion Tech	nology		
Course		IVI3507							
Number	of ECTS:	/							
Teache	rs:		Đaković D	D. Damir, Vićević	D. Marija				
Course	status:		Elective						
Number	of active teacl	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:
	2	2	2	0		0		0	
Precond	lition courses					•			
1. Educ	ational goal:			-					
Enablin conven	g students for tional fuels.	r: construc	cting, desi	gning, exploitat	ion, engir	eering and consalting i	n the field of energ	y conversion	and non
2. Educ	ational outcom	es (acquire	ed knowled	lge):					
Acquirir (station	ng fundamenta ary and non st	al knowledg tationary ir	ge on prob terms of	lems and metho load shift), engi	dology of neering ar	solving problems during during of thermal	g construction, desig and energy plants.	gning, managi	ing plants
3. Cours	se content/stru	cture:							
1. Introc process process 5. Lami Combus Liquide – combus	luction. Flame. ses thermo dy ses. nal flame with stion during tu fuels combusti ustion in layers cetams. Definiti	Fundame vnamics. F previous i rbulent flo ion. Burnet and space	ntal definiti Fundamen mixing. La wing. Diffu rs for liquic e. Special f	on.2. Fuel and c tals in transpor minal flame with usion flame duri fuels. 8. Solid f forms of combus	ombustior t and che nout previe ng free ou uels comb tion. Wast	n. Combustion phenomer mical kinetics. Chemica ous miximg. Combustion utflow. Diffusion flame o oustion. Specific characte e combustion. 9. Flames moustion and environmer	ology. Fuels charact al reaction mechan stability. Burners v luring forced outflow ristics. Solid fuels co and burning place.	teristics. 3. Co isms. 4. Infla vith previous w. Diffusion b ombustion tec 10. Economy o	ombustion ammation mixing. 6. urners. 7. hnologies of burning
place sy	stems. Definiti	ions, energ	y balance,	losses, eniciend	y. 11. Col	noustion and environmen	11.		
4. Teac	hing methods: s, computer ar	ethods: puter and auditory practical classes, consultations, seminar paper. The final grade is formed on the basis of achievements							
in comp		5145565, 56		Knowledge	valuation	(maximum 100 points)			•
	Pre-evamina	tion obliga	tions	Mandatory	Pointe	(indxinidin 100 points)	vam	Mandatory	Points
Exercise	e attendance	tion obliga	10113	Ves	5 00	Coloquium exam	A ann	No	30.00
Lecture	attendance			Yes	5.00	Oral part of the exam		Yes	50.00
Term pa	aper			Yes	10.00				00.00
					Liter	ature			
Ord	Α	uthor			Title		Publish	er	Year
	Dožonionski I		Та			i	Fakultet tehničkih	nauka, Novi	2007
١,	Warnatz I M	I. Naas II Di	ibble	inika sagorevan	ja - u pripi	em	Sad		2007
2,	R.W.		Co	mbustion			Springer		2000
3,	Günther, R.		Ve	rbrennung und F	euerunge	n	Springer		1974
4,	Doležal R.		Gro	oßkessel – Feue	rungen		Springer, Berlin		1961
5,	Radovanović	, М.	Go	riva			Tehnološko-metali	Beograd urški fakultet	1994
6,	Joksimović Tj	japkin, S.	Pro	Procesi sagorevanja			Beograd		1987
7,	Hzmaljan, D.I	M., Kagan,	JA.A. Te	A.A. Teorija gorenija i topočnije ustrojstva			Energija, Moskva		1976
8,	Spalding, D.E	3.	Co	Combustion and Mass Transfer			Pergamon press, C	Oxford	1979
9,	Brunklaus J.H	1.	Ind	Industrieofen-und Brennerbau			Vulkan-Verlag, Es	sen radskogo	1975
10,	R. S. Tjuljpan	ΙΟν	Dif	Diffuzionnie turbulentnie plamena			univerziteta, Lening	grad	1981
11,	I. M. Glušćen	ko	Те	Termičeskij analiz tverdih topliv			Metallurgija, Mosk	va	1968
12,	G. I. Ksandop	oulo	Hir	nija plameni			Himija, Moskva		1980
13,	J. M. Beer		Ind	ustrial flames			Edward Arnold, Lo	ndon	1972
14,	H. G. Franck		Ko	hleveredlung Ch	emie und	I echnologie	Springer Verlag, B	erlin	1979
15,	F. Brandt	on la A l	Bre	ennstoffe und Ve	rorennung	jsrechnung			1981
16,	ט. ואו. Hzmalja	an, Ja. A. I	ayan 10	onja gorenija i to	pocnie us	แบ่รเขล	r ⊏nergija, woskva		1970



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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

		Literature		
Ord.	Author	Title	Publisher	Year
17,	Pomerancev V.V., Sagalov S.L., Reznik V.A., Kusnarenko V.V	Samovosgoranijw i vzrjivi	Energija, Leningrad	1978
18,	Hofman G.	Industriofen	VEB, Leipzig	1969



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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

Clean Energy Technologies

Course id: ZC036 Measurement and control of pollution Number of ECTS: 6 Budak M. Igor, Hadžistević J. Mindrag, Hodolić J. Janko, Vukelić B. Borde Course status: Elective Elective Number of active teaching classes (weekly) Elective Other classes: 2 1 1 0 0 Precondition courses None 1. Elective Victorial and policita in the ways of processing, presentation and interpretation of the results using statistical methods and introduction to the engineering experiment theory. 2. Educational goal: Introduction to the methods and techniques for measuring and monitoring of certain environmental polition and the ways of processing, presentation and interpretation of the results using statistical methods and introduction to the engineering experiment. Fundamentals of measuring netromerits. 2. Educational outcomes (acquired knowledge): Ability to apply different methods and techniques for measuring netromerits. Measurement error Measuring element and angles. Measuring estimation of the environment by applying statistical control. Sampling procedures and controls map. Assessment of the environment by applying statistical tests. 3. Course content/structure: Electing methods: Cancerding methods: Cancerdenge for the acquiling the methods of the environment by applying statistical control. Sampling procedures and controls map. Assessment of the environment by applying statis	Course:										
Number of ECTS: 6 Teachers: Elective Course status: Elective Number of active teaching classes (weekly) Study research work: Other classes: 2 1 0 0 Precondition courses None 0 0 1. Educational goal: Introduction of the methods and techniques of measurements of some characteristic parameters from the standpoint of environmental pollution and the ways of processing, presention and interpretation of the results using statistical methods and introduction to the engineering experiment theory. 2. Educational outcomes (acquired knowledge): Ability to apply different methods and techniques for measuring and monitoring of certain environmental pollution. Manipulation, transmission and recording of measured values. Systems for the acquisition and processing of measured values. Fundamentals of statistical control. Sampling procedures and controls map. Assessment of the state of the environmental pollution. Manipulatical tests. 4. Teaching methods: Classessment of the state of the environmental pollution. Manipulatical tests: Systems for the acquisition and processing of the measuried values. Fundamentals of statistical control. Sampling procedures and controls map. Assessment of the state of the environmental pollution. Manipulatical tests: 4. Teaching methods: Classes are held in the form of interactive lectures, auditry, laboratory acrue state insite comples in garing. Involue ge galande is applici at advisital	Course	id:	ZC036		Me	easure	ment and contr	ol of pollutior	า		
Teachers: Budak M. Igor, Hadžistević J. Miodrag, Hodolić J. Janko, Vukelić B. Dorđe Course status: Electure Number of active taaching classes: Other teaching types: Study research work: Other classes: Z 1 1 0 0 Precondition courses None Image: Classes: Vector Vector 1. Educational goal: Introduction to the methods and techniques of measurements of some characteristic parameters from the standpoint of environmental pollution and the ways of processing, presentation and interpretation of the results using statistical methods and introduction to the engineering experiment theory. 2. Educational outcomes (acquired knowledge): Ability to apply different methods and techniques for measuring and monitoring of certain environmental parameters. Statistical methods: Characteristics or measuring instruments. Measurement error. Measuring tength and angles. Measuring certain characteristics or measuring instruments. Measurement error. Measuring tength and angles. Measuring certain characteristics of the enacured values. Fundamentals of statistical control. Sampling procesured values. Systems for the acquisition and processing of the measured values. Fundamental sof statistical control. Sampling procedures and control was expresses the din the form of interactive lectures, auditory, laborator and municital coramanication technologies in gaining knowledge of the statistical control. Sampling processing of the material. In the auditory verices typical tasks and deepens the exposed material. On the practical taboratory excrices is the knowledge sine dia sapplie	Number	of ECTS:	6		udak M. loor. Hadžistević J. Miodrag. Hodolič J. Janko. Vukelić B. Đorđe						
Course status: Elective Number of active tack/terms Vertical classes: Vertinal classes: Verti	Teacher	'S:		Budak M. I	gor, Hadžistevi	ć J. Miodra	ag, Hodolič J. Janko, Vuk	elić B. Đorđe			
Number of active teaching desces (weekly Unterview Study research work: Other classes: Lectures: Pracical classes: Other teaching types: Study research work: Other classes: Precondition courses None Image: Study research work: Study research work: Study research work: 1. Educational goal: Introduction to the methods and techniques of measurements of some characteristic parameters from the stand⊅oint of environmental pollution and introduction on the engineering experiment theory. Study research work:	Course	status:		Elective							
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$\begin{tabular}{ c c c c } \hline Pre-examination obligations & Mandatory & Points & Final exam & Mandatory & Points \\ \hline Computer exercise attendance & Yes & 1.00 & Written part of the exam - tasks and theory & Yes & 40.00 \\ \hline Exercise attendance & Yes & 1.00 & Coloquium exam & No & 20.00 \\ \hline Laboratory exercise attendance & Yes & 3.00 & Coloquium exam & No & 20.00 \\ \hline Lecture attendance & Yes & 5.00 & Oral part of the exam & Yes & 30.00 \\ \hline Lecture attendance & Yes & 10.00 & Yes & 30.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & 10.00 \\ \hline Test & Yes & Yes & 10.00 & Yes & Yes & 10.00 \\ \hline Test & Yes & Yes & Yes & 10.00 & Yes & Yes & 10.00 \\ \hline Test & Yes & Yes & Yes & Yes & 10.00 & Yes & Yes & 10.00 \\ \hline Test & Yes & Yes & Yes & Yes & Yes & 10.00 \\ \hline Test & Yes & Yes & Yes & Yes & Yes & Yes & 10.00 \\ \hline Test & Yes \\ \hline Test & Yes & Yes $					Knowledge e	evaluation	(maximum 100 points)				
$\begin{tabular}{ c c c c c c } \hline Computer exercise attendance & Yes & 1.00 & Written part of the exam - tasks and theory & Yes & 40.00 \\ \hline Exercise attendance & Yes & 1.00 & Coloquium exam & No & 20.00 \\ \hline Laboratory exercise attendance & Yes & 3.00 & Coloquium exam & Yes & 30.00 \\ \hline Lecture attendance & Yes & 5.00 & Oral part of the exam - tasks and theory & Yes & 30.00 \\ \hline Test & Yes & 10.00 & Yes & 10.00 \\ \hline \hline Test & Yes & 10.00 & Ves & Ves & 10.00 \\ \hline \hline Test & Yes & 10.00 & Ves & Ves & 10.00 \\ \hline \hline Test & Yes & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Yes & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Yes & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Yes & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & 10.00 & Ves & Ves & 10.00 \\ \hline \hline \hline Test & Ves & Ves & 10.00 & Ves &$		Pre-examina	tion obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points	
Exercise attendanceYes1.00Coloquium examNo20.00Laboratory exercise attendanceYes3.00Coloquium examNo20.00Lecture attendanceYes5.00Oral part of the examYes30.00TestYes10.00Yes10.00Yes30.00TestYes10.00Yes10.00Yes10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves10.00Ves2012Ves20	Comput	er exercise att	endance		Yes	1.00	Written part of the exam	 tasks and theory 	Yes	40.00	
Laboratory exercise attendanceYes3.00Coloquium examNo20.00Lecture attendanceYes5.00Oral part of the examYes30.00TestYes10.00Yes10.00Yes30.00TestYes10.00Yes10.00 </td <td>Exercise</td> <td>e attendance</td> <td>4</td> <td></td> <td>Yes</td> <td>1.00</td> <td>Coloquium exam</td> <td></td> <td>No</td> <td>20.00</td>	Exercise	e attendance	4		Yes	1.00	Coloquium exam		No	20.00	
Test Yes 10.00 Test Yes 10.00 Test Yes 10.00 Test Yes 10.00 Literature Ord. Author Yes 1, Hodolič, J.; Stević, M.; Budak, I., Vukelić, D. Merenje i kontrola zagađenja - skripta Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2012 2, Hodolič, J., Badida M., Majernik M., Šebo D. Mašinstvo u inženjerstvu zaštite životne sredine Majernik M., Šebo D. Upravljanje otpadom u Slovačkoj Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2005 3, Šooš, LJ., Hodolič, J.; Vojinović- Miloradov, M. i dr. Zagađenje životne sredine i zagađujuće supstance, mogućnosti uklanjanja zagađujućih supstanci Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2009	Laborate	ory exercise at	tendance		Yes 3.00 Coloquium exam No 20.00 Yes 5.00 Coloquium exam No 20.00						
Test Test 10.00 Test Yes 10.00 Literature Ord. Author Title Publisher Year 1, Hodolič, J.; Stević, M.; Budak, I., Vukelić, D. Merenje i kontrola zagađenja - skripta Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2012 2, Hodolič, J., Badida M., Majernik M., Šebo D. Mašinstvo u inženjerstvu zaštite životne sredine Sooš, LJ., Hodolič, J. Upravljanje otpadom u Slovačkoj Univerzitet u Novom Sadu, Fakultet tehničkih nauka 2005 3, Šooš, LJ., Hodolič, J. Upravljanje otpadom u Slovačkoj Univerzitet u Novom Sadu, Fakultet tehničkih nauka 2008 4, Hodolič, J.; Vojinović- Miloradov, M. i dr. Zagađenje životne sredine i zagađujuće supstanci Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2009	Test	allenuarice		Yes 5.00 Oral part of the exam Yes 30.00							
LiteratureOrd.AuthorTitlePublisherYear1,Hodolič, J.; Stević, M.; Budak, I., Vukelić, D.Merenje i kontrola zagađenja - skriptaUniverzitet u Novom Sadu - Fakultet tehničkih nauka20122,Hodolič J., Badida M., Majernik M., Šebo D.Mašinstvo u inženjerstvu zaštite životne sredineUniverzitet u Novom Sadu - Fakultet tehničkih nauka20053,Šooš, LJ., Hodolič, J.Upravljanje otpadom u SlovačkojUniverzitet u Novom Sadu, Fakultet tehničkih nauka20084,Hodolič, J.; Vojinović- Miloradov, M. i dr.Zagađenje životne sredine i zagađujuće supstanciUniverzitet u Novom Sadu - Fakultet tehničkih nauka2009	Test			Yes 10.00							
Ord.AuthorTitlePublisherYear1.Hodolič, J.; Stević, M.; Budak, I., Vukelić, Đ.Merenje i kontrola zagađenja - skriptaUniverzitet u Novom Sadu - Fakultet tehničkih nauka20122.Hodolič J., Badida M., Majernik M., Šebo D.Mašinstvo u inženjerstvu zaštite životne sredineUniverzitet u Novom Sadu - Fakultet tehničkih nauka20053.Šooš, LJ., Hodolič, J.Upravljanje otpadom u SlovačkojUniverzitet u Novom Sadu, Fakultet tehničkih nauka20084.Hodolič, J.; Vojinović- Miloradov, M. i dr.Zagađenje životne sredine i zagađujuće supstance, mogućnosti uklanjanja zagađujućih supstanciUniverzitet u Novom Sadu - Fakultet tehničkih nauka2009			Literature								
1,Hodolič, J.; Stević, M.; Budak, I., Vukelić, D.Merenje i kontrola zagađenja - skriptaUniverzitet u Novom Sadu - Fakultet tehničkih nauka20122,Hodolič J., Badida M., Majernik M., Šebo D.Mašinstvo u inženjerstvu zaštite životne sredineUniverzitet u Novom Sadu - Fakultet tehničkih nauka20053,Šooš, LJ., Hodolič, J.Upravljanje otpadom u SlovačkojUniverzitet u Novom Sadu, Fakultet tehničkih nauka20084,Hodolič, J.; Vojinović- Miloradov, M. i dr.Zagađenje životne sredine i zagađujuće supstanciUniverzitet u Novom Sadu - Fakultet tehničkih nauka2008	Ord.	A	uthor	Title Publisher Year							
2, Hodolič J., Badida M., Majernik M., Šebo D. Mašinstvo u inženjerstvu zaštite životne sredine Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2005 3, Šooš, LJ., Hodolič, J. Upravljanje otpadom u Slovačkoj Univerzitet u Novom Sadu, Fakultet tehničkih nauka 2008 4, Hodolič, J.; Vojinović- Miloradov, M. i dr. Zagađenje životne sredine i zagađujuće supstance, mogućnosti uklanjanja zagađujućih supstanci Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2008	1,	Hodolič, J.; S Budak, I., Vu	tević, M.; kelić, Đ.	Merenje i kontrola zagađenja - skripta Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2012					2012		
3, Šooš, LJ., Hodolič, J. Upravljanje otpadom u Slovačkoj Univerzitet u Novom Sadu, Fakultet tehničkih nauka 2008 4, Hodolič, J.; Vojinović- Miloradov, M. i dr. Zagađenje životne sredine i zagađujuće supstance, mogućnosti uklanjanja zagađujućih supstanci Univerzitet u Novom Sadu, Fakultet tehničkih nauka 2008	2,	Hodolič J., Ba Majernik M.,	adida M., Šebo D.	Mašinstvo u inženjerstvu zaštite životne sredine Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2005					2005		
4, Hodolič, J.; Vojinović- Zagađenje životne sredine i zagađujuće supstance, mogućnosti uklanjanja zagađujućih supstanci Univerzitet u Novom Sadu - Fakultet tehničkih nauka 2009	3,	Šooš, LJ., Ho	odolič, J.	Upra	Upravljanje otpadom u Slovačkoj Univerzitet u Novom Sadu, Fakultet tehničkih nauka 2008					2008	
	4,	Hodolič, J.; V Miloradov, M	ojinović- i dr.	Zaga mog	ađenje životne jućnosti uklanja	sredine i z nja zagađ	agađujuće supstance, ujućih supstanci	Univerzitet u Novo Fakultet tehničkih r	m Sadu - nauka	2009	



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



Clean Energy Technologies

Study Programme Accreditation

Table 5.2 Course specification

Course: Energy and renewable energy sources in rural areas Course id: Z476 Number of ECTS: 6 Teachers: Martinov L. Milan, Veselinov V. Branislav Course status: Elective Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 3 2 1 0 0 Precondition courses None 1. Educational goal: Acquiring knowledge of energy flows in biosystems, resources and opportunities to produce and use renewable energy sources. 2. Educational outcomes (acquired knowledge): Knowledge of contemporary possibilities of renewable energy in biosystems. 3. Course content/structure: An introduction to the course, acquainting students with responsibilities at work. The energy situation in the world, prospects and problems. Energy inputs in agriculture, the state and perspective. Power saving options in agricultural production and processing. The energy balancing of agricultural production. Basics of economic and energy balancing. Examples of economic and energy balancing. World, EU and national programs in the energy sector, with emphasis on agriculture. Renewable energy, definitions, applications, documentation. Solar energy in agriculture. Solid biomass, production and use in agriculture. Liquid biomass and second-generation biofuels, the importance for agriculture. Burning biomass and biogas. Cogeneration and trigeneration based on biomass. Other forms of renewable energy sources and their applications in agriculture. Renewable energy and rural development. Visit to one of three plants using renewable energy sources. 4. Teaching methods: Auditory classes, seminar paper with oral defense, colloquial exam and oral exam. Knowledge evaluation (maximum 100 points) Points Mandatory Points Pre-examination obligations Final exam Mandatory Exercise attendance Yes 5.00 Oral part of the exam Yes 70.00 Lecture attendance 5.00 Yes 20.00 Term paper Yes Literature Title Ord. Author Publisher Year Predloške za nastavu u elktronskoj formi (Power Fakultet tehničkih nauka, Novi 1, Martinov, M. 2004 Point) Sad American Society of 2, Anonim Energy and Biomass Engineering, CIGR, ASAE Agricultural Engineers, St. 1999 Joseph Kaltschmitt, M., Hartmann, H. Energie aus Biomasse Springer, Berlin 2001 3, 4, Flaig, H. i H. Mohr Energie aus Biomasse Springer-Verlag, Stuttgart 1993



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



0

Points

20.00

20.00

70.00

Year

1990

1998

2007

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.2 Course specification Course: Automation applied in the industry and buildings Course id: ZC037 Number of ECTS: 5 Teachers: Čongradac D. Velimir, Ristić V. Aleksandar Course status: Mandatory Number of active teaching classes (weekly) Other teaching types: Lectures: Practical classes: Study research work: Other classes: 2 1 1 0 Precondition courses None 1. Educational goal: Students gain theoretical and practical knowledge about automation in industry and office-residential buildings. 2. Educational outcomes (acquired knowledge): The acquired knowledge is used in solving practical engineering problems and form the basis for the future professional courses. 3 Course content/structure: The structure of the manufacturing process, sensors and measurements in industry (flow, level, pressure, position, position and velocity, humidity and pH, force, temperature and quantity of heat), actuators (DC drives, motors, step motors, cylinders, heaters, coupling), ON / OFF control, PID controllers, A/D and D/A conversion, digital PID, computer control systems, PLC devices, highly reliable systems, system structure in office and residential buildings (BMS). Control of HVAC systems in office and residential buildings. 4. Teaching methods: Lectures. Computer practice. Laboratory practice. Consultations. The final examination is written and oral. The course material can be divided and passed through three colloquia. As a rule the colloquia are valid for two examination periods. The colloquia and the examination are written. The written part is eliminating. The final grade is based on the success on the colloquia, homework assignment, and written and oral part of the examination. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Exercise attendance 5.00 Coloquium exam Yes No Lecture attendance 5.00 Coloquium exam No Yes Test 10.00 Practical part of the exam - tasks Yes Yes Test 10.00 Yes Literature Title Publisher Ord Author K. Astrom, B Wittenmark **Computer Control Systems** Prentice Hall 1 Stoecker, Microcomputer Control of Thermal and 2. W. Stoecker, P. Stoecker Chapman & Hall Mechanical Systems Proces Automation Handbook- A Guide to Theory and 3. J. Love Springer Practice



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:										
Course	id:	M3518		Energy Management						
Number	of ECTS:	6								
Teache	1		Petrović R.	etrović R. Jovan						
Course	status:		Mandatory							
Number	of active teac	hing classe	es (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:	
	3	2	2	0		0		0		
Precond	lition courses			None		•				
1. Educ	ational goal:									
Student ecologi consum This is e flow on	s will be thoug cal, economic ers in product especially high development a	ght to: indivical and de tion proces lighted fror and progres	vidually study veloping the sses and buil n the aspect ss: ecologica	y principles of best energy dings, energy of long term pl l, economic ar	energy may supply of flows, en lanning, sind social of	anagement, importance o of final energy, understa lergy transformation syst ustainable development o conditions	f energy managemen Inding the interconn ems and satisfying th f final energy users a	nt in energy e ections of a ne final energ nd influence	efficiency, II energy gy needs. of energy	
2. Educ	ational outcom	nes (acquire	ed knowledge	(nowledge):						
Develop energy	oing skills in m impact on pro	nethods of duction an	understandir d usage cost	nderstanding: relations of energy flows and functional situation in production processes and buildings, usage costs, their control and possibly of their lowering.						
3. Cours	se content/stru	icture:								
Subject technole making work an	is structured ogical entities, them more en d living comfo	so it can , individual lergy efficie ert in buildir	secure the s devices and ent and lower	study of the e l apparatus, e ring their ener	energy ma energy infr gy costs,	anagement principles in astructure systems, with improving their conditions	buildings, industry a the goal of improvin s in production proces	and other co g the current sses and sec	mpanies, t state by curing the	
4. Teac	ning methods:									
Verbal r	nethod – visua	al method -	- practical me	practical method						
				Knowledge evaluation (maximum 100 points)						
	Pre-examina	tion obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Exercise	e attendance			Yes 5.00 Oral part of the exam				Yes	70.00	
Lecture	attendance			Yes 5.00						
Test				Yes	10.00					
Test				Yes	10.00					
					Liter	ature				
Ord.	А	uthor	Title Publisher			Year				
1,	Zoran K. Mor Gvozdenac	vay, Dušai	n D. Appli Mana	D. Applied Industrial Energy and Environmen Management			Wiley		2008	
2,	Eastop		Ener	gy Efficiency for	or Engine	ers and Technologists	Croft, Longman Scientic& 200x		200x	
3,	Wayne C. Tu	Irner	Ener	gy Manageme	nt Handbo	ook	The Fairmont Press	, Inc.	2005	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:				Design and Planning in Environmental Engineering						
Course	id:	Z401B		Design and Planning in Environmental Engineering						
Number	of ECTS:	7	N 411 11 N 1	ihajlov N. Anđelka, Ubavin M. Dejan, Vujić V. Goran						
Teache	rs:		Minajiov N	. Andelka, Ubav	/in IVI. Deja	jan, vu	IJIC V. Goran			
Course	status:		Mandatory	1						
Number	of active teac	hing classe	s (weekly)	011 1			01.1			
	ectures:	Practical	classes:	Other teach	ng types:		Study resea	arch work:	Other cla	isses:
Desser	3	3		U			0		2	
Precond	ition courses			INONE						
Enabling the cha previou particip	ational goal. g students to p racteristics of sly acquired l ate in designi	articipate a the enviro knowledge ng ecolog	and make d onmental p and interp ical project	esigns in the fie rotection neces pretation of law ts.	eld of envir ssary for i regulatio	ironme unders ions ar	ental protection. The standing and creat nd knowledge from	course objective is t ing designs of this n this course, stude	o introduce st sort. By appli nts should b	udents to ication of e able to
2. Educ	ational outcom	ies (acquire	ed knowled	nowledge):						
Acquire designs Impact diligenc	d knowledge s in the field of assessment c e. Cadastre c	should ena environme on the livin of pollutant	ble student ntal engine g environm s and usin	ts to understan eering. By mast nent, Risk asse g additional kn	d the char ering the essment o owledge	aracter course of cher studer	of ecological proje e, students should mical accidents on nts will be able to	cts and to be able to understand the chara the living environm participate in desigr	o participate in acter of projection lient, Environr ning such pro	n making cts in full: nent due ojects.
3. Cours	se content/stru	cture:								
Theoret 14000, Risk as the theo student	ical knowledge Impact assess sessment of cl pretical lecture s are trained	e: Cadastre ment on th nemical acc es are elal to work or	e of pollutar e living env cidents, Ris porated. St software	nts, Local ecolo rironment, Strat sk assessment t udents particip tools for differe	gical and egic impace for human pate in mate ant types	l action act asse n healt aking s of cal	n plan, Characteriza essment on the livir h. Practical lectures projects on numer lculations and simu	ition and history of e ng environment, Envi s: During Practice ad ous examples. Duri ulations necessary f	cological proj ronment due lequate exam ng computer for designing	ects, ISO diligence, ples from practice, projects.
4. Teac	hing methods:									<u> </u>
Lecture colloqui and its a in this f assessr both co examina is writte	s, Auditory Pr ums: Colloqui application, Im ield, Strategic nent of human illoquiums are ation are elimin on and oral pa	ractice, Co um I – Cad pact assess impact ass health. Stu written. F natory. The	mputer Pra astre of po sment on th sessment; udents who Final part of e course gra	actice and Con Ilutants and its ne living environ Colloquium II - don't pass one of the examina ade is formed b	sultations impact or ment in th Environ of the co tion is or ased on th	s. Writ n desig he EU nment olloquiu ral. Du the suc	tten part of the exa gning all other ecolo framework and in a due diligence, Risl ums have to take th uring examination ccess at the colloqu	imination can be tal ogical project, Local ccordance with positi < assessment of che e entire written exam passed colloquiums iums, term paper (pa	ken in the for ecological ac ive Serbian re emical accide hination. Exam s or the entir aper and defe	m of two tion plan, gulations nts, Risk nination – e written ense) that
				Knowledge	evaluation	n (maxi	imum 100 points)			
	Pre-examina	ition obligat	ions	Mandatory	Points	Ì	Final ex	kam	Mandatory	Points
Exercise	e attendance			Yes	5.00	Writte	en part of the exam	- tasks and theory	Yes	60.00
Lecture	attendance			Yes	5.00	Oral p	part of the exam		Yes	10.00
Test			Yes 10.00							
Test			Yes 10.00							
			Literature							
Ord.	A	uthor	Title Publisher Ye			Year				
1,	Ed. David H	/ujic, G., F: Liu & Be	Procena opasnosti od hemijskog udesa Skripta, interno izdanje FTN 2009			2005				
2,	Liptak	, <u></u> a Do	Environmental Engineer's Handbook Boca Raton: CRC Press LLC 1999			1999				
3,	Goran Vujić,	et all.	Priručnik za izradu procene stanja životne sredine pri investicionim operacijama (EDD. Pro. Ut. P.R.) P FTN Novi Sad 2002			2002				
4,	UNESKO		Met Env dev	investicionim operacijama (EDD, Pro. Ut. P.R.) P Protection of the integrated Metodologicac guideelines for the integrated Environmental evaluation of water resources Paris 1987				1987		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:					-				
Course i	d:	ZCP01			ŀ	Proffesional Pra	ictice		
Number	of ECTS:	3							
Teacher	s:								
Course s	status:		Mandator	у					
Number	of active teac	hing classe	s (weekly))					
Le	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:
	0	0		0		0		4	
Precond	ition courses			None					
1. Educa	ational goal:								
Acquiring is trained	g practical kno d for, and pos	owledge ab sibilities of p	out functic practical a	oning and organiz	ation of th	e companies and institut juired knowledge.	ions dealing with the	profession th	e student
2. Educa	ational outcom	ies (acquire	d knowled	knowledge):					
Enabling problems methods	g students to s within the c s, to the mana	apply prev hose compa agement an	viously ac any or insl d place ar	equired theoretic titution. Introduci nd role of engine	al and pro ng studen ering in the	ofessional knowledge fits to the jobs of the chose eir organizational structure	or solving specific, sen company or insti ires.	practical, enguination, to the	gineering operating
3. Cours	e content/stru	cture:							
It is form done, ar	ned for each and in accorda	student ind nce with th	ividually ir e needs c	n agreement with of the profession	n the comp student is	pany or institution mana being trained for.	gement where the p	rofessional p	ractice is
4. Teach	ning methods:								
Consulta practice.	ations and wri	ting of the p	profession	al practice journa	I where th	e student describes activ	vities and jobs done o	during the pro	ofessional
				Knowledge e	valuation	(maximum 100 points)			
	Pre-examina	tion obligat	ions	Mandatory	Points	Final ex	xam	Mandatory	Points
Project				Yes	50.00	Oral part of the exam		Yes	50.00
					Litera	ature			
Ord.	А	uthor	Title Publisher Year			Year			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:											
Course	id:	M3041	Cogeneration facilities								
Number	of ECTS:	4		latrović P. Jovan							
Teache	r:		Petrović R.	Jovan							
Course	status:		Elective								
Number	of active teac	hing classe	es (weekly)								
L	ectures:	Practical	classes:	Other teaching	ng types:	Study resea	arch work:	Other cla	asses:		
	2	2	2	0		0		0			
Precond	dition courses			None							
1. Educ	ational goal:										
Student efficient user. Th the imp	s will be thoug use of fuel en his is especiall act on its total	ght to: indiv hergy poten ly highlighte growth.	idually reseat itials, impact ad from the s	arch cogenerat on ecology, eo standpoint of th	ion facilitio conomy an ne cogene	es, global understanding nd the development and eration facilities variety, lo	and the importance of the best possible supong term energy deve	of cogeneration oply for the er elopment plar	on for the nd energy nning and		
2. Educ	ational outcom	nes (acquire	ed knowledg	e):							
Masterii	ng the knowled	dge of vario	ous types of	cogeneration, f	acilities ty	pes and their integration	in the energy system	S.			
3. Cours	se content/stru	icture:									
Subject balance	is studies cog in the enviro	generation nment, pla	principles, r ce and impo	principles, meaning of the cogeneration I correlation with energy balance and preserving the existing ce and importance of cogeneration in building, industry and other companies energetics.							
4. Teac	hing methods:										
Verbal r	method – visua	al method –	practical me	ethod.							
				Knowledge e	valuation	(maximum 100 points)					
	Pre-examina	ation obligation	tions	Mandatory	Points	Final e	xam	Mandatory	Points		
Exercise	e attendance			Yes	5.00	Oral part of the exam		Yes	70.00		
Lecture	attendance			Yes	5.00						
Test				Yes	10.00						
Test											
Ord	Δ	withor	Title Publisher Year								
1,	Griffits, R. T.		Com	bined Heat and	d Power	·	Energy Publications	S,	1995		
2,	Raya A. K., S	Sriastava A	. P., Pow	er Plan Engine	ering		New Age Intrenatin	al	2006		
3.	Paul Breeze		Pow	er Generation ⁻	- Fechnolog	lies	Elsevier. Burlington	1	2006		
4,	Grković V.		Tehnološke osnove regulisanja parnih turbina za Futura publikacije 1995					1995			
5,	M. Pehnt, M. Fischer, B. P Schneider, K JP. Voß	Cames, C. Praetorius, L Schumac	. Micro her, Syste	o Cogeneratior ems	ı - Toward	Is Decentralized Energy	Springer - Verlag B Heidelberg	erlin	2006		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course: Construction in energy and process engineering Course id: M3517 Number of ECTS: 6 Teachers: Spasojević Đ. Momčilo, Đaković D. Damir, Sokolović S. Dunja Course status: Elective Number of active teaching classes (weekly) Other teaching types: Study research work: Lectures: Practical classes: Other classes: 3 3 0 0 Precondition courses None 1. Educational goal: Basic terms and methods of construction in energy and process science will be learned. 2. Educational outcomes (acquired knowledge): Graduating students are prepared to work in a design office, on installations on energy and process equipment and in production of energy and process equipment. 3. Course content/structure: Students are familiarized with the elements of construction and design. Stages of facilities development. Basic laws, regulative and standards in design and construction in energy and process science. Types of projects and the scope individual projects. Tender documentation and the basic contract elements corresponding to development of technical documentation. Specific project elements: project problem, technical description, general and technical conditions, specific elements of construction calculations, graphical representation, study of safety at work. Specific elements of construction calculations: Class of container and apparatus selection, material selection, construction revaluation coefficients, mechanical sizing, sizing the strengthening, sizing the safety equipment, sizing the welding and construction inspection. Montage of energy and process equipment. 4. Teaching methods: Verbal method - visual method - practical method. Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Exercise attendance 5.00 Coloquium exam No Yes Graphic paper 20.00 Theoretical part of the exam Yes Yes Lecture attendance Yes 5.00 Oral part of the exam Yes Literature Ord Title Publisher Author M. Bogner Konstrukcije i proračuni procesnih aparata Mašinski fakultet beograd 1. M. Bogner Projektovanje termotehničkih i procesnih sistema 2 SMEITS Tehnološko metaluški fakultet, 3 S. Sedmak Priručnik za konstruisanje procesne opreme Beograd J. M. Coulson, J. F. Pergamon press, Oxford, New 4. Chemical engineering Richardson York M. Bogner, V. Vojnović, N. Standardi i propisi za stabilne i pokretne posude pod 5, Mašinski fakultet, Beograd Ivanović pritiskom

Points

0.00

60.00

10.00

Year

2004

2002

1994

1983

1993



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.2 Course	specification
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Course:										
Course id:	EZ400	Clean Energy Sources Design								
Number of ECTS:	4									
Teacher:		Katić A. Vla	adimir							
Course status:		Elective								
Number of active tea	ching classe	s (weekly)								
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:		
2	2		0		0		0			
Precondition courses	i		None							
1. Educational goal:										
The aim of the cours operation and use of plants (small hydro). through of master ke	e is that stu renewable The goal is y stages of	dents, on tl energy sour to be partly design.	he basis of prev rces, gain pract y familiar with a	viously acc ical knowl Il the tech	quired knowledge from the dge on design of power nical and non-technical n	ne concept of organize plants, especially of requirements of such	zation and m wind, solar a a project an	ethods of and hydro d to work		
2. Educational outcor	mes (acquire	ed knowledg	ge):							
Students will be able energy	to prepare	entire proje	ct of preliminary	/ design o	f a small power plant tha	t uses either energy	of wind, sola	r or hydro		
3. Course content/str	ucture:									
Introduction - concept the terms of reference instructions, and oth clean energy sources investment of time, d	et and types e. Technica er non-techn s. Techno-ec epending or	of clean en l requireme nical docun conomic an n rezličitih ir	ergy sources ar ents for design a nent. Methods o alysis of the pro nvestment sche	nd convers and conditi of determi oject and t mes.	sion capabilities into elec ions. Administrative requ ning the cost of constru he procedures for invest	tricity. The types of p irements and necess ction, exploitation an nent. Methods of det	projects and h sary approval d decommiss termining the	low to set s, rulings, sioning of return on		
4. Teaching methods	:									
Teaching methods include lecture and active student participation through discussion on a given topic, group and individual scientific research, processing, case studies, etc. Theoretical aspects and mathematical models will be presented at the lectures, while the practical work and simulation work to be done in the exercises. Independent student work will be reported in the preparation of project / case studies.										
			Knowledge e	evaluation	(maximum 100 points)					
Pre-examin	ation obligat	ions	Mandatory	Points	Final ex	kam	Mandatory	Points		
Exercise attendance			Yes	5.00	Written part of the exam	- tasks and theory	Yes	50.00		
Project defence			Yes	5.00						
Project task		Yes	30.00							
				Litera	ature					
Ord.	Author			Title		Publishe	er	Year		
1, V.Katić, I.Ka V.Fuštić	apetanović,	Obn	novljivi izvori ele	ktrične en	ergije	TEMPUS-JADES, F tehničkih nauka, No	akultet	2007		
2, Edvards, D.		Ene	rgy trading and	investing		Mc Graw Hill Finan Investing	ce and	2010		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:										
Course	id:	M3451		Natural Gas and Oil Preparation Equipment						
Number	of ECTS:	6								
Teache			Vićević D. M	/larija						
Course	status:		Elective							
Number	of active teac	hing classe	es (weekly)							
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work: Other classe		isses:	
	3	2	2	1		0		0		
Precond	lition courses	-		None		•	•			
1. Educ	ational goal:									
Acquisi transpo	tion of knowler rtation (from	edge nece source to	essary for de gas/oil pipe	esign, work a elines).	nd mainte	enance of the equipme	nt for natural gas a	nd oil prepai	ration for	
2. Educ	ational outcom	nes (acquire	ed knowledge	e):						
Designi	ng equipment	for natural	gas and oil p	reparation.						
3. Cours	se content/stru	icture:								
Basic co charact natural separat drying n	oncepts and e eristics and n gas. Equipmer ion of sulfur an atural gas. Ec	equipment ecessary s nt for dehyo nd CO2 fro quipment fo	for natural g pecifications dration of the m natural ga pr intensificat	as and oil pre s of natural ga raw oil. Equip is. Issues of ac ion of process	paration f is and oil. ment for s cid gas an es in the g	or transportation. Basic Equipment for separatic eparation of condensate, d equipment for purificat gas and oil technique. Fo	calculations, physica on of gas from raw o traces of water, sepa ion and removal of a ssil fuels and biofuel	al and thermo il and compr aration of liqu cid gas. Equi s (introductio	odynamic ession of id oil gas, pment for n).	
4. Teac	ning methods:									
Lecture	s, auditory pra	ctice, labor	atory practice	e, consultation	S.					
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ation obliga	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	
Lecture	attendance			Yes	5.00					
Present	ation			Yes	10.00					
1651				Yes	litor	aturo				
						Publishe	ər	Year		
1	A J Kidnav	William Pa	rrish Fund	rrish Eundamentals of Natural Gas Processing			CRC Press		2006	
2,	Mirko Zelić		Tehn	Tehnologija sabiranja i pripreme nafte i plina za			INA-Naftaplin, Zagreb 1		1987	
3,	A. H. Younge	er	Natur Part	ral Gas Proces I, Part II	ssing Princ	ciples and Technology,	University of Calgar	ry	2004	
4,	Marija Vićevi	ć	Opre	ma za priprem	u prirodno	og gasa i nafte	U pripremi		2012	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:											
Course id:	EE418]	Electric Motor Drives								
Number of ECTS:	4		eftenić I. Borislav								
Teacher:		Jeftenić I	eftenić I. Borislav								
Course status:		Elective									
Number of active teaching classes (weekly)											
Lectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:			
2		2	0		0		0				
Precondition course	es	-	None								
1. Educational goal:	:										
The aims of the course are: 1. To understand the basic concepts of an electric motor drives. 2. To provide a general approach to an understanding of the performance and control techniques of various electric motor drive systems. 2. To understand characteristics and operating principle of power converters for feeding electric motor drives.											
2. Educational outco	omes (acquir	ed knowle	dge):								
Upon successful completion of this course, students will be able to: 1. Recognize the structure of electric drive systems in various applications. 2. Analyze systems with electric drives. 3. Analyze the performance of electrical machines in different modes of operation. 4. Evaluate the power and torque requirements placed by mechanical systems on electric drives. 5. Specify appropriate power electronic converters in drive applications. 6. Solve various electric motor drive problems.											
3. Course content/s	tructure:										
Introduction. Classification of electric motor drives. Basic elements of an electric motor drives. Static and dynamic conditions of a drive system. Stability considerations of electrical drive. Selection of drive motors with regard to load conditions. D.C. motor drives: separately excited D.C. motor and series D.C. motor. Mathematical model of D.C. motor drives, mechanical characteristics, transient analysis, equivalent circuits. Speed control of separately excited D.C. and series motors. Armature and field control. Breaking of D.C. motor drives, mechanical characteristics, transient analysis, equivalent circuit. Speed control of separately excited D.C. and series motors. Mathematical modeling of induction motor drives, mechanical characteristics, transient analysis, equivalent circuit. Speed control of induction motor drives, mechanical characteristics, transient analysis, equivalent circuit. Speed control of induction motors. V/f controlled induction motors, PWM inverter drives - VSI & CSI fed motors, field oriented control, direct torque control. Breaking of induction motor drives. A general survey of converters for feeding induction motor drives of electrical drive technologies used in industrial systems: Hoists, elevators, and environmetare and environmetare and environmetare and environmetare and environmetare and environmetare.											
4. Teaching method	ls:										
Lectures, Exercises	i.										
			Knowledge e	evaluation	(maximum 100 points)						
Pre-exami	ination obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points			
Exercise attendance	e		Yes	5.00	Written part of the exam	- tasks and theory	Yes	70.00			
Homework			Yes	5.00							
Homework			Yes	5.00							
Homework			Yes	5.00							
Homework			Yes	5.00							
Lecture attendance			Yes	5.00							
	Literature										
Ord.	Author			Title		Publish	er	Year			
1, V. Vučkovi	ć	El	ektrični pogoni			Akademska misao	, Beograd	2002			
B. Jeftenić 2, Mitrović, Đ Petronije	, M. Bebić, N . Oros, M.	El	ektromotorni pog	oni - zbirk	a rešenih zadataka	Akademska misao	, Beograd	2003			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:									
Course	id:	1079	Modern Energy Technologies						
Number	of ECTS:	5							
Teache	rs:		Đaković D	. Damir, Petrovi	ć R. Jovar	n, Gvozdenac Urošević D	. Branka, Jovanović S	S. Aleksandar	
Course	status:		Elective						
Number	of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	isses:
	3	2	2	0		0		0	
Precond	lition courses		-	None					
1. Educ	ational goal:								
Training technolo efficienc	of students fo ogies, overvie cy increase, se	or systema w of intere ecurity of s	tic study of sts and imp supply, envi	modern energy portance of mod ironmental, eco	technolog lern energ nomic and	ies, overview of general y technologies for indus sociological conditions.	interests and justifica trial enterprise from t	ition of model the aspects o	n energy f: energy
2. Educ	ational outcom	nes (acquir	ed knowled	ge):					
Acquire enterpri	d knowledge v ses, the impac	will enable ct on overa	the engine all production	er to understant	d the reas vironment	ons for the introduction on , as well as the overall e	of modern energy tec nterprise prosperity.	hnologies in	industrial
3. Cours	se content/stru	icture:							
Energy energy technolo heat, most the post	technologies, technologies o ogies for trans odern technolo sibilities of app	energy effi on transfor formation ogies for e plication of	ciency and mation effi of primary nergy depo modern en	environmental p ciency, modern energy into ele- sit toward to inc ergy technologi	protection, technolog ctrical energians crease of e es in man	the necessity of transfor gies for transformation o ergy, modern technologie energy efficiency and cos ufacturing processes and	mation of primary en f primary energy into es for coupled produ- t reduction for purch d providing working a	ergy and the heat energy ction of elect ase of primar ind living com	impact of , modern ricity and y energy, ifort.
4. Teac	ning methods:								
Lecture: addition	s, seminar and al oral exam.	d consultati	ion. The ex	am can be pass	ed only th	rough the elaboration and	d seminar defense or	, if necessary	, through
				Knowledge e	evaluation	(maximum 100 points)		_	
	Pre-examina	tion obliga	tions	Mandatory	Points	Final e	kam	Mandatory	Points
Exercise	e attendance			Yes	5.00	Oral part of the exam		Yes	60.00
Lecture	attendance			Yes	5.00				
Term pa	aper			Yes	30.00				
					Liter	ature			
Ord.	A	uthor	Title			Publishe	er	Year	
1,	Europan Con	nission		egrated Pollution	Prevent a	and Control	EU	Enormy	2003
2,	Washington		Effi	ciency and Ren	ent, Prepa ewable En	nergy	Washington	Energy	2003
3,	CHP Club		The Sys	e Managers Guio stems	de to Com	bined Heat and Power	Crown		2000



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.2 Course	specification
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Course:			Life cycle optimisation of the energy and process equipment						
Course	id:	M3045		ine cycle optimisation of the energy and process equipme					
Number	of ECTS:	4							
Teache	r:		Jovanović S	S. Aleksandar					
Course	status:		Mandatory						
Number	of active teac	hing classe	es (weekly)						
L	ectures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	isses:
	2	2	2	0		0		0	
Precon	dition courses			None					
1. Educ	ational goal:			-					
Subject calculat	teaches stude	ents in area ycle optimi	as of: desigr zation and r	n, operation and risk assessmen	d mainten it.	ance, thermo-energy fac	ilities and process ec	quipment in th	ne field of
2. Educ	ational outcom	es (acquire	ed knowledg	je):					
Basic k knowle	nowledge abo dge about pro	out materia ject definit	l degradatio	on processes a tions and life c	and comp ycle estin	onent life cycle spenditunates and risk determinates	ure in energy and pr ation.	ocess faciliti	es, detail
3. Cour	se content/stru	cture:							
Principl failure a the mac mainter	es of project d and possible e hine compone ance.	efinition an quipment t ent tensions	nd life cycle roubles. Life s. Life cycle	assessment of e cycle in corre assessment –	the complation with	ponents from energy and n material crawling and n and example. Principles	process facilities. Ponterial exhaustion. Naterial exhaustion. Naterial exhaustion. Naterial example in risk	ossible mecha /arious calcu determinatior	anisms of lations of n. Uses in
4. Teac	hing methods:								
Verbal r	method – visua	al method –	practical m	ethod.					
				Knowledge e	valuation	(maximum 100 points)		_	
	Pre-examina	tion obligat	tions	Mandatory	Points	Final ex	kam	Mandatory	Points
Exercis	e attendance			Yes	5.00	Written part of the exam	 tasks and theory 	Yes	70.00
Graphic	paper			Yes	20.00				
Lecture	attendance			Yes	5.00				
					Liter	ature			
Ord.	A	uthor			Title		Publishe	er	Year
1,	Grković V. i J	lovanović A	tehn	noenergetska p ologija rada i u	pravljanje	i – projektovanje, rizicima	FTN Izdavaštvo, No	ovi Sad	2012
2,	Grković V. i J	lovanović A	. Tern	noenergetska p	ostrojenja	a – procesi i oprema	FTN Izdavaštvo, No	ovi Sad	2010



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.	2 Course	specification
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Course:											
Course	id:	ZC047				Was	ste to energy te	hnologies			
Number	of ECTS:	6									
Teache	rs:		Sakulski	akulski M. Dušan, Štrbac D. Dragana, Ubavin M. Dejan, Vujić V. Goran							
Course	status:		Mandato	ory							
Number	of active teac	hing classe	es (weekly	y)							
L	ectures:	Practical	classes:	0	ther teachi	ng types:	Study rese	earch work:	Other cla	asses:	
	3	2	2		1			0	0		
Precond	dition courses	-		-	None		-				
1. Educ	ational goal:				-						
Qualifyi the cou technol	Qualifying students for considering the whole cycle of waste management and troubleshooting of the waste to energy segment. Goal of the course is to enable solving the problems of waste management with energy utilization based on analysis of basic and new technologies										
2. Educ	ational outcom	nes (acquire	ed knowle	edge):							
Student energy.	s gain the neo Students will	cessary kno be able to	owledge t do analys	to solve sis, des	e specific p sign and o	problems of ptimization	of optimum solutions se n of waste treatment fac	ection of waste utiliz ility.	ation in order	to obtain	
3. Cours	se content/stru	icture:									
Theoret waste, manage	tical study: Th waste utilizati ement	e concept on technol	of waste, ogies, me	quanti echani	ities and co cal-biologi	ompositio cal waste	n of municipal solid was treatment, anaerobic c	te, National and EU igestion, combustion	legislation, di n of waste, la	sposal of ndfill gas	
Practica manage landfill e	al lessons: At ement: waste energy potent	the exercis manageme ial.	es examp ent systen	ples ar ns plar	e processe nning, worł	ed where a k on softw	students are trained to s are tools for landfill gas	solve specific probler production modelin	ms in the field g and determ	of waste ination of	
4. Teac	hing methods:										
Lectures, auditory exercises, computer exercises and consultations. At the lectures, theoretical part of teaching material followed by appropriate practical examples for easy understanding and adoption of material. The auditory exercises deal with teaching material in detail with active student participation. At computer exercises software tools are used to simulate the processes within the landfill. Beside lectures and exercises, consultations are held on a regular basis. written part of the examination may be taken through the form of two colloquia											
				K	nowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ation obliga	tions	Ν	Mandatory	Points	Final e	exam	Mandatory	Points	
Exercise	e attendance				Yes	5.00	Written part of the exam	- tasks and theory	Yes	70.00	
Lecture	attendance				Yes	5.00	Coloquium exam		No	20.00	
Test					Yes	10.00	Coloquium exam		No	20.00	
Test					Yes	10.00					
						Liter	ature	1			
Ord.						Title		Publish	er	Year	
1,	Stanisavljevi	ávin, D., <u>ć, N., Batin</u>	ić, B. U	pravlja	nje otpadoi	m u zemlja	ama u razvoju	FTN		2012	
2,	Marina R. Ilić	ć, Saša R. I	Viletić O	snovi u	upravljanja	čvrstim ot	padom	Institut za ispitivan	je materijala	1998	
3,	Grupa autora	a	S1 20	trategij 019. go	a upravljan odine	ija otpado	m za period 2010. –	Ministarstvo životn rudarstva i prostori planiranja Republik	e sredine, nog ke Srbije	2012	


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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.2 Course specification

Course:							
Course id:	Z408			Bachelor Thesis			
Number of ECTS:	15						
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	0)	0	0	10		
Precondition courses			None				
1. Educational goal:							
Application of basic, acquired knowledge and methods in solving specific problems within the chosen field. The student studies the problem, its structure and complexity, and based on the conducted analysis makes conclusions about possible ways of solving it. By studying the literature, the student is introduced to the methods of solving similar problems and to the practice in solving them. Acquiring knowledge about the way, structure and form of report-writing, after conducting analysis and other activities carried out within the given Bachelor Thesis topic. By writing the Bachelor Thesis, students gain experience in paper writing which requires problem description, methodology and procedures, and obtained results. Besides, the objective of writing and defending the Bachelor Thesis is to develop student ability to prepare and publically present results of their independent work in the adequate form, as well as to answer the objections and questions related to the given topic.							
3. Course content/stru	icture:						
It is formed individually in accordance with the needs and the field covered by the Bachelor Thesis topic. The student writes Bachelor Thesis in the written form in agreement with the mentor and in accordance with the standards of the Faculty of Technical Sciences. The student prepares and defends the Bachelor Thesis publically in agreement with the mentor and in accordance with the standards. The student studies professional literature, professional and Bachelor thesis of the students dealing with similar topics, and conducts analysis with an objective to find out the solution to the specific problem defined in the Bachelor Thesis.							
4. Teaching methods:							
Bachelor Thesis mentor sets the Bachelor Thesis problem and gives it to the student. The student is obliged to write the Bachelor Thesis within the given topic defined by the Bachelor Thesis problem. During writing the Bachelor Thesis, mentor can give additional instructions to the student, suggest certain literature and additionally guide him with an objective to create a quality Bachelor Thesis. Within the theoretical part of the Bachelor Thesis, the student has consultations with the mentor, and with other professors dealing with problems in the field of the Bachelor Thesis topic, if needed. Within the given topic, the student executes certain measurements, testing, counting, questionnaires and other research, if necessary. The student writes the Bachelor Thesis and gives the bounded examples to the board after gaining consent from the board for assessment and defense. Defense of the Bachelor Thesis is public and the student is obliged to orally answer the questions and objections							
Knowledge evaluation (maximum 100 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			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course:	Course: Heating Ventilation and					in Oonditionin			
Course	id: M3048		неа	ting, v	entilation and A	Ir-Conditionir	ng		
Number	of ECTS: 6								
Teache	r:	Bjelaković	M. Radivoje						
Course	status:	Elective							
Number	of active teaching classe	s (weekly)							
L	ectures: Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:	
	3 1		2		0		0		
Precond	dition courses		None		•				
1. Educational goal:									
Develop conditio	oment of engineering app ning.	roach in de	esign and impler	mentation	of installations and plants	s in the field of heatin	g, ventilatior	n and air –	
2. Educ	ational outcomes (acquire	ed knowled	lge):						
Acquisit The use	tion of knowledge for des e of acquired knowledge	ign and im n further e	plementation of ducation and pr	installatio actice.	ns and plants in the field	of heating, ventilatio	n and air-co	nditioning.	
3. Cours	se content/structure:								
Externa central and the system. systems of air pr conditio	External and internal climate conditions. Room climate. Selection of internal designing conditions. Calculation of heat loss. Systems of central heating. Classification of systems. Calculation and selection of the heating bodies. Calculation of the pipe network. Boiler room and the heating room: types, heating schemes, calculations and selection of equipment. Central heating system control. Ventilation systems. System classification. Ventilation chamber. Air ducts. Calculation and selection of ventilation plant equipment. Air conditioning plants and air conditioning equipment. Calculation of heat gain. Thermal calculation of air preparation process for summer and winter mode of air conditioning. Calculation and selection of the air conditioning equipment. Air								
4. Teaching methods: Lectures, Practice, Consultations, Visits to the installations and plants. During lectures theoretical part of the course is presented followed									
by exan computi practice	nples of the designed or ing examples are done re are given. Consultation doe in the course, twoica	implement lated to the s are also installatio	ted solutions in e lectured know done during ma ns and plants a	the praction ledge. Dur king design re visited	ce. Practice accompanie ring consultations addition ons and term papers. In o	s lectures where lab nal explanations relat order to better under	oratory exer ted to the lec stand and a	cises and ctures and cquire full	
	<u></u>	inotanatio	Knowledge	evaluation	(maximum 100 points)				
	Pre-examination obligation	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Exercise	e attendance		Yes	5.00	Written part of the exam	- tasks and theory	Yes	35.00	
Lecture	attendance		Yes	5.00	Oral part of the exam		Yes	35.00	
Term pa	aper		Yes	20.00					
				Litera	ature				
Ord.	Author			Title		Publishe	er	Year	
1,	B. Todorović	Pro	ojektovanje postr	ojenja za (centralno grejanje	Mašinski fakultet, B	eograd	2009	
2,	B. Todorović	Klir	matizacija			SMEITS,Beograd		2009	
3,	B. Todorović, M. Milinko Đapa	^{IVIC -} Ra:	zvod vazduha u	klimatizac	ionim sistemima	SMEITS,Beograd		2010	
4,	S. Zrnić, Ž. Ćulum	Gre	ejanje i klimatiza	cija		Naučna knjiga, Beo	grad	1995	
5,	A. Đorđević	Pro	ojektovanje klima	instalacija	a	Tehnička knjiga, Be	ograd	1967	
6,	Reknagel, Sprenger, Schramek, Čeperković	Gre	ejanje i klimatiza	cija		Građevinska knjiga,	, Beograd	2005	
7,	R. Howell, W. Coad, H.	Sauer Prir 6th	nciples of Heatin ed.	ig, Ventilat	ting and Air Conditioning,	ASHRAE, Atlanta, L	JSA	2009	
8,	J. Spitler	Loa	Load Calculation Application Manual ASHR				JSA	2010	
9,	Bez autora	AS	HRAE Handboo	k-HVAC A	pplications	ASHRAE, Atlanta, L	JSA	2011	
10,	Bez autora	AS	HRAE Handboo	k-Refriger	ation	ASHRAE, Atlanta, L	JSA	2010	
11,	Bez autora	AS			entals	ASHRAE, Atlanta, L	JSA	2009	
12,	Dez autora	AS			Systems and Equipment	ASTRAE, Aliania, L	JSA	2000	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.2 Course specification

Course:										
Course id	d:	Z304A			Prop	pagation of distu	urbances			
Number of	of ECTS:	6								
Teachers	5:		Đurić N. S	lavko, Spasojev	rić Đ. Morr	ıčilo				
Course st	tatus:		Elective							
Number of	of active teac	hing classe	es (weekly)							
Leo	ctures:	Practical	classes:	Other teachi	ng types:	Study resea	arch work:	Other cla	asses:	
	3	3	3	0		0		0		
Precondit	tion courses		-							
1. Educat	tional goal:									
Enabling disturban	students to a ices.	acquire the	oretical and	l practical know	ledge (thr	ough a series of computa	itional examples) in t	he field of pro	opagation	
2. Educat	tional outcom	ies (acquire	ed knowled	ge):						
Acquired and using	knowledge a g them effect	a student n ively in sol	eeds to use ving variou	e in further educ s practical prob	cation and lems.	the application of knowle	edge gained in other	complement	ary areas	
3. Course	3. Course content/structure:									
ntroducto Conserva Continuo	ory definitions ation of mas ous discharge	s (target ite s. Current e from poir	ms, mather t diffusion f nt sources.	natical process from point sour Fundamentals	models, b rces. Bou of turbule	ooundary conditions and s ndary conditions. Conve nt flow. Tangential stres	solving method). Op ection and diffusion s and dispersion. Re	[these diffusion current poir eactions and	on model. It source. changes.	
4. Teachi	ing methods:									
Lectures, grupama, accompa the exam	, Numerical .Na lectures, nying the lec the student	calculation theoretical tures are ty must meet	exercises, part of the ypical work the prerequ	seminars, con curriculum follo tasks and pract uisites given to	sultations wed by typ ices. In ac regularly a	. Lectures are combined bical examples for better r ddition to lectures and ex- attend lectures and exerc	and performed the azumavanja exposed ercises regularly consistent ises, complete a term	work with st d gradiva.Na sulted. In ord n paper.	udents in exercises er to take	
				Knowledge e	evaluation	(maximum 100 points)				
	Pre-examina	ition obliga	tions	Mandatory	Points	Final ex	kam	Mandatory	Points	
Exercise	attendance			Yes	5.00	Written part of the exam	- tasks and theory	Yes	70.00	
Lecture a	attendance			Yes	5.00					
тепп рар				Yes	20.00	aturo				
Ord	^	uthor			Title		Publish	or	Voar	
1,	Mirjana Vojin Maša Bukuro Tašin S	ovi" Milora ov, Sloboda	dov, an Ras	Rasprostiranje poremećaja skripta FTN, Novi Sd		21	2006			
2,	Konstantin V	oronjec,	Mel	hanika fluida			Građevinska knjiga		1973	
3,	Ejup Ganić		Pre	nos toplote, ma	se i količir	ne kretanja - skripta	MET fondacija Sara	ajevo	2003	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Course: Monitoring of the Living Environment Course id: Z204A Number of ECTS: 6 Teachers: Mihajlov N. Anđelka, Vujić V. Goran Course status: Elective Number of active teaching classes (weekly) Lectures: Practical classes: Study research work: Other classes: Other teaching types: 3 0 3 0 0 Precondition courses None 1. Educational goal: Acquiring knowledge about the basic principles of the living environment monitoring system functioning, and physical-chemical processes in different media of the living environment in order to precisely determine representative pollutants. 2. Educational outcomes (acquired knowledge): Acquired knowledge enables students to understand the state of the living environment and to understand results obtained in the monitoring systems in order to determine the cause of pollution. 3. Course content/structure: Regulations in the field of air, water, wastewater and other parts of the environmental monitoring. Characteristics of the pollutants in the air, water... Monitoring of emissions of industrial pollutants, monitoring of standard pollutants (SO2, Nox, CO2, CO), suspended particles, carbon black, monitoring of metal emissions, monitoring of specific pollutants. Monitoring of industrial pollutants in the emission (ambient air), monitoring by standard methods of pollutants (SO2, Nox, CO2, CO), suspended particles, carbon black, monitoring of metal emissions. Monitoring of specific pollutants in the emission, Characteristics of air monitoring using continuous automatic stations, monitoring air in the room. Bioindicators for examining the state of human health and ecosystem vulnerability, Biological indicators in the program of the living environment monitoring. Qualitative data analysis in the biomonitoring of non-ionizing and ionizing radiation. 4. Teaching methods: Lectures, Practice, Consultations. The written part of the examination can be taken through two colloquiums: Colloquium I: Regulations, Characteristics of pollutants, Monitoring of emissions of industrial pollutants, Monitoring of standard pollutants II: Monitoring of specific pollutants in the emission. Characteristics of air monitoring using continuous automatic stations and monitoring air in the room, vulnerability of ecosystem, bioindicators for examining the state of the human health and ecosystem vulnerability, Biological indicators in the program of the living environment monitoring. Qualitative data analysis in biomonitoring on non-ionizing and ionizing radiation. The final part of the examination is oral. Passed colloquiums or the written part of the examination are eliminatory on the examination. The course grade is formed based on the success at the colloquium, term paper (paper and defense) that is, the written and oral part of the examination Knowledge evaluation (maximum 100 points) Pre-examination obligations Mandatory Points Final exam Mandatory Points Exercise attendance 5.00 Written part of the exam - tasks and theory Yes 60.00 Yes Lecture attendance 5.00 20.00 Coloquium exam No Yes 10.00 Coloquium exam Test No 20.00 Yes Test 10.00 Oral part of the exam Yes 10.00 Yes Literature Title Publisher Ord Author Year Nicholas P. Cheremisinoff, Handbook of Air Pollution Prevention Prevention and 2002 1 Elsevier Science (USA) Ph.D., N&P Limited Control Upravljanje kvalitetom voda sa aspekta Okvirne PMF Novi Sad, Departman za 2, 2003 Božo Dalmacija direktive EU o vodama hemiju, Mala knjiga 3, M. V. Miloradov, T. Stajić Monitoring životne sredine - vežbe Skripta, interna skripta FTN 2006



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Table 5.2 Course specification

Course:									
Course	id:	ZC046				Energy strate	gy		
Number	of ECTS:	6							
Teache	r:		Gvozdena	ac Urošević D. B	ranka				
Course	status:		Elective						
Number	of active teac	hing classe	es (weekly))					
L	ectures:	Practical	classes:	Other teachi	ng types:	Study rese	arch work:	Other cla	asses:
	3	2	2	0		C)	0	
Precond	lition courses			None					
1. Educ	1. Educational goal:								
Energy areas o Student fundam energy	Energy undoubtedly has a strong influence on the national and regional economic and social development. This course covers many areas of energy, including oil and natural gas, coal, electricity, renewable energy, nuclear power, energy efficiency and climate change. Students will learn the basic tools used to analyze and assess options of strategic sectors. This points to the need to define the fundamental factors that drive the energy market, causing market turbulence, and run national and regional governments to control the energy market as a whole.								
2. Educ	ational outcom	es (acquire	ed knowled	lge):					
Student and ecc	s will acquire to nomic mecha	the necess nisms that	ary knowle	edge about the s t these strategie	structure o s.	of national and regional e	energy strategy and	meet the basi	c political
3. Cours	se content/stru	cture:							
energy energy operatic objectiv develop conside underst regulato efficien underst and nati	Energy strategy is the main document of the energy law and it is defined by long-term energy needs, and guide the development of energy sector. The main instrument of the energy strategy is energy policy which determines the priority directions of development in the energy sector and establish the program as the appropriate instrument, which enables the implementation of the key priorities in the work, operations and development of the whole energy system (in the sectors of energy production and consumption). There are three main objectives of the strategy: 1) security of energy supply, 2) the competitiveness of the energy system, and 3) sustainable energy development. Basic thematic sections of this course are to enable students to: define precisely the role of the state in the energy sector; considered national or regional energy system as an open system, ensure that the power sector based on market principles; allow to understand the energy sector as infrastructure, but also economic, export-oriented activities, the need to understand the legislative, regulatory and institutional framework to be agreed with the EU energy strategies, understand the need for a continual increase in energy efficiency in all energy sectors, understands the importance of maximum utilization of the available renewable energy sources to understand the concept of decentralized energy production system construction; integrates goals and environmental protection measures								
4. Teac	hing methods:								
Lecture	s. Auditory exe	ercises. Co	nsultation.						
				Knowledge e	evaluation	(maximum 100 points)			
	Pre-examina	tion obliga	tions	Mandatory	Points	Final e	xam	Mandatory	Points
Exercise	e attendance			Yes	5.00	Theoretical part of the ex	am	Yes	70.00
Lecture	attendance			Yes	5.00				
Term pa	aper			Yes	20.00				
					Liter	ature			
Ord.	A	uthor			Title)	Publish	er	Year
1,	Gvozdenac, I Urošević, B.	D., Gvozde	enac- En	ergetska strateg	ija (skripta	a)	FTN, Novi Sad		2012
2,	Morvay Z, G	vozdenac E	D. Ap Ma	plied Industrial E inagement	inergy and	Environmental	John Wiley & Sons press	s - IEEE	2008
3,	European Co	mmission	Co Eu Ec Of sus	mmunication Fro ropean Parliame onomic And Soc The Regions (A stainable and se	om The Co int, The Co ial Commi strategy fo cure energy	ommission To The ouncil, The European ittee And The Committee or competitive, gy)	European Commis Brussels, 10.11.20 COM(2010) 639 fir	sion, 10, na	2010



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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies



Standard 06. Programme Quality, Contemporaneity and International Compliance

Having in mind the specificity of Clean Energy Technologies' profession in Serbia and respecting the university experience of relevant institutions in the world which are being engaged in education of specialists in this profile for a long time, the Department of Environmental Engineering has established and defined the programme of multidisciplinary and interdisciplinary studies of Clean Energy Technologies, which study profile is recognized as a sublimation of university study programmes of the following institutions:

1.MEng/BEng in Electrical Engineering with Renewable Energy, School of Engineering, The University of Edinburgh

http://www.eng.ed.ac.uk/drupal/prospective/ug/eerenewables

2.Electrical Engineering and Renewable Energy Systems Meng, The University of Nottingham http://www.nottingham.ac.uk/ugstudy/courses/electricalandelectronicengineering/meng-electricalengineering-renewable-energy-systems.aspx

3.Renewable Energies - Energy Technology (Bachelor), University of Applied Sciences, Munich, Germany http://w3ee-n.hm.edu/bachelor/bachelor_regenerative_energien/index.de.html



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

Study Programme Accreditation

Clean Energy Technologies

Standard 07. Student Enrollment

UNDERGRADUATE ACADEMIC STUDIES

Faculty of Technical Sciences, in accordance with social demands and its material, human and technicaltechnological resources, enrolls certain number of budget- and self-financed students to the undergraduate academic studies in the study programme Clean Energy Technologies. This number is redefined each year by special decision of the founder. The selection of students and enrollment of the applied candidates is based on the previous success in education and achieved results at the entrance exam, as defined in the Regulations of Student Enrolment on Study Programmes.

Students from other corresponding study programmes, as well as graduates, can also enroll to the study programme Clean Energy Technologies. Special board (which consists of the chiefs of the departments involved in the realization of the study programme) evaluates all activities of the candidates for enrollment, and determines the year of study in which candidate is to be enrolled, based on the recognized number of credits. The courses passed at other study programmes may either be recognized in full or granted in part (Commission may require appropriate amendment) or recognized.



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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies



Standard 08. Student Evaluation and Progress

The final grade of the student in each course within this study programme is determined by continual monitoring of student work, achieved results and involvement of students during the academic year, and by final examination results.

The students master the study programme by taking examinations and thus obtaining a certain number of ECTS credits, in accordance with the study programme. Each course at the study programme has a set number of ECTS credits which students obtain on successfully passing the examination. The number of ECTS credits is determined based on the student work load in mastering certain course and by application of unique methodology of the Faculty of Technical Sciences for all study programmes. Students` success in mastering a certain course is constantly monitored during classes and is presented in points. Maximum number of points obtained in a course is 100.

Students obtain points from a course through their work during classes, fulfillment of their prerequisites and taking the examination. The minimum number of points which students can obtain by fulfillment of preexam obligations during the classes is 30, and the maximum is 70.

In addition, each course in the study programme has an explained and published manner of points acquisition. Method of points acquisition during the teaching process includes a number of points gained by the students' activities during classes or by completing prerequisites and passing the exam.

Student's final achievement at a course is presented using grades from 5 (fail) to 10 (excellent). 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.

The prerequisites are: lecture attendance, auditory, laboratory and/or computer practice, term papers, homework assignments, smaller professional projects, tests, etc. Additional conditions for taking the exam are separately defined for each course.

Advancement of students during education is defined by Regulations of Studying at Undergraduate Academic Studies.



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies



Standrad 9

For the realization of the study programme Clean Energy Technologies, there is the highly qualified faculty staff with necessary professional and scientific qualifications.

Number of teachers involved in the implementation of the study programmes of the undergraduate and master studies meet the needs of the study programmes and complies with the number of courses and number of hours at these courses. Total number of teachers is sufficient to cover the total number of hours on the study programme, so that the teacher realizes approximately 180 hours of teaching (lectures, consultations, exercises, practical work, ...) a year, or 6 hours per week. Out of the total number of teachers needed, one teacher is employed with 5% of working time, five teachers are from other faculties from the University of Novi Sad, one teacher in master and doctoral studies has been retired (according to the law which enables two years more for master and doctoral studies). Other teachers are full-time employees.

A number of associates meet the needs of the study programme. A number of associates in the study programme cover the total number of classes in the study programme of Clean Energy Technologies, so that staff achieves an average of 300 hours of exercises per year, or 10 hours of exercises per week.

Scientific and professional qualifications of teachers meet educational and scientific field, type and level of indebtedness. Each teacher has at least five references from the narrow scientific or professional teaching field in the study programme.

Group size for a lecture covers up to 180 students, a group of auditory exercises up to 60 students and lab groups up to 20 students.

All information about teachers and associates (CV, elections for the position, references) are publicly available and are presented in the book of teachers.



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	lame and last name:				Adžić Z. Nevenka			
Acad	lemic title:				Full Professo	ſ		
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
startı	ng date:				15.09.1978			
Scier	Scientific or art field:				Mathematics			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2002	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics	
PhD	thesis		1990	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Magi	ster thesis		1986	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
Bach	elor's thesis	S	1976	Faculty of Sciences - No	ovi Sad		Mathematical Sciences	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	E121	Mathe	matical Ana	Ilysis 2		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
	50044	N 4 - 41		hair O		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
2.	EZZIA	Mathe	matical Ana	IIYSIS 2		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
3.	GG10	Mathe	matical Met	hods 3		(G00) Civi	I Engineering, Undergraduate Academic Studies	
						(M20)Mee Undergrad	chanization and Construction Engineering, uate Academic Studies	
		M106 Mathematics 2				(M30) Energy and Process Engineering, Undergraduate Academic Studies		
4.	M106					(M40) Teo	hnical Mechanics and Technical Design,	
						(P00) Prod Studies	duction Engineering, Undergraduate Academic	
F	017	Matha	motion 2			(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
э.	5017	Mathe	matics 2			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
6	60212	Matha	matical Stat	liation		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
0.	50213	Mathe	matical Stat	listics		(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
7.	Z104	Mathe	matics 1			(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
8.	BMI91	Mathe	matics 1			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.	BMI92	Mathe	matics 2			(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
10.	E101A	Discre	te Mathema	atics		(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(I10) Indus Studies	strial Engineering, Undergraduate Academic	
11.	IM1012	Probal	oility and St	atistics		(I20) Engi Studies	neering Management, Undergraduate Academic	
						(P00) Production Engineering, Undergraduate Academic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

List of courses b	oing hold l	by the teache	r in the acc	croditod study	programmo
List of courses D	eing neia i	ov the teache	er in the acc	created study	programme

	ID	Course name	Study programme name, study type
			(M30) Energy and Process Engineering, Undergraduate
12.	IM1523	Discrete Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
13.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate 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 Chanters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies
10.	DZUTIW		(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
Rep	oresentative	e refferences (minimum 5, not more than 10)	
1.	N. Adzic,	On the spectral solution for boundary value problem, ZAMM	И 70,(1990) 6, Т647-Т649.
2.	V. Vrcelj, mathema	N. Adzic, Z. Uzelac: A numerical asymptotic solution for sin tics, Vol.39, (1991) 229-238.	ngular perturbation problems, International journal of computer
3.	N. Adzic: mathema	Modified hermite polynomials in the spectral approximation tical society, Vol.45, (1992) 267-276.<\eng>	for boundary layer problems, Bulletin of the Australian
4.	N. Adzic:	Spectral approximation for single turing point problem, ZAM	ИМ72(1992)6, Т621-Т624.
5.	N. Adzic:	Nonclassical orthogonal polynomials and singularly perturb	ped problems, ZAMM73(1993) 7/8, T868-T871.
6.	N. Adzic:	Spectral approximation and asymptotic behaviour of bound	lary layer problems, ZAMM74(1994)6, T-553-T555.
7.	N. Adzic, (1998), S	Z. Uzelac: A combination of spline and spectral approximat 853-S854	tion for a class of singularly perturbed problems, ZAMM78
8.	Z. Uzelad	c, N. Adzic: The Approximate Solution for Problems with Nor	nlocal Boundary Conditions, ZAMM79 (1999), S881-S882
9.	N. Adzic, S852	Z. Uzelac: On spectral approximation for some two-dimens	ional singularly perturbed problems, ZAMM79 (1999), S851-
10.	N. Adzic:	On the spectral approximation for singularly perturbed prob	olems,ZAMM 71(1991)6,T773-T776.



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

Study Programme Accreditation

Clean Energy Technologies

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nmarv nata to	ir toachor e	SCIENTITIC OF	arr ann n	magginnai	activity

UNDERGRADUATE ACADEMIC STUDIES

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



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	e and last n	ame:			Baloš S. Sebastian				
Acad	lemic title:				Assistant Pro	Assistant Professor			
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad				
starting date:					01.04.2001				
Scier	ntific or art f	ield:			Material Scie	Material Science and Engineering Materials			
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	ection:	2011	Faculty of Technical Sci	ences - Novi S	ad	Material Science and Engineering Materials		
PhD	thesis		2010	Faculty of Technical Sci	ences - Novi S	ad	Material Science and Engineering Materials		
Magi	ster thesis		2009	Faculty of Technical Sci	ences - Novi S	ad	Material Science and Engineering Materials		
Bach	elor's thesis	S	2000	Faculty of Technical Sci	ences - Novi S	ad	Material Science and Engineering Materials		
List c	of courses b	eing hel	d by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	gramme name, study type		
1.	P206	Weldin	ig Technolo	gy		(P00) Prod Studies	duction Engineering, Undergraduate Academic		
2.	P2406	Compo	osite Materi	als		(P00) Prod Studies	duction Engineering, Undergraduate Academic		
3.	P2409	Moder	n Joining Te	echnologies - 1		(P00) Prod Studies	duction Engineering, Undergraduate Academic		
4.	P2409A	Moder	n Joining Te	echnologies - 2		(P00) Prod Studies	duction Engineering, Undergraduate Academic		
5.	P4406	Joining	g Technolog	y of Modern Materials		(P00) Prod Studies	duction Engineering, Undergraduate Academic		
6.	II1001	Engineering materials				(110) Indus Studies	strial Engineering, Undergraduate Academic		
7.	M2062	Mechanical engineering technologies 2				(M20) Mea Undergrad (M40) Tec	chanization and Construction Engineering, uate Academic Studies chnical Mechanics and Technical Design,		
8.	M3203	Technology of machinery				(M30) Ene	ergy and Process Engineering, Undergraduate		
						(MR0) Me	asurement and Control Engineering.		
0	7003	Floctro	mochanica	Imatoriale		Undergrad	uate Academic Studies		
9.	20003	LIECUIC	mechanica	Thatenais		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
10.	P2501	Proces	s Design ir	Welding Technology		(PM0) Production Engineering, Master Academic Studies			
11.	BMIM4G	Biomat	terials			(BM0) Biomedical Engineering, Master Academic Studies			
12.	PPI106	Joining	g technologi	ies in precision engineerir	ng	(PM0) Production Engineering, Master Academic Studies			
13.	PTS01	Techno	ology of sin	tering		(PM0)Pro	duction Engineering, Master Academic Studies		
14.	DP001	Design Engine	and Resea	arch Methods in Productic	n	(M00) Meo	chanical Engineering, Doctoral Academic Studies		
15.	SAP002	Engine	ering Mate	rials		(M00) Med	chanical Engineering, Doctoral Academic Studies		
16.	DP023	Joining	g technologi	ies - selected topics		(M00) Med	chanical Engineering, Doctoral Academic Studies		
17.	DP024	Weldin	g technolog	gy - selected topics		(M00) Meo	chanical Engineering, Doctoral Academic Studies		
18.	DP025	Materi	ials Corrosi	on and Protection		(M00) Med	chanical Engineering, Doctoral Academic Studies		
Rep	oresentative	reffere	nces (minim	num 5, not more than 10)					
1.	Baloš S., ammuniti	Šiđanin on, Mate	(Sidjanin) erials and D	L.: Metallographic study o Design, 2011, Vol. 32, pp.	of non-homoge 4022-4029, IS	nousarmour SN 0261-30	· impacted by armour-piercing incendiary 69		
2.	Baloš S., 276, ISSI	Arlan B N 1044-	., Alan P.: 5803	Roman mystery iron blade	es from Serbia	, Materials	s Characterization, 2009, Vol. 60, No 4, pp. 271-		
3.	Baloš S., Technolo	Šiđanin gy, 2009	(Sidjanin) 9, pp. 482-4	L.: Microdeformation of s 87, ISSN 0924-0136	oft particles in	metal matrix	composites, Journal of Materials Processing		
4.	Baloš S., Supplem	Arlan B ent S02,	., Alan P.: pp. 1100-1	Roman mystery iron blade 101, ISSN 1431-9276	es from Serbia,	Microscopy	/ and microanalysis, 2007, Vol. 13, No		
5.	Baloš S., 1293-130	Grabulo 1, ISSN	ov V., Šiđan 1 0261-3069	in (Sidjanin) L., Pantić M.	: Wire fence a	s applique a	rmor, Materials and Design, 2010, Vol. 31, pp.		

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKHX H				
ALL AND REAL		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6							
0.2		Study F	Study Programme Accreditation							
.01	LANTEN	UNDERGRADUATE ACADEMIC S	STUDIES	Cle	an Energy Technologies	HOS				
Rep	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.	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.	Lazarević Z Nanostructi	, Jovalekić Č., Sekulić D., Slankar ured Spinel NiFe2O4 Obtained by S	nenac M., Romčević M Soft Mechanochemical	I., Milutinović A., I Synthesis, Scien	Baloš S., Romčević N.: Cha ce of Sintering, 2012, Vol. 44	racterization of 4, No 3				
9.	Vrač D., Šio and Tribolo	đanin (Sidjanin) L., Baloš S.: Mecha gy, 2011, Vol. 63, No 6, pp. 427-43	anical finishing honing 2, ISSN 0036-8792	cutting regimes a	and surface texture, Industria	al Lubrication				
10.	Baloš S., B microwave	alos T., Šiđanin (Sidjanin) L., Marko energy, Materiale Plastice, 2011, V	ović D., Pilić B., Pavliče ol. 48, No 02, pp. 127-	ević J.: Study of F 131, ISSN 0025-	PMMA biopolymer properties 5289	s treated by				
Sur	nmary data fo	r teacher's scientific or art and profe	essional activity:							
Quot	Quotation total : 15									
Tota	of SCI(SSCI)	list papers :	13							
Curre	ent projects :		Domestic :	2	International :	0				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Berić B. Andrijana				
Academic title:			Lecturer				
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad				
starting date:					04.11.2004		
Scier	ntific or art f	ield:			German		
Acad	lemic cariee	er	Year	Institution			Field
Acad	lemic title el	ection:	2010	Faculty of Technical Sci	ences - Novi S	ad	German
Mast	er's thesis		2009	Faculty of Philology - Be	ograd		German
Bach	elor's thesis	3	2003	Faculty of Philosophy - N	Novi Sad		German
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.	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
						(AS0) Sce Undergrad	enic Architecture, Technique and Design, uate Academic Studies
		German Language - Elementary			(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2	NJ01Z			(Z01) Saf		Safety at Work, Undergraduate Academic Studies	
5.		German Language – Elementary				(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) Civi	I Engineering, Undergraduate Academic Studies
					(M20)Meo Undergrad	chanization and Construction Engineering, uate Academic Studies	
					(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
						(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies
		0				(P00) Proo Studies	duction Engineering, Undergraduate Academic
4.	NJU2L	Germa	in Languag	e – Pre-Intermediate		(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies
						(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies
						(Z01) Safe	ety 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) Envi Studies	ronmental Engineering, Undergraduate Academic



13.

14.

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17.

NJ02L

NJ03Z

NJ04L

NJT1

NJ02L

engleskom)



Stand Ba		TACULTI OF TECHNICAL SCIENCES 21000 NOVI SAD, TRO DOSITEJA ODRADOVICA 6							
U.NEOT	ANTEN ST	Study Programme Accreditation Visit Clean Energy Technologies UNDERGRADUATE ACADEMIC STUDIES Clean Energy Technologies							
List c	List of courses being held by the teacher in the accredited study programmes								
	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						
	NJ04L		(F00) Graphic Engineering and Design, Undergraduate Academic Studies						
6.		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

Studies

Studies

Studies

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Studies

(Z20) Environmental Engineering, Undergraduate Academic

(110) Industrial Engineering, Undergraduate Academic

(110) Industrial Engineering, Undergraduate Academic

(120) Engineering Management, Undergraduate Academic

German Language - Pre-Intermediate

Nemački jezik - niži srednji(uneti naziv na engleskom)

Nemački jezik - srednji(uneti naziv na engleskom)

Nemački jezik u tehnici 1(uneti naziv na engleskom)

Nemački jezik - napredni srednji(uneti naziv na

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WHENX HA	
ANI A		FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	STATE -	
NO.2		Study F	Study Programme Accreditation				
.04	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	HOS	
List c	of courses b	eing held by the teacher in the accred	lited study programme	es			
	ID	Course name	Study program	me name, study type			
19.	F508	German Language for GRID 3		(F00) Graphic Engineering and Design, Master Academic Studies			
20.	nja	German Language in Architecture		(AH0) Architecture, Master Academic Studies			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.	Prevod: I	novacije i trendovi u proizvodnji alatni	h mašina				
2.	Prevod: I	nženjerstvo mehatroničnih sistema					
3.	Prevodi z	a Pro Elektro (u toku)					
4.	4. Prevod: Arbeitszenarien und Optimierung von Abläufen und Steuerung von selbstorganisierenden Bionic Assembly System in CIM Umgebung (u toku)						
Sur	Summary data for teacher's scientific or art and professional activity:						
Quot	ation total :		0				
Total	of SCI(SS	CI) list papers :	0				
Curre	ent projects	:	Domestic :	0	International :	0	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:				Bjelaković M. Radivoje						
Academic title:			Full Professor							
Name of the institution where the teacher works full time and			Faculty of Te	chnical Scie	ences - N	Novi Sad				
starting date:			25.09.1975							
Scier	ntific or art f	ield:		c.		Thermal Ener	getics and	Thermo	technics	
Acad	lemic caries	er	Year	Institution				Field		
Acad	lemic title e	ection:	2004	Faculty of Technic	al Sci	ences - Novi S	ad	Therm	nal Energetics and Thermo	technics
PhD	thesis		1988	Faculty of Mechan	nical E	ngineering - Be	eograd	Therm	nal Energetics and Thermo	technics
Magi	ster thesis		1982	Faculty of Technic	al Sci	ences - Novi S	ad	Therm	nal Energetics and Thermo	technics
Bach	elor's thesis	5	1972	Faculty of Mechan	nical E	ngineering - Be	eograd	Therm	nal Energetics and Thermo	technics
List o	of courses b	eing he	ld by the te	acher in the accredit	ted stu	udy programme	s			
	ID	Course	e name				Study pro	ogrammo	e name, study type	
1.	M3305	Heatin	g, Ventilatio	on and Air-Condition	ning		(M30) Ene Academic	ergy and Studies	Process Engineering, Un	dergraduate
2.	Z412A	Proces	ss apparatu	s for protecting the	enviro	nment	(Z20) Envi Studies	ronmen	tal Engineering, Undergrad	luate Academic
3.	Z412	Proces engles	sni aparati z kom)	za zaštitu okoline(un	ieti na	ziv na	(Z20) Envi Studies	ronmen	tal Engineering, Undergrad	luate Academic
4.	M3048	Heatin	g, Ventilatio	on and Air-Condition	ning		(ZC0) Cle Academic	an Ener Studies	gy Technologies, Undergra	aduate
5.	GS002	2 Energy Efficiency of Heating and Air Conditioning Systems			ioning	(G10) Energy Efficiency in Buildings, Specialised Academic Studies				
6.	GS003	Renew	vable Energ	ıy in Civil Engineerir	ng		(G10) Energy Efficiency in Buildings, Specialised Academic Studies			
7.	1070	Energy	y efficiency				(M50) Ene	ergy Ma	nagement, Master Academ	nic Studies
8.	1939	Meren	je, nadzor i	upravljanje			(M50) Energy Management, Master Academic Studies			
9.	M3410	Uncon	ventional s	ystems for heating a	and co	oling	(M30) Ene Studies	ergy and	Process Engineering, Ma	ster Academic
Rep	oresentative	reffere	nces (minin	num 5, not more tha	n 10)					
1.	Supplem heating,v	ent to th entilatin	e optimisat g,refrigerat	ion of district heating	g netw ning-C	ork for change	able hydrau ating comm	ilic regir	nes,The Second word Con and systems,PP 161-165,	gress on Sarajevo,1989.
2.	Prilog od dinamičk	redjivan og progi	ju optimalni ramiranja,K	h hidrauličkih param GH,1/1194,s.25-28	netara	mreže daljinsk	og grejanja	za pron	nenljive protoke vode meto	odom
3.	Prilog od 56.	redjivan	ju optimalno	e raspodele raspolo	živih r	apora mreže d	aljinskog gr	ejanja s	a više toplotnih izvora,KGł	H,1/1998,s.53-
4.	Odredjiva	anje opti	malnih gub	itaka pritisaka prstei	naste	mreže daljinsko	og grejanja.	KGH,1/2	2000,s.75-80	
5.	Optimiza	ciia mre	že daliinsko	og grejanja Fakultet	tehnič	kih nauka.Novi	Sad.2002			
6.	Eksploata	acija vre	lovodnih m	reža daljinskog greja	anja s	a više toplotnih	izvora,Fakı	ultet teh	ničkih nauka,Novi Sad,198	31.
7.	Odrediiva	anje opti	malnih hidr	auličkih parametara	mrež	e daljinskog gre	ejanja za pro	omenljiv	e režime, Mašinski fakultet	, Beograd, 1988.
Sur	nmary data	for tead	cher's scien	tific or art and profes	ssiona	l activity:		,		
Quot	ation total :				0					
Tota	of SCI(SS	CI) list p	apers :		0					
Current projects : Domestic : 0 Intern				nternational :	0					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Bogdanović Ž. Vesna			
Academic title:					Senior Lecturer			
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:					15.12.1999			
Scier	ntific or art f	ield:			English			
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	English	
Magi	ster thesis		2007	Faculty of Philosophy - N	Novi Sad		English	
Bach	elor's thesis	3	1999	Faculty of Philosophy - N	Novi Sad		English	
List c	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	Englis	h Language	- Elementary		(A00) Arch	nitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arch	nitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	- upper intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies	
						(G00) Civi	I Engineering, Undergraduate Academic Studies	
						(M20) Mea Undergrad	chanization and Construction Engineering, uate Academic Studies	
		English Language – Elementary				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	EJ01L					(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
					(P00) Production Engineering, Undergraduate Acade Studies		duction Engineering, Undergraduate Academic	
					(S00) Traffic and Transport Engineering, Undergrad Academic Studies		fic and Transport Engineering, Undergraduate Studies	
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies	
						(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
6.	EJ01Z	Englis	h Language	- Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Graj Academic	phic Engineering and Design, Undergraduate Studies	
						(M20) Mea Undergrad	chanization and Construction Engineering, uate Academic Studies	
7.	EJ02L	Englisi	h Language	– Pre-Intermediate		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
		U	0.01			(Z01) Safe	ety 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	

SITAS STUD

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

t of course	s beina he	ld by the te	eacher in the	accredited s	tudy programmes

List	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type				
			(I10) Industrial Engineering, Undergraduate Academic Studies				
8	E 1027	En vijek Langevange - Des lade med vijede	(I20) Engineering Management, Undergraduate Academic Studies				
0.	LJUZZ	Lingiish Language – Fie-Interneulate	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies				
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies				
9.	EJ03Z	English Language - Intermediate	(Z01) Safety at Work, Undergraduate Academic Studies				
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
			(Z20) Environmental Engineering, Undergraduate Academic Studies				
	EJ04L		(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
		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				



Liet

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



Clean Energy Technologies

UNDERGRADUATE ACADEMIC STUDIES

LISU		being held by the teacher in the accredited study programme	
	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Undergraduate
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
13.	EJ2Z	Z 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	FJM	English Language – ESP Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies
20.	Loin		(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



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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
			(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
	EJ2Z		(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 inženjer	stvo i dizajn 1, FTN Izdavaštvo, Novi Sad, 2007.
3.	Ivana Mir	ović, Vesna Bogdanović, Engleski jezik 2 za grafičko inženi	erstvo i dizajn, FTN Izdavaštvo, Novi Sad. 2008
4	Vesna M	arković. English in Civil Engineering. drugo izdanie FTN Izo	lavaštvo. Novi Sad. 2008.
5.	Universit	y of Novi Sad, Faculty of Technical Sciences, prevele: Marir ovi Sad, 2004.	na Katić, Vesna Marković, Ivana Mirović, Fakultet tehničkih
6.	Mr Vesna	a Bogdanović, Pačvork romani Alis Voker i Toni Morison, Be	eograd: Zadužbina Andrejević, 2009, ISBN 978-86-7244-743-9
7.	Bogdano predznar	vić Vesna, Mirović Ivana, Ličen Branislava, Kreiranje udžbe ija, Zbornik radova međunarodne konferencije Jezik struke -	nika za stručni engleski jezik za studente različitog – teorija i praksa, DSJKS, Beograd, 2008: 445-454
8.	Mirović Iv radova m	vana, Bogdanović Vesna, Ličen Branislava, Istorijat nastave jeđunarodne konferencije Jezik struke – teorija i praksa, DS	stručnog engleskog jezika na FTN-u u Novom Sadu, Zbornik JKS, Beograd, 2008: 170-176

STAS STUD			UNIVERSITY OF NOVI SAD					
INC	NOIL BUILD	FACULTY OF TECHNICAL SC	ENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
Study F			Programme A	ccreditati	on	Con Con		
UNDERGRADUATE ACADEMIC			STUDIES	Cle	ean Energy Technologies	A HOS		
Re	presentative r	efferences (minimum 5, not more th	nan 10)					
9.	Bulatović V konferencij	′esna, Gak Dragana, Bogdanović V e Jezik struke – teorija i praksa, DS	esna, Nastava stranih JKS, Beograd, 2008: 3	jezika na privatno 329-332	om fakultetu, Zbornik radova	a međunarodne		
10.	Gak Draga Zbornik rac	na, Bulatović Vesna, Bogdanović V lova međunarodne konferencije Jez	esna, Poređenje nasta zik struke – teorija i pra	ive engleskog jez iksa, DSJKS, Beo	ika na privatnom i državnon ograd, 2008: 705-712	n fakultetu,		
Su	Summary data for teacher's scientific or art and professional activity:							
Quotation 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

Clean Energy Technologies

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



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

TROPIANTENS		Study Programme A	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Clean Energy Technologies				
List o	of courses b	eing held by the teacher in the accredited study programme	25				
	ID	Course name	Study programme name, study type				
21.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies				
22.	PP103	Measurement and tools in precision engineering	(PM0) Production Engineering, Master Academic Studies				
23.	SM3	Software support for reverse engineering and CAQ	(PM0) Production Engineering, Master Academic Studies				
24.	SZSP18	Contemporary scientific approaches in life cycle assessment of products (LCA)	(Z00) Environmental Engineering, Specialised Academic Studies				
25.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies				
26.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies				
27.	DP006	State and development trends of metrology, quality and fixtures	(M00) Mechanical Engineering, Doctoral Academic Studies				
28.	DP013	Ecological Engineering Aspects	(M00) Mechanical Engineering, Doctoral Academic Studies				
29.	DP019	Selected topics in technical diagnosis	(M00) Mechanical Engineering, Doctoral Academic Studies				
30.	ZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Doctoral Academic Studies				
31.	ZSP18	Modern Scientific Approaches in Product Life Cycle Assessment (LCA)	(Z00) Environmental Engineering, Doctoral Academic Studies				
Rep	oresentative	refferences (minimum 5, not more than 10)					
1.	Budak I., Sensors,	Vukelić Đ., Bračun D., Hodolič J., Soković M.: Pre-Process Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8	ing of Point-Data from Contact and Optical 3D Digitization 220				
2.	Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone- shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593						
3.	Kosec G., Nagode A., Budak I., Antić A., Kosec B.: Failure of the pinion from the drive of a cement mill, Engineering Failure Analysis, 2011, Vol. 18, pp. 450-454, ISSN 1350-6307						
4.	Budak I., based de	Soković M., Barišić B.: Accuracy improvement of point data cision-making, MEASUREMENT, 2011, Vol. 44, No 6, pp. 1	a reduction with sampling-based methods by Fuzzy logic- 188-1200, ISSN 0263-2241				
5.	Budak I., Journal o	Hodolič J., Soković M.: Development of a programme syst f Materials Processing Technology, 2005, Vol. 162, pp. 730	em for data-point pre-processing in Reverse Engineering, -735, ISSN 0924-0136				
_	Jevremov	rić D., Puškar T., Budak I., Vukelić Đ., Kojić V., Eggbeer D.,	Williams R.: An RE/RM approach to the design and				

 manufacture of removable partial dentures with a biocompatibility analysis of the F75 Co-Cr SLM alloy, Materijali in tehnologije, 2012, Vol. 46, No 2, pp. 123-129, ISSN 1580-2949
 Trifković B., Budak I., Todorović A., Hodolič J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM

⁷. in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871
 Agarski B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodolič J.: Application of multi-criteria assessment in evaluation of motor vehicles' environmental performances, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330-3651
 Vukelić Đ., Miljanić D., Ranđelović S., Budak I., Džunić D., Erić M., Pantić M.: Burnishing process based on optimal depth of workpiece penetration (Article in press, date of acceptance 28.08.2012, Manuscript Number: MIT-45-2012), Materijali in tehnologije, 2012, ISSN 1580-2949
 Vukelić Đ., Tadić B., Miljanić D., Budak I., Todorović P., Ranđelović S., Jeremić B.: Novel workpiece clamping method for increased machining performance, Tehnički vjesnik-Technical Gazette, 2012, Vol. 19, No 4, pp. 837-846, ISSN 1330-3651.

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

 Quotation total :
 25

 Total of SCI(SSCI) list papers :
 20

 Current projects :
 Domestic :
 4
 International :
 7



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Bukurov Ž. Maša			
Acad	lemic title:				Assistant Professor			
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.11.1993			
Scier	ntific or art f	ield:			Applied Fluid	Mechanics	- Hydro Pneumatic Technics	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2010	Faculty of Technical Science	ences - Novi Sa	ad	Applied Fluid Mechanics - Hydro Pneumatic Technics	
PhD	thesis		2004	Faculty of Technical Sci	ences - Novi Sa	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 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	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
1.	M205	Funda	mentals of I	Fluid Mechanics		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						(M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies	
	M205L	Fundamentals in Fluid Mechanics				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
2.						(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Prod Studies	duction Engineering, Undergraduate Academic	
		Fluid Mechanics 1				(M30) Ene	ergy and Process Engineering, Undergraduate Studies	
3.	M212					(M40) Tec Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M3301	Pumpi	ng and Con	npression Stations		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
_						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	M3306	Device	es for Mecha	anical Purification		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	M3403	Fluid N	lachines			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
_	M0450	Maga	romant -f f	uid proportion		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
1.	11/3453	weasu		iuiu properties		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
8.	URZP14	Funda	mentals of I	Mechanical Engineering		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
9.	M3203	Techn	ology of ma	chinery		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
10.	M3401	Fluid N	lechanics 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	etworks Mo	odelling		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
13.	M3513	Compu	utational Flu	uid Dynamics		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
14.	S0MI12	Theory of ship's motion and maneuverabi			y	(S00) Traffic and Transport Engineering, Master Academic Studies		

STAS STU		UNIVERSITY OF NOVI SAD								
IVER OF	NULL STOR	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	STATE				
0.2	Constraints	Study Programme Accreditation								
6	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	IES Clean Energy Technologies						
Re	presentative r	efferences (minimum 5, not more th	an 10)		·					
1.	M. Milanko IRRIGATIC	v, Maša Bukurov, A. Jovanović, T. S N SUCTION DRAINAGE, Arch Ortl	Somer, EXPERIMENT hop Trauma Surg 116	AL STUDY OF TH (4), p. 299-304, 1	HE HYDRODINAMIC EFEC 997.	CTS OF				
2.	Maša Bukurov, Ž Bukurov, M. Lekić, D. Stojković, TRANSPORTATION BY RIVER IN FUNCTION OF ECO PROTECTION AND MORE EFFICIENT USAGE OF WATER WAYS, First European Inland Waterway Navigation Conference, Balatonfured, Jun, 9-11, 1999.									
3.	Maša Bukurov, S. Tašin, B. Todorović, EFFICIENCY RATE OF STEAM-WATER INJECTOR FOR HOT WATER TRANSPORTATION, Proceedings of PSU-UNS International Conference 2003 "ENERGY AND ENVIRONMENT" Thailand, Dec. 2003, PSUUNS 03021, p.126-129									
4.	Maša Bukurov, S. Bikić, B. Todorović, S. Tašin, TRANSFORMATION OF STEAM ENERGY IN JET PUMP – EFFICIENCY RATE, 25th Yugoslav Congress on Theoretical and Applied Mechanics, Novi Sad, Jun, 2005									
5.	M. Effenberger, A. Gronauer, Maša Bukurov, CONTRIBUTION TO ENVIRONMENTAL PROTECTION BY USAGE OF BIOGAS, Journal on Processing and Energy in Agriculture, 1450-5029 (2004) 8, 3-4, p.69-71									
6.	Maša Bukurov, ENERGETSKO-EKOLOŠKO POBOLJŠANJE LINIJE ZA PROIZVODNJU KLINKERA SUVIM POSTUPKOM U FABRICI CEMENTA, magistarski rad, Univerzitet u Novom sadu, Centar za interdisciplinarne i multidisciplinarne studije inženierstva zaštite životne sredine. 1998.									
7.	Siniša Bikić conference	, Maša Bukurov, IMPORTANCE OI 2, 2006, Rousse. (proceedings, vo	F OPEN CHANNEL C	ALIBRATION IN F 1311-3321)	LOW RATE MEASURING	, Scintific				
8.	Ž. Bukurov ENERGIJU	, Maša Bukurov, B. Todorović, S. Bi PRITISKA KROZ PARO-VODENU	kić, ZAKONITOSTI TF MLAZNU PUMPU, In	RANSFORMACIC dustrijska energe	NOG PROCESA ENERGI tika 2004, Lepenski vir, ok	JE PARE U tobar 2004				
9.	Maša Buku Sad, 2004.	rov, Istraživanje svojstava nadyvuč	nog paro-vodenog inje	ktora, doktorska (disertacija, Fakultet tehničk	ih nauka, Novi				
10.	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									
Su	mmary data fo	or teacher's scientific or art and profe	essional activity:							
Quot	tation total :		0							
Tota	I of SCI(SSCI)) list papers :	0							
Current projects : Domestic : 0 International : 0										



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	Name and last name:					Čongradac D. Velimir		
Acad	lemic title:				Assistant Professor			
Nam	e of the inst	titution v	where the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:				15.06.1998			
Scier	ntific or art f	ield:		ſ	Automatic Co	Automatic Control and System Engineering		
Acad	Academic carieer Year Institution						Field	
Acad	Academic title election: 2009 Faculty of Technical Sci				ences - Novi Sa	ad	Automatic Control and System Engineering	
PhD	thesis		2009	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Magi	ster thesis		2000	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Bach	elor's thesis	s	1998	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Cours	e name			Study pro	ogramme name, study type	
1.	AU43	Funda	mentals of	Biomedical Engineering		(BM0) Bio Studies (E20) Con Academic	medical Engineering, Undergraduate Academic nputing and Control Engineering, Undergraduate Studies	
2.	AU50	Proces	ss Control b	y Computer		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						Undergrad	uate Academic Studies	
3.	GI005	Intellig	ent Control	Systems		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
4.	Z410A	Geospatial technologies and systems				(Z20) Environmental Engineering, Undergraduate Academic Studies		
5.	Z410	Geoinformacione tehnologije i sistemi(unet engleskom)			naziv na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
6.	BMI112	Biomedical engineering in sport physiology				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
7.	BMI113	Neuroengineering				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
8.	BMI120	Equipr disable	ment and sy ed	vstems for helping the elde	erly, ill and	(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
9.	BMI124	Syster	m Modeling	and Simulation		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
10.	BMI125	Biolog	ical Control	Systems		(BM0) Biomedical Engineering, Undergraduate Academic Studies		
11.	E2311	Autom	ation in sm	art office-residential buildi	ngs	(E20) Computing and Control Engineering, Undergraduate Academic Studies		
12.	EMSAU 1	Autom	atic Control	Systems in Electronics		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
13.	SEAU01	Nonlin	ear progran	nming and evolutionary co	omputations	(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
14.	SEAU03	Real-ti	ime control	algorithms		(SE0) Sof Undergrad	tware Engineering and Information Technologies, luate Academic Studies	
15.	SEAU04	Softwa	are of BMS			(SE0) Sof Undergrad (SEL) Sof	tware Engineering and Information Technologies, luate Academic Studies tware Engineering and Information Technologies - ndergraduate Academic Studies	
16.	SEAU06	Softwa	are of Proce	ess Computers		(SE0) Sof Undergrad (SEL) Sof	tware Engineering and Information Technologies, luate Academic Studies tware Engineering and Information Technologies -	
17.	ZC037	Autom	ation applie	ed in the industry and build	dings	(ZC0) Cle	an Energy Technologies, Undergraduate	
18.	AU514	Totally	/ Integrated	Automatic Control System	ns	(E20) Con Academic	nputing and Control Engineering, Master Studies	
19.	S054	Comp	uter Modelli	ng and Simulation		Academic Studies (S01) Postal Traffic and Telecommunications, Master Academic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

		·	,, ,						
	ID	Course name		Study program	me name, study type				
20.	SEAM01	Intelligent Control Systems		(SE0) Software Engineering and Information Technologies, Master Academic Studies					
21.	SEAM02	Adaptive and advanced control	(SE0) Software Master Academi	Engineering and Information c Studies	Technologies,				
22.	SEAM03	AM03 Software Algorithms in Supervisory Control and Data Acquisition Systems (SE0) Software Engineering and Information Technolog							
23.	SEAM05	AM05 Dynamic Programming, combinatorial and network optimization (SE0) Software Engineering and Information Technologie							
24.	DAU017	Selected Topics from Totally Integra Control Systems	ted Automatic	(E20) Computing and Control Engineering, Doctoral Academic Studies					
25.	DAU018	Selected Chapters in Distributed Co	ntrol Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies					
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.	Čongrada operation	ac V., Kulić F.: Recognition of the imp , Energy and Buildings, 2012, Vol. 47	ortance of using artific , pp. 651-658, ISSN 0	cial neural networ 378-7788	ks and genetic algorithms to	optimize chiller			
2.	Čongrada Buildings	ac V., Jorgovanović N., Stanišić D.: A , 2012, Vol. 48, pp. 146-154, ISSN 03	ssessing the energy c 78-7788	onsumption for he	eating and cooling in hospita	ls, Energy and			
3.	Čongrada algorithm	ac V., Bojanić D., Čapko D.: Algorithn and fuzzy logic, Solar Energy, 2012,	n for blinds control bas Vol. 86, No 9, pp. 276	ed on the optimiz 2-2770, ISSN 003	ation of blind tilt angle using 38-092X	a genetic			
4.	Čongrada Buildings	ac V., Kulić F.: HVAC system optimiza , 2009, ISSN 0378-7788	ation with CO2 concer	ntration control us	ing genetic algorithms, Energ	gy and			
5.	Čongrada 0354-983	ac V.: Control of the lighting system u 66, UDK: 621	sing a genetic algorith	m, Thermal Scier	nce, 2012, Vol. 16, No 1, pp.	237-250, ISSN			
6.	Čongrada Science,	ac V.: Business process managemen 2012, Vol. 16, No 1, pp. 269-279, ISS	t in sustainable prope N 0354-9836, UDK: 6	ty/asset managei 21	ment by using the totalobser	ver, Thermal			
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		0						
Total	of SCI(SS	CI) list papers :	6						
Curre	ent projects	:	Domestic :	1	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name: Ćos					Ćosić P. Ilija				
Acad	emic title:				Full Professor	ull Professor			
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Teo	chnical Scie	nces - Novi Sad		
starti	ng date:				22.12.1972				
Scier	Scientific or art field: Produ					/stems, Org	anization and Management		
Acad	emic cariee	er	Year	Institution			Field		
Academic title election: 1993			1993	Faculty of Technical Scie	ences - Novi Sa	ad	Production Systems, Organization and Management		
PhD	thesis		1983	Faculty of Technical Scie	ences - Novi Sa	ad	Production Systems, Organization and Management		
Magi	ster thesis		1979	Faculty of Technical Scie	ences - Novi Sa	ad	Production Systems, Organization and Management		
Bach	elor's thesis	8	1972	Faculty of Mechanical E	ngineering - No	ovi Sad	Mechanical Engineering		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S			
	ID	Course	e name			Study pro	gramme name, study type		
1.	M316	Produc	ction Syster	ns		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
						(M40) Tec Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		
2.	II1017	Produc	ction Syster	n Design		(110) Indus Studies	strial Engineering, Undergraduate Academic		
3.	II1053	Produc	ction Syster	ns		(F00) Graj Academic (P00) Proc	F00) Graphic Engineering and Design, Undergraduate cademic Studies P00) Production Engineering, Undergraduate Academic		
		IM1027 Production systems				Studies (I20) Engii	neering Management, Undergraduate Academic		
4.	IM1027				Studies (MR0) M		asurement and Control Engineering.		
						Undergraduate Academic Studies			
		Fundamentals of Operations management				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
5	IM1030					(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies			
5.	10059					(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
	114440					(I10) Indus Studies	strial Engineering, Undergraduate Academic		
6.	IM1116	VVORK 3	Study and E	rgonomics		(I20) Engineering Management, Undergraduate Academic Studies			
7.	ZR401A	Scienc	e on Work			(Z01) Safe	ty at Work, Undergraduate Academic Studies		
		Cala -	od oberte	in ontornale de class	aonizetie	(I12) Indus	strial Engineering, Specialised Academic Studies		
8.	IMDR0S	and co	ed chapters introl	in enterprise's design, or	ganization	(I22) Engii Studies	neering Management, Specialised Academic		
9.	IMDSPI	Select	ed Chapters	s in Design for Excellence		(112) Indus	strial Engineering, Specialised Academic Studies		
						(I20) Engii Studies	neering Management, Specialised Professional		
10.	IS001	Effecti	ve manager	ment		Studies (IB0) Engineering Management - MBA, Specialised Professional Studies			
11.	ZR502	Occup	ational Risk	Assessment		(Z01) Safe	ty at Work, Master Academic Studies		
12.	IIDS5	Select and co	ed chapters Introl	in enterprise's design, or	ganization	(112) Indus	strial Engineering, Specialised Academic Studies		
						(112) Indus	strial Engineering, Specialised Academic Studies		
13.	IIDS9	Effective Production and Service Systems				(122) Engineering Management, Specialised Academic Studies			

HASTING OF

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

I list of sources being held by the teacher in the secredited study pregrammes
. List of courses being held by the teacher in the accredited singly brootammes

	ID	Course name		Study programme name, study type				
14.	IM2101	Intelligent Enterprising and Effective	Management	(M50) Energy M (I20) Engineering	lanagement, Master Acaden g Management, Master Acad	nic Studies demic Studies		
15.	IM2102	Manufacturing strategy (KAIZEN, LE EFPS)	AN, KANBAN,	(110) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (120) Engineering Management, Master Academic Studies				
16.	IM2119	Layout and location of the enterprise	;	(I20) Engineering	g Management, Master Acad	demic Studies		
17.	IM2124	Production and Service Systems		(H00) Mechatronics, Master Academic Studies				
18.	IMDR0	Science of Industrial Engineering an	d Management	(I20) Industrial E Doctoral Acaden	Engineering / Engineering Manic Studies	anagement,		
19.	IMDR31	Effective Production and Service Sys	stems	(I20) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
20.	IMDR56	Traceability of Product Lifecycle		(I20) Industrial E Doctoral Acaden	Engineering / Engineering Manic Studies	anagement,		
21.	IMDR57	Strategic Planning and Designing Pr Systems at the End of Product Lifect	ocedures and cycle	(I20) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
22	IMDRPI	Selected Chapters in Design for Exc	ellence	(F00) Graphic E Studies	ngineering and Design, Doc	toral Academic		
				(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
23.	IMDR5	Selected chapters in enterprise's dea and control	sign, organization	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies				
24.	IMDR85	Effective technological and production	on structures	(120) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
25.	ZRD27A	Operations management in the secu safety	rity and occupational	(Z01) Safety at	Work, Doctoral Academic St	udies		
26.	ZRD28A	Selected topics in the science of occ	upational safety	(Z01) Safety at	Work, Doctoral Academic St	udies		
Rep	presentative	e refferences (minimum 5, not more th	an 10)					
1.	Ćosić I.: Arrageme	Development of Knowledge-Based Se ent of Parts Bins at Assembly Workpla	yslem for the Configuration (TEBES) - Europi	alion of Assembly an Communities I	Systems, Knowledge-Base Brusseles, 1991	d Selection arid		
2.	Suzić N., Industry; Universit ISBN 978	Anišić Z., Ćosić I.: Reconfiguring Pro Chapter 20 of Innovative Production S y of Maribor, Faculty of Mechanical Er 3-961-248-250-3	oduction and Organiza Systems Key to Future ngineeing, Maribor; Fa	tional Structures f Inteligent Manufa culty of Mechanic	or Mass Customization in Fu acturing; Scientific Monograp al Engineering, Skopje, 2010	urniture bhy, Maribor, 0, str. 257-275,		
3.	Anišić Z., Engineer FME Mar	Tudjarov B., Firstner (Fürstner) I., Ćc ing, Chapter 3.: Intelligent product cor ibor, 2009, str. 41-51, ISBN 978-9989	sić I.: Intelligent Prod figurators as a compe -2701-4-7, UDK: 681.	uction Systems W titive advantage f 5:001.895; 004.42	/ay to Competitiveness and or companies, Skoplje, EME 2.045:621.9, Ukupno strana:	Innovative Skopje and 9		
4.	Simeuno Internatio	vić N., Ćosić I., Radaković N., Lalić B. nal Scientific Book, 2009, str. 281-28	: The General Work F 3, ISBN 987-3-901509	Procedure Model f -71-1, UDK: ISSN	or the Service Product, Beč, I 1726-9687	, DAAAM		
5.	Firstner (Book 200	Fürstner) I., Anišić Z., Ćosić I.: Integr 5, Beč, Published by DAAAM Interna	ated product developn tional Viena, 2005, str.	nent in Internet su 179-192, ISBN 1	rroundings, DAAAM Interna 726-9687	tional Scientific		
6.	Ćosić I., A Internatio	Anišić Z.: Methodology for assembly sonal Scientific Book 2003, Beč, DAAA	suitability enhancemer M International Viena,	nt as a part of inte 2003, ISBN 3-901	grated product development	t, DAAAM		
7.	Zelenovio Manufact str. 517-5	5 D., Ćosić I., Maksimović R.: Design/ uring: State University of New York E 534	reengineering of produ Buffalo, NY, USA, Kluw	uction systems, G ver Academic Pub	roup Technology and Cellul lishers, A.C.I.P. Printed in th	ar ne USA, 1998,		
8.	Pečujlija situation	M., Ćosić I., Ivanišević V.: A professo (consistency problem), Science and E	or's moral thinking at th Engineering Ethics, 201	ne abstract level v 11, Vol. 17, No 2,	s the professor's moral think pp. 299-320, ISSN 1353-34	king in real life 52		
9.	Zelenovio Journal o	ć D., Ćosić I., Šormaz D., Šišarica Z.: f Production Research, 1987, Vol. 25,	An approach to the de No 1, pp. 3-15, ISSN	esign of more effe 0020-7543	ctive production systems ,	International		
10.	Kirin S., S 2012, pp	Sedmak A., Grubić-Nešić L., Ćosić I.: . 52-52, ISSN 0354-7531, UDK: doi:10	Project risk managem).2298/HEMIND11070	ent in complex pe 9052K	etrochemical system, Hemijs	ka industrija,		
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		96					
Total	of SCI(SS	CI) list papers :	15					
Curre	ent projects	<u>.</u>	Domestic :	2	International :	2		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Dragutinović D. Gordan			
Acad	lemic title:				Associate Professor			
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:				06.04.1980			
Scier	ntific or art f	ield:	X	1 00 0	Termodynamics and Heat Transfer			
Acad	lemic caries	er	Year		N : 0			
Acad		ection:	2010	Faculty of Technical Scie	ences - Novi Sa	ad	Termodynamics and Heat Transfer	
PhD	thesis		1987	Faculty of Technical Scie	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics	
Magi	ster thesis		1983	Faculty of Mechanical El	ngineering - Be	eograd	Thermal Energetics and Thermotechnics	
Bach	elor's thesis	S	1977	Faculty of Technical Scie	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics	
List of courses being held by the teacher in the accredited study programmes								
	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	
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies	
						(M30) Energy and Process Engineering, Undergraduate Academic Studies		
2.	M203L	Fundamentals in Thermodynamics				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
	14040	T L	!!			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
3.	M210	Inerm	odynamics			(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M215	Fundamentals of Heat Transfer				(M40) Technical Mechanics and Technical Design, Undergraduate 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 Hea	at Transfer	(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
7.	GS013	Specia	al topics of t	ouilding physics and therm	odynamics	(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	
8.	BMIM4A	Transp	oort phenon	nena and Living systems		(BM0) Bio	medical Engineering, Master Academic Studies	
9.	M3508	Mass ⁻	Transfer			(M30) Ene Studies	ergy and Process Engineering, Master Academic	
						(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies	
10.	DM307	Select	ed Chapter	s in Mass Transfer		(M00) Me	chanical Engineering, Doctoral Academic Studies	
11.	DM313	Proces	ss Kinetics			(M00) Me	chanical Engineering, Doctoral Academic Studies	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.	Dragutino Computa	ovic, G.E tional M	D., Baclic, B echanics P	S.S. "Operation of Counter ublications, Southampton,	flow Regenera , 1998.	tors", Book '	Vol. 4 in Series "Developments in Heat Transfer",	
2.	Baclic, B. Galerkin	S. and I Method	Dragutinovi and meanii	c, G.D., "Asymmetric-unbang of dimensional Parame	alanced Counte ters, Int. J. Hea	erflow Thern at Mass Tra	nal Regenerator Problem: Solution by the nsfer, 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

Clean Energy Technologies

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.D., "Prediction of the Effectiveness of Unbalanced - Asymmetric Counterflow Regenerators", Publications of the Faculty of Technical Sciences, Vol. 15, 1984, pp. 1-15, University of Novi Sad.								
5.	Baclic, B.S., Gvozdenac, D.D., and Dragutinovic, G.D., "Easy way to calculate the Amzelius-Schumann J function", Thermal Science, Vol. 1, No. 1, 1997, pp. 109-116.								
6.	Dragutinović, D.G., Dimić, M., Sinteza optimalnih mreša toplotnih razmenjivača, Termotehnika, 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	u AP Vojvodini,				
9.	Nedeljkov, M., Dragutinović, G., Mathematical avgust 1987	Simulation od Deep-B	ed Drying of Grai	ns - 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	nmary data for teacher's scientific or art and profe	essional activity:							
Quot	ation total :	11							
Tota	of SCI(SSCI) list papers :	2							
Current projects : Domestic : 2 International :									



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	Name and last name:				Đaković D. Damir			
Acad	lemic title:				Assistant Professor			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.12.2001			
Scier	Scientific or art field:				Process Tech	Process Technics		
Acad	Academic carieer Year Institution						Field	
Acad	lemic title el	lection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Process Technics	
PhD	thesis		2011	Faculty of Technical Sci	ences - Novi S	ad	Process Technics	
Magi	ster thesis		2007	Faculty of Technical Sci	ences - Novi S	ad	Process Technics	
Bach	elor's thesis	S	2001	Faculty of Technical Sci	ences - Novi S	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	
						(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	ergy and Process Engineering, Undergraduate Studies	
3.	M3406	Heat A	pparatus			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M3409A	Moder	n Energy Te	echnologies		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	M3507	Comb	ustion Tech	nology		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
6.	Z412A	Process apparatus for protecting the envir			nment	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
7.	Z412	Procesni aparati za zaštitu okoline(uneti na engleskom)			ziv na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
			- /			(M30) Energy and Process Engineering, Undergraduate Academic Studies		
8.	M211	Measu	irement and	I Regulation		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
9.	M3031	Engine	eering Calcu atus and Eq	ulations of Energy Techno uipment	ologies	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(M30) Ene Studies	ergy and Process Engineering, Master Academic	
10.	M3517	Constr	ruction in er	lergy and process engine	ering	(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
11.	ZRI41A	Securi	ty and Safe	ty at Work in Process Pla	nts	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
				•		(M50) Ene	ergy Management, Master Academic Studies	
12.	1079	Moder	n Energy Te	echnologies		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
13.	1915	Energ	y 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	y Efficiency	of Heating and Air Condit	tioning	(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	
16.	1070	Enera	y efficiency			(M50) Ene	ergy Management, Master Academic Studies	
17.	1915	Enera	y Transform	ations		(M50) Ene	ergy Management, Master Academic Studies	
18.	M3503	Dinam postro	ika i modeli jenja(uneti r	ranje termoenergetskih naziv na engleskom)		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
19.	M3506	Drying	Technique			(M30) Ene Studies	ergy and Process Engineering, Master Academic	
						(M30) Ene Studies	ergy and Process Engineering, Master Academic	
20.	M3508	Mass Transfer				(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

of courses	being h	ield by th	e teacher	in the accre	edited study	programmes

List o	List of courses being held by the teacher in the accredited study programmes										
	ID	Course name		Study program	me name, study type						
21.	M3515	Energy Systems		(M30) Energy a Studies	nd Process Engineering, Ma	ster Academic					
				(M50) Energy Management, Master Academic Studie							
22	M3517	Construction in energy and process	engineering	(M30) Energy and Process Engineering, Master Acade Studies							
	1013317	Construction in chergy and process	engineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies							
23.	DM307	Selected Chapters in Mass Transfer		(M00) Mechanic	cal Engineering, Doctoral Aca	ademic Studies					
24.	DM313	Process Kinetics		(M00) Mechanic	cal Engineering, Doctoral Aca	ademic Studies					
Rep	oresentative	e refferences (minimum 5, not more th	an 10)								
1.	1. Đaković D.: Comments on 'Water sorption isotherms and thermodynamic properties of pearl millet grain', International Journal of Food Science and Technology, 2012, Vol. 47, No. 2, pp. 441-441, ISSN: 0950-5423.										
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.	Čenejac Energy S	A., Bjelaković R., Anđelković A., Đako ource, Thermal Science, 2012, Vol. 1	vić D.: Covering of He 6, No Suppl 1, pp. 225	eating Load of Ob -235, ISSN 0354	ject by Using ground heat as -9836	s a Renewable					
6.	Đaković I Conferen Engineer	D, Vujić G, Bašić Đ, Dimić M. "Severa ce on Engineering and Environment - ing, 10-11 May, 2007, pp. 614- 617	l models of grain dryin ICEE-2007, Phuket, 1	g theory – princip Thailand: Prince o	les and obstacles", PSU-UN f Songkla University, Faculty	S International / of					
7.	Đaković I apstrakat 19.10.20	D, Dimić M. "Poređenje nekih jednačir a, ISBN 86-80587-70-2, s. 62, CD ISI 07.	na konvektivnog sušen 3N 978-86-80-587-80-	ja zrnastih materi 6, 13. Simpozijun	jala u nepokretnom tankom s n termičara Srbije, Sokobanja	sloju", Zbornik a, Srbija, 16.10					
8.	Đaković I 12(4), 23	D, Spasojević M, Štrbac D, Dimić M. " 3-235, 2008	Primena eksergijske a	nalize na proces	sušenja kukuruza u tankom :	sloju", PTEP,					
9.	Đaković I Conferen Serbia	D, Dimić M, Spasojević M, Štrbac D, " ce on Engineering Technologies, ICE	Possibility of exergy a T 2009, 28-30th April,	nalysis applicatior 2009, ISBN: 978-	n on drying process", 4th Inte -86-7892-161-2, pp. 376-380	ernational), Novi Sad,					
10.	Ðaković I 283-287,	D, Dimić M. "Pregled pristupa modelo 2009	ovanju fenomena preno	osa u sušarama s	a kombinovanim tokovima",	PTEP , 13(3),					
Sur	nmary data	for teacher's scientific or art and profe	essional activity:								
Quot	ation total :		0								
Tota	of SCI(SS	CI) list papers :	5								
Curre	Current projects : Domestic : 2 International : 1										



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Đurić N. Slavko			
Academic title:					Assistant Professor			
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad			
starting date:					01.01.2007			
Scier	ntific or art f	ield:			Environment Protection Engineering			
Academic carieer Year Institution					Field			
Academic title election: 2012				Faculty of Technical Sciences - Novi Sad		ad	Environment Protection Engineering	
PhD	thesis		2003	Faculty of Mechanical E	ngineering - Be	eograd Mechanical Engineering		
Magister thesis			1998	Faculty of Mechanical E	ngineering - Be	eograd	Mechanical Engineering	
Bach	elor's thesis	S	1980	Faculty of Mathematics	- Beograd	Mathematics		
List of courses being held by the teacher in the accredited study programmes								
	ID	Course name				Study programme name, study type		
1.	M3303	Funda	mentals 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	Propa	gation of Di	sturbances		(Z20) Environmental Engineering, Undergraduate Academic Studies		
4.	Z304A	Propa	gation of dis	sturbances		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
5.	Z306	Proces	ss Engineer	ing		(Z20) Environmental Engineering, Undergraduate Academic Studies		
		Process Engineering				(Z01) Safety at Work, Undergraduate Academic Studies		
6.	Z306A					(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
7.	Z311	Process Systems and Equipment				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(220) Environmental Engineering, Undergraduate Academic Studies		
8.	Z412A	Process apparatus for protecting the environmen				(Z20) Environmental Engineering, Undergraduate Academic Studies		
9.	Z417	Metho	ds and Sys	tems for Water Treatment		(Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	ZR404	Occup	ational Safe	ety Systems, Means and E	Equipment	(Z01) Safety at Work, Undergraduate Academic Studies		
11.	Z101	Uvod i engles	principi zaš kom)	štite okruženja(uneti naziv	na	(Z20) Environmental Engineering, Undergraduate Academic Studies		
12.	Z401A	Projektovanje i planiranje u zaštiti životne sred naziv na engleskom)			redine(uneti	(Z20) Environmental Engineering, Undergraduate Academic Studies		
13.	Z412	Procesni aparati za zaštitu okoline(uneti nazi engleskom)			ziv na	(Z20) Environmental Engineering, Undergraduate Academic Studies		
14.	Z417	Postupci i postrojenja za tretman voda(uneti engleskom)			ti naziv na	(Z20) Environmental Engineering, Undergraduate Academic Studies		
15.	ZRI41A	Security and Safety at Work in Process Plan			nts	(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			a 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 (M40) Technical Mechanics and Technical Design, Master Academic Studies 		
20.	M3511	Diffusion apparatus				(M30) Energy and Process Engineering, Master Academic Studies		
21.	SZSP17	Savrer supsta	mene instru Inci u životr	mentalne metode analize oj sredini	zagađujućih	(Z00) Environmental Engineering, Specialised Academic Studies		
FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6



Study Programme Accreditation

1	Clean Energy Technologies							
List o	List of courses being held by the teacher in the accredited study programmes							
	ID	Course name		Study programme name, study type				
22.	ZD060	Selected topics in air pollution		(Z00) Environmental Engineering, Doctoral Academic Studies				
				(Z01) Safety at Work, Doctoral Academic Studies				
23.	ZRD28A	Selected topics in the science of occ	cupational safety	(Z01) Safety at Work, Doctoral Academic Studies				
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.	Đurić, S. separatic Vol. 15, N	., 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): Experimental examination of sulphur dioxide Im carbonate, Thermal Science, ISSN 0354-9836				
2.	Đurić S., on the as 9372 Vol	Stanojević P., Đaković D., Jovović A., sh collection Efficiency at the electrost .16, No.3, pp. 229-236	, (2010): The study on atic Precipitator, Chem	the effect of fractional Composition and ash particle Diameter nical Industry & Chemical Engineering Quarterly, ISSN 1451-				
3.	Đurić S., power pla	Stanojević P., Đuranović D., Brankov ants in Bosnia and Herzegovina, Ther	S., Milašinović S., Qu mal Science 2012 Volu	alitative analysis of coal combusted in boilers of the thermal ume 16, Issue 2, Pages: 605-612.				
4.	Nakomči direct en	ć, B., Stajić, T., Cepić, Z., Đurić, S., G ergy utilization, Renewable and Susta	eothermal energy pote inable Energy Reviews	entials in the province of Vojvodina from the aspekt of the s, 2012 Volume 16, Issue 8, Pages: 5696-5700				
5.	Djuric Sla ENGINE	avko N, Brankov Sasa D, Stanojevic P ERING-INTERNATIONAL ENGLISH B	etko, Bozickovic ranko EDITION, (2012), vol. 3	o, IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL 31 br. 2, str. 45-51				
6.	Slavko (N (Cvijan) E Serbia, R 2013	vikola) Đurić, Žarko (Mirko) Bojić, Drag Božičković, The analysis of the road tr RAD PRIHVAĆEN ZA ŠTAMPU U ČAS	gan (Boro) Đuranović, affic accidents directly SOPISU: TTEM-Techn	Boro (Branko) Gojković, Slobodan (Nestor) Tašin, Zdravko caused by tractor drivers in the territory of the Repiblic of ics Technologies Education Management, Vol.8, No.2, 5/6.				
7.	Đurić, S., Engineer Vol. 1, pr	, Đaković, D., (2009): The qualitative ing Technologies ICET, Novi Sad, 281 p. 73-79	estimation of Montene h-30th April, 2009., PF	gro lignite characteristics, 4th Internacional Conference on ROCEEDINGS, ISBN 978-86-7892-227-5,				
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 ECO-CONFERENCE, 26th-29th September 2007, Novi Sad, Environmental protection of urban ans suburban settlements, ISBN 978-86-83177-30-1, ISBN 86-83177-27-0 (za izdavačku celinu), Vol. I, pp. 169-176 							
9.	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					
Tota	Total of SCI(SSCI) list papers : 6							

Domestic :

3

International :

1

Current projects :



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Gak M. Dragana			
Academic title:			Lecturer					
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				16.09.2009			
Scientific or art field:					English			
Acad	lemic caries	er	Year	Institution	ial Managaman	t Novi	Field	
Acad	lemic title e	ection:	2008	Sad	lai Manayemen		English	
Magi	ster thesis		2010	Faculty of Philosophy - I	Novi Sad		English and American Literature	
Bach	elor's thesis	5	2000	Faculty of Philosophy - I	Novi Sad		English	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arcl	hitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	e intermediate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
						(GUU) Civi	II Engineering, Undergraduate Academic Studies	
						Undergrad	uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	EJ01L	English Language – Elementary			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies(P00) Production Engineering, Undergraduate Academic Studies			
						(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
						(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
						(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
6.	EJ01Z	Englis	h Language	e - Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
					(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(M20) Me Undergrad	chanization and Construction Engineering, luate Academic Studies	
7.	EJ02L	Englisl	h Language	e – Pre-Intermediate		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
			-			(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Environmental Engineering, Undergraduate Academic Studies		

STAS STUD ORUM

UNIVERSITY OF NOVI SAD

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	ID	Course name	Study programme name, study type
			(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
		English Language – Upper Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
	EJ04L		(Z01) Safety at Work, Undergraduate Academic Studies
10.			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
		English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
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



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



-NEOK			
List c	of courses b	eing held by the teacher in the accredited study programme	
	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(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
	EJ3L	English Language – Advanced	(F10) Engineering Animation, Undergraduate Academic Studies
14.			(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	E IM	English Language - ESP Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies
23.	LJIVI	Linglish Language – Lor Course	(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

Academic Studies

(F00) Graphic Engineering and Design, Undergraduate

(SII) Software and Information Technologies (Inđija),

(SII) Software and Information Technologies (Inđija),

(AS0) Scenic Architecture, Technique and Design,

Undergraduate Professional Studies

Undergraduate Professional Studies

Undergraduate Academic Studies

F321

ISIT01

ISIT07

ASI381

English Language - ESP Course 2

English Language 1

English Language 2

English language 1

27

28.

29

30.



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

courses bein	a held bv tl	ie teacher ii	n the accredited	d studv proa	rammes

List o	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	E.IIIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies			
04.	Lonivi		(I20) Engineering Management, Undergraduate Academic Studies			
			(E20) Computing and Control Engineering, Undergraduate Academic Studies			
			(ES0) Power Software Engineering, Undergraduate Academic Studies			
			(F10) Engineering Animation, Undergraduate Academic Studies			
35.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
			(AH0) Architecture, Master Academic Studies			
		English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies			
	EJ2Z		(ES0) Power Software Engineering, Undergraduate Academic Studies			
			(F10) Engineering Animation, Undergraduate Academic Studies			
36.			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
			(AH0) Architecture, Master Academic Studies			
37.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies			
38.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
39.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies			
40.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies			
Re	presentative	e refferences (minimum 5, not more than 10)				
1.	Gak Drag	gana, Lorejn Hansberi i (afro) američka porodica, Zadužbina	a Andrejević, Beograd, 2012			
2.	Gak Drag Zbornik r	gana, Bulatović Vesna, Bogdanović Vesna, Poređenje nasta adova sa međunarodne konferencije Jezik struke: Teorija i	ave engleskog jezika na privatnom i državnom fakultetu, praksa, Univerzitet u Beogradu, str. 705-709, Beograd, 2009.			
3.	Bulatović međunar	: Vesna, Gak Dragana, Bogdanović Vesna, Nastava stranih odne konferencije Jezik struke: Teorija i praksa, Univerzitet	jezika na privatnom fakultetu, Zbornik radova sa u Beogradu, str.329-333, Beograd, 2009.			
4.	Bogdano broj 98, c	vić Vesna, Gak Dragana, Univerzalana simbolika na primer Jecembar , Pančevo, 2010	ru afro-američke zajednice u drami Lorejn Hansberi, Sveske,			
5.	Gak Drag međunar	gana, Borković Bojana, Needs Analysis: A Basis of a Succe odne konferencije Jezik struke: Izazovi i perspektive, Unive	ssful Business English Course, Zbornik radova sa rzitet u Beogradu, str. 880-885, Beograd, 2011.			
6.	Bulatović radova sa	: Vesna, Gak Dragana, Speaking Skills: Advantages and Pr a međunarodne konferencije Jezik struke: Izazovi i perspek	oblems Involved When Teaching Business English, Zbornik tive, Univerzitet u Beogradu, str. 235-240, Beograd, 2011.			
7.	Gak Drag Novi Sad	gana, 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



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



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Gerić D. Katarina				
Academic title:					Full Professor		
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad		
starting date:					02.12.1976		
Scier	ntific or art f	ield:			Material Scie	nce and Eng	gineering Materials
Acad	emic cariee	er	Year	Institution			Field
Acad	emic title el	ection:	2008	Faculty of Technical Scie	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	S	1974	Faculty of Technology a	nd Metallurgy -	Beograd	Metallurgical Engineering
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	es I	
	ID	Course	e name			Study pro	gramme name, study type
1.	H106	Materia	als in Mech	anical Engineering		(H00) Med	chatronics, Undergraduate Academic Studies
						(M20)Mee Undergrad	chanization and Construction Engineering, uate Academic Studies
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies
2.	M105	Mecha	inical Mater	ials		(M40) Tec Undergrad	chnical Mechanics and Technical Design, uate Academic Studies
						(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies
						(P00) Prod Studies	duction Engineering, Undergraduate Academic
3.	P2412	Contemporary Materials				(P00)Proo Studies	duction Engineering, Undergraduate Academic
4.	P3401	Characteristics and Application of Plastic Material			aterials	(P00) Proo Studies	duction Engineering, Undergraduate Academic
						(MR0) Me	asurement and Control Engineering,
5.	ZC003	Electro	omechanica	I materials		(ZC0) Clean Energy Technologies, Undergraduate	
						Academic	Studies
6.	ZRI42A	Safety	at work in i	metallurgy and thermoche	mical	(Z01) Safe	ety at Work, Undergraduate Academic Studies
7.	P2502	Proper	ties and Se	lection of Materials		(PM0)Pro	duction Engineering, Master Academic Studies
8.	PTS01	Techn	ology of sin	tering		(PM0) Pro	duction Engineering, Master Academic Studies
9.	DM214	Select	ed Chapters	s in Working Strength		(M00) Me	chanical Engineering, Doctoral Academic Studies
10.	SAP002	Engine	ering Mate	rials		(M00) Me	chanical Engineering, Doctoral Academic Studies
11.	SAP004	Fractu	re Mechani	cs		(M00) Me	chanical Engineering, Doctoral Academic Studies
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)			
1.	Vratnica, alloys, Ma	M., Pluv aterials	vinage, G., and Design	Jodin, P., Cvijović, Z., Rał , 2013, Vol. 44, pp. 303-3	kin, M., Burzić, 10, ISSN: 0261	Z., Gerić, K I-3069.	.: Notch fracture toughness of high-strength Al
2.	Cvijovic Z 232, 2008	Z,Vratnic 3, pp. 58	ca M, Geric 39-594	K: Fractographic analysis	of fatigue dam	age in 7000) aluminium alloys, Journal of Microscopy, Vol
3.	Stasevic, comparis	M., Mal ons, Te	ksimovic, S chnics Tech	., Geric, K., Burzic, Z., Vas nologies Education Mana	sovic, I.: Fatigu Igement - TTEI	ie crack pro M, 2012, Vo	pagation models: Numerical and experimental I. 7, No. 2, pp. 801-810, ISSN: 1840-1503.
4.	Stašević, propertie	M., Mal s, Stroja	ksimović, S Irstvo, 2011	., Gerić, K., Burzić, Z., Ma , Vol. 53, No. 3, pp. 171-1	ksimović, M.: F 78, ISSN: 056	atigue crac 2-1887.	k growth prediction from low cycle fatigue
5.	Vratnica Material S	M, Cvijo Science	vic Z, Geric Forum vol.	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.	Gerić K., Metallurg	Sedmal y and no	k S., Glavar ew material	danov I. : Fracture mecha s researches. Vol.II, No.1	nics paramete -2, 1994, 114-1	rs of heat af 25	fected zone of high strength microalloyed steel,
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, (for crack	Glavarda in HSLA	anov I, Sed of Underm	mak S.: Relability and Struatched and Overmatched	uctural integrity weldments, E	of advance	ed materials, deo J integral and Final Strech zone ation LTD, pp. 996-1005
9.	Gerić K.:	Prsline	u zavareno	m spoju, monografija, Fak	ultet tehničkih	nauka, Novi	i Sad, 2005.

UNIVERSITY OF NOVI SAD VOIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Clean Energy Technologies Presentative 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

Clean Energy Technologies

Name and last name:					Govedarica J. Miro		
Academic title:					Full Professor		
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad		
starting date:					22.02.1994		
Scier	ntific or art f	ield:			Geodesy and	Geomatics	Engineering
Acad	emic cariee	er	Year	Institution			Field
Acad	emic title el	lection:	2012	Faculty of Technical Scie	ences - Novi Sa	ad	Geodesy and Geomatics Engineering
PhD	thesis		2001	Faculty of Technical Scie	ences - Novi Sa	ad	Geoinformatics
Magi	ster thesis		1998	Faculty of Technical Scie	ences - Novi Sa	ad	Applied Computer Science and Informatics
Bach	elor's thesis	S	1987	Faculty of Civil Engineer	ing - Sarajevo		Geodesy
List c	of courses b	eing he	d by the tea	acher in the accredited stu	idy programme	S	
	ID	Course	e name			Study pro	gramme name, study type
						(E20) Con	nputing and Control Engineering, Undergraduate
1.	AU54	Geoinf	ormation Sy	ystems		(GI0) Geo	desy and Geomatics, Undergraduate Academic
2.	E241	Geosp	atial Techno	ologies		(E20) Con	nputing and Control Engineering, Undergraduate
3.	F114	Graphi	c applicatio	ns		(F00) Gra	ohic Engineering and Design, Undergraduate
4.	GI003	Geosp	atial Data Ir	nfrastructure		(GI0) Geo	desy and Geomatics, Undergraduate Academic
5	GI020	laser	Scanning of	Terrain and Objects		(GI0) Geo	desy and Geomatics, Undergraduate Academic
6	CIO25R	Goodo	tic Motroloc			(GI0) Geo	desy and Geomatics, Undergraduate Academic
0.	GIUZOB					Studies	desv and Geomatics. Undergraduate Academic
7.	Gl211	Geoinformatics				Studies	dooy and Coomation, Undergraduate Academia
8.	GI408A	Geospatial Databases				Studies	
9.	URZP44	Application of geoinformation technology in management			i risk	(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies
10.	Z410A	Geospatial technologies and systems				(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic
11.	Z410	Geoinformacione tehnologije i sistemi(uneti engleskom)			naziv na	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic
12.	BM119A	The ap system	plication of s in medici	geoinformation technolog	jies and	(BM0) Bio Studies	medical Engineering, Undergraduate Academic
13.	GG99	Geosp	atial techno	logies - basics		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies
14.	GI207	GNSS	basics			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
15.	GI209	Photog	grammetry			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
16.	GI406A	Funda	mentals of F	Remote Sensing and Imag	ge Processing	(GI0) Geo Studies (SE0) Soff	desy and Geomatics, Undergraduate Academic ware Engineering and Information Technologies,
17.	ZC028	Geosp	atial techno	logies and systems		(ZC0) Clea	an Energy Technologies, Undergraduate
18	GI501	Geono	rtals and G	eospatial Services		(GI0) Geo	desv and Geomatics Master Academic Studies
19	GI502	Locatio	on Based So	ervices		(GI0) Geo	desv and Geomatics, Master Academic Studies
20	GI504	Advan	ced Technic	nues of Laser Scanning			desy and Geomatics, Master Academic Studies
20.	GI517	Digital	Photogram	metry			desy and Geomatics, Master Academic Studies
22	GI512	Geodo	sv in City D	lanning			desy and Geomatics, Master Academic Studies
<u> </u>	0010	Could	Sy in Oity F	laming		(E20) Con	nouting and Control Engineering Master
23.	GIAU05	Geoportals and Geoservices				Academic	Studies



List

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

of courses bein	ia held hy the	teacher in the	accredited study	programmes

	ID	Course name	Study programme name, study type				
24.	GI531	Application of GNSS systems	(GI0) Geodesy and Geomatics, Master Academic Studies				
25.	GI532	Advanced Remote Sensing Technologies	(GI0) Geodesy and Geomatics, Master Academic Studies				
26.	GI534	Service oriented architecture in GIS	(GI0) Geodesy and Geomatics, Master Academic Studies				
27.	GI536	Spatial and temporal databases	(GI0) Geodesy and Geomatics, Master Academic Studies				
28.	GI540	Valuation of real estate	(GI0) Geodesy and Geomatics, Master Academic Studies				
29.	GI700	Geospatial data visualization	(GI0) Geodesy and Geomatics, Master Academic Studies				
30.	GIAU02	Position Based Services	(E20) Computing and Control Engineering, Master Academic Studies				
31.	GIAU03	Remote Sensing and Computer Image Processing	(E20) Computing and Control Engineering, Master Academic Studies				
32.	GIAU04	Geospatial data visualization	(E20) Computing and Control Engineering, Master Academic Studies				
33.	SDGI01	Selected topics in geoinformation systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
34.	SDGI06	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
35.	SDGI08	Selected topics in laser scanning	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
36.	SDGI10	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
37.	SDGI13	Selected topics in spatial data infrastructure	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
38.	SDGI1C	Selected topics in geospatial data visualization	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
39.	SDGI1F	Selected topics in photogrammetry	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
40.	SDGI3C	Selected topics in Geoportals	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
41.	SDGI5D	Selected Chapters in the Mass Appraisal of Real Estate	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
42.	SDGI5F	Basic topics in remote sensing and image processing	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
43.	SDGI6A	Selected Chapters in Appraisal	(GI0) Geodesy and Geomatics, Specialised Academic Studies				
44.	DAU011	Selected Chapters in Geographic Information Systems and Technologies	(E20) Computing and Control Engineering, Doctoral Academic Studies				
45.	DGI001	Selected Chapters in Geoinformation Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
46.	DGI003	Selected Chapters in Photogrammetry and Remote Sensing	(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
47.	DGI006	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
48.	DGI008	Selected Chapters in Laser Scanning	(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
49.	DG1009	Selected Chapters in GNSS Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
50.	DGI010	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
51.	DGI013	Selected Chapters in Spatial Data Infrastructure and Standardization	(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
52.	DGI019	Selected Chapters in Municipal Information Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies				
Rep	oresentative	refferences (minimum 5, not more than 10)					
1.	Ristić, A. Wave Pro	, Petrovački, D., Govedarica, M.: A New Method to Simultar opagation Velocity from GPR Data, Computers & Geoscience	neously Estimate the Radius of a Cylindrical Object and the ces, 2009, Vol. 35, Broj 8, str. 1620-1630, ISSN 0098-3004				
2.	Mogin P, nauka, N	Luković I, Govedarica M, "Principi projektovanja baza poda ovi Sad,2004, ISBN: 86-80249-81-5, 700 str.	taka", II izdanje, Univerzitet u Novom Sadu, Fakultet tehničkih				
3.	Govedarica Miro, Borisov Mirko, THE ANALYSIS OF DATA QUALITY OF TOPOGRAPHIC MAPS, JOURNAL GEODETSKI VESTNIK (IF 2010 0.215) ISSN 0351-0271						

5	TAS STUD		UNIVERSITY OF NO	VI SAD		WHEN X					
ANN A	(INCRU	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6						
200000		Study F	Study Programme Accreditation								
-Ot	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	HO					
Rep	Representative refferences (minimum 5, not more than 10)										
	Miro Goved	arica, Dušan Petrovački, Dubravka	Sladić, Aleksandra Ri	stić, Dušan Jovar	nović, Vladimir Pajić, Milan V	rtunski,					
1		RISTIC VENTAL DATA IN SERBIAN SPATI									
Τ.	Journal of E	ivironmental Protection and Ecology JEPE 2011									
	(IF 2010 0.1	178)									
Govedarica Miro, Boskovic Dubravka, Petrovacki Dusan, Ninkov Tosa, Ristic Aleksandar											
э.	GEODETS	KI LIST, (2010), vol. 64 br. 4, str. 31	13-334 (IF 2009 0.167)	1							
	Jasmina Ne	edeljković Ostojić, Miro Govedarica,	, Toša Ninkov,								
6.	Analysis of	Structure Surveying Method by 3D Laser Scanners									
	65(88); 1; (2	2011) (IF 2010 0.038)	IIUSIVA								
7	Ristić A., Al	polmasov B., Govedarica M., Petrov	vački D., Ristić A.: Sh	allow-landslide sp	atial structure interpretation	using a multi-					
1.	geophysica	I approach, Acta Geotechnica Slove	enica, 2012, Vol. 9, No	1/2012, pp. 47-5	9, ISSN 1854-0171	-					
8.	Tosa Ninko	v, Miro Govedarica, Milan Trifkovic	, One Method of Rene	wal of Stereograp	ohics Survey Data in Coka M	lunicipality					
	Geodetski i	Ist : glasilo Hrvatskoga geodetskog	drustva 66(89) (2012)	, 4;		la fa ma a ti a mand					
9.	Organizatio	nal Sciences (JIOS), Varaždin, Cro	ne Structure of A Subs atia, ISSN: 0351-1804	, Vol. 26, No. 1-2	NL Specification", Journal of , 2002, pp. 69-85	Information and					
10.	Govedarica 92, str. 16-	M, Miladinović M: Informacioni sist 27, ISSN 0350-7971	tema katastara nepokr	etnosti – Terrasof	t, Geodetska služba, 2002, v	Vol. XXXI, No.					
Sur	nmary data fo	r teacher's scientific or art and profe	essional activity:								
Quot	ation total :		8								
Total	of SCI(SSCI)	list papers :	6								
Curre	ent projects :		Domestic :	5	International :	1					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Grbić P. Tatjana						
Acad	lemic title:				Assistant Professor				
Nam	e of the inst	titution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starting date:			15.12.1995						
Scier	ntific or art f	ield:			Mathematics				
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic title e	lection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Mathematics		
PhD	thesis		2008	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Magi	ster thesis		1999	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Bach	elor's thesi	s	1993	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	ogramme name, study type		
1	E135	Probal	hility Statist	tics and Stochastic Proces	2505	(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies		
	L 100	TIODA	onity, otatio			(E10) Pow Engineerin	er, Electronic and Telecommunication Ig, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
2.	E212	Mathematical Analysis 1				(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
							(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
3.	GI303B	Probal	bility and M	athematical Statistics		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
		14 Mathematics 1				(Z01) Safe	ety at Work, Undergraduate Academic Studies		
						(ZC0) Cle Academic	C0) Clean Energy Technologies, Undergraduate ademic Studies		
4.	Z104					(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate Academic Studies			
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
5.	Z203	Statist	ical Method	s		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
6.	BMI91	Mathe	matics 1			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
7.	BMI92	Mathe	matics 2			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
8.	IA001	Algebr	a			(F10) Eng Studies	ineering Animation, Undergraduate Academic		
9.	IA002	Mathe	matical Ana	Ilysis		(F10) Eng Studies	ineering Animation, Undergraduate Academic		
10.	P216	Numerical Analysis				(P00) Pro Studies	duction Engineering, Undergraduate Academic		
11.	S01361	Business decision making				(S01) Pos Undergrad	tal Traffic and Telecommunications, luate Academic Studies		
12.	0M505	Stocha	astic Proces	sses		(OM1) Ma Studies	thematics in Engineering, Master Academic		
13.	0ML505	Stocha	astic Proces	sses		(OM1) Ma Studies	thematics in Engineering, Master Academic		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List of courses being held by	the teacher in the accredited stud	v programmes

	ID	Course name	Study programme name, study type		
			(E11) Power, Electronic and Telecommunication		
			(112) Industrial Engineering Specialised Academic Studies		
14.	DZ01MS	Selected Chapters in Mathematics	(122) Engineering Management, Specialised Academic Studies		
			(Z00) Environmental Engineering, Specialised Academic Studies		
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies		
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies		
17.	SDOM3 0	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies		
18.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
19.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
20.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
21.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
22.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
23.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
24.	D0M52	Random Sets	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
25.	D0M53	Statistical Processing of Fuzzy Data	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
		Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies		
26	DOM20		(M40) Technical Mechanics, Doctoral Academic Studies		
20.	DOINISU		(200) Environmental Engineering, Doctoral Academic Studies		
			(Z01) Safety at Work, Doctoral Academic Studies		
			Engineering, Doctoral Academic Studies		
			(E20) Computing and Control Engineering, Doctoral Academic Studies		
			(F00) Graphic Engineering and Design, Doctoral Academic Studies		
			(F20) Engineering Animation, Doctoral Academic Studies		
			(G00) Civil Engineering, Doctoral Academic Studies		
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies		
27.	DZ01M	Selected Chapters in Mathematics	(H00) Mechatronics, Doctoral Academic Studies		
			(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
			(M00) Mechanical Engineering, Doctoral Academic Studies		
			(M40) Technical Mechanics, Doctoral Academic Studies		
			(OM1) Mathematics in Engineering, Doctoral Academic Studies		
			(S00) Traffic Engineering, Doctoral Academic Studies		
			(Z00) Environmental Engineering, Doctoral Academic Studies		
			(Z01) Safety at Work, Doctoral Academic Studies		
Rep	oresentative	refferences (minimum 5, not more than 10)			
1.	Ralević, I represent	N.M., Nedović, Lj., Grbić, T., :"The pseudo-linear superposit tation of their solution by the pseudo-integral", Fuzzy sets a	ion principle for nonlinear partial differential equations and nd systems, 2005, No.155, 89-101		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Rep	Representative refferences (minimum 5, not more than 10)								
2.	Nedović, Lj., Ralević, N. M., Grbić, T.,: " Large 2005, No. 105, 65-76	deviation principle wit	h generated pseu	do measures", Fuzzy sets a	nd systems,				
3.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Pseud-Riemann-Stieltjes integral ", Information Sciences 179, 2009, 2923-2933								
4.	M. Štrboja, T. Grbić, I. Štajner-Papuga, G. Grujić, S. Medić, Jensen and Chebyshev inequalities for pseudo-integrals of set-valued functions, FSS, doi:10.101016/j.fss.2012.07.011								
5.	Grbić, T., Pap, E., : "Generalization Of Portamnteau theorem with respect to the pseudo-weak convergence of random closed sets", Theory of Probability and its Applications, 2009, 97-115								
6.	T. Grbić, I. Štajner-Papuga, M. Štrboja, an approach to pseudo-integration of set-valued functions, Information Sciences 181 (2011), 2278-2292								
7.	T. Grbić, S. Medić, I. Štajner-Papuga, T. Došenović, Inequalities of Jensen and Chebyshev type for interval-valued measures based on pseudo-integrals. In: Intelligent Systems: Models and Applications, E. Pap, Ed., Springer-Verlag, pp 23-41, DOI:10.1007/978-3-642-33959-2_2								
8.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Rie Mathe., Vol. 36, No. 2, 111-124	emann-Stieltjes type ir	ntegral based on g	generated pseudo-operation	s", NS J.				
9.	Nedović, Lj., Grbić, T., "The pseudo-probability	", Journal of Electrical	Engineering, 200	02, Vol. 53, No. 12/s, 27-30					
10.	Mihailović, B., Nedović, T., Grbić, T., "The induced Sugeno integral-based operator w.r.t. bi-fuzzy measures", Journal of Electrical engineering, Vol. 54, No. 12/s, 76-79								
Sur	nmary data for teacher's scientific or art and profe	essional activity:							
Quot	ation total :	17							
Tota	of SCI(SSCI) list papers :	6							
Curre	ent projects :	Domestic :	2	International :	0				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:				Grković R. Vojin				
Acad	lemic title:				Full Professor			
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:					01.06.1994			
Scientific or art field:					Thermal Energetics and Thermotechnics			
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	1993	Faculty of Technical Sci	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics	
PhD	thesis		1984	Faculty of Mechanical E	ngineering - Be	eograd	Mechanical Engineering	
Magi	ster thesis		1974	Faculty of Mechanical E	ngineering - Be	eograd	Mechanical Engineering	
Bach	elor's thesis	5	1970	Faculty of Mechanical E	ngineering - Be	eograd	Mechanical Engineering	
List o	of 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.	EOS38	Energe	etski menac	lžment		(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical Indergraduate Professional Studies	
2.	M3302	Therm	oenergy Pla	ants		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
3.	M3405	Therma	al Turbines	1		(M30) Ene Academic	rgy and Process Engineering, Undergraduate Studies	
4.	M3501	Refrige	eration Devi	ices		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	Z206	Alterna	ative Power	Engineering		(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
6.	Z206A	Alternative Energy Sources				(Z01) Safe	ety at Work, Undergraduate Academic Studies	
7.	ZOI312	Therma	al Power Pl	ants		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
8.	ZOI31A	Thermal power plants				(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
9.	M211	Measu	rement and	I Regulation		(M30) Energy and Process Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate		
10.	M3495	Therma	a Energy E	kuipment		(M30) Energy and Process Engineering, Undergraduate Academic Studies		
11.	1938	Energy	and Socie	ty		(M50) Energy Management, Master Academic Studies		
12.	M3505	Proces	ses and Co	onstructions of Multistage	Turbine	(M30) Energy and Process Engineering, Master Academic Studies		
13.	1939	Merenj	e, nadzor i	upravljanje		(M50) Energy Management, Master Academic Studies		
14.	M3503	Dinami postroj	ika i modeli enja(uneti r	ranje termoenergetskih naziv na engleskom)		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
15.	M3515	Energy	/ Systems	~ /		(M30) Ene Studies (M50) Ene	ergy and Process Engineering, Master Academic ergy Management, Master Academic Studies	
16.	M5022	Renew	able energ	y sources		(M50) Ene	ergy Management, Master Academic Studies	
17.	M5025	Energy	/ audits			(M50) Ene	ergy Management, Master Academic Studies	
18.	DM216	Energy	/ Systems			(M00) Med	chanical Engineering, Doctoral Academic Studies	
19.	DM217	Energy	/ Managem	ent in Idustry		(M00) Med	chanical Engineering, Doctoral Academic Studies	
20.	DM219	Energy	Politics			(M00) Med	chanical Engineering, Doctoral Academic Studies	
21.	DM302	Engine	ering Expe	rimental Methods		(H00) Mec	chatronics, Doctoral Academic Studies chanical Engineering. Doctoral Academic Studies	
22.	DM310	Mather	matical Pro	cess Modellina		(M00) Med	chanical Engineering. Doctoral Academic Studies	
23.	DM318	Conter	nporarv Me	thods for Turbomachine [Design	(M00) Med	chanical Engineering. Doctoral Academic Studies	
24.	DM319	Optimi	zation of Po	ower Machine and Therma	al Equipment	(M00) Med	chanical Engineering. Doctoral Academic Studies	
25.	DM333	Renew	able Energ	y Resoruces		(M00) Med	chanical Engineering, Doctoral Academic Studies	
26.	DM334	Optimi	zation of Er	- nergy Systems Operation		(M00) Med	chanical Engineering, Doctoral Academic Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES **Clean Energy Technologies** Representative refferences (minimum 5, not more than 10) Grković V.: "Energy-Efficiency Improvements by Joint Oeration of Two DH Systems Using Old Condensing Turbines", ENERGY, 1 the International Journal, Vol.22, (1997), No. 11, pp. 1099-1102. Grković V.: "Selection of the Optimal Extraction Pressure for Steam from a Condensation-Extraction Turbine", ENERGY, the 2 International Journal, Vol.15, (1990) No. 5, pp. 459-465. Grković V:: "Optimisations for District Heating of Belgrade from the Kolubara Energy and Industrial Complex", ENERGY, the 3 International Journal, Vol. 14, (1989) No.11, pp. 747-756. Grkovič V.: "Optimizacija parametrov otbora u kondensacionih turbin s promežutočnim otborom para", TEPLOENERGETIKA, 4 1989, No. 6, s. 72-75. Grković V.: "Simulation stationaerer Betriebszustaende von Kondensationsturbinen mit Fernwaermeauskoppelung, BWK, 39, 5 (1987), No. 7/8, S. 349 Grković V.: "Mathematisches Modell zur Optimierung des Auslegungsentnahmedrueckes an der einer Kondensationsturbine mit 6 Fernwaermeauskopplung", FERNWAERME INTERNATIOAL FWI, Vol. 20, (1991), Nr. 11, S. 616-626 Grković V. and Nedeljković Lj.: "Possibilities and Limitations of Fracture Mechanics Methods in Fitness-for-Purpose Evaluation of 7. a Turbine Rotor with a Large Ultrasonic Indication Zone", STRENGTH OF MATERIALS, the International Journal, 1995, No. 1-2, pp.39-52 Grković V.: "A Method for Calculation of Forces Acting on the Gas Turbine Blades with Film and Effusion Cooling", XIV Brazilian 8 Congress of Mechanical Engineering, Obeid Plaza Hotel Convention Center - Bauru - SP Brazil, Dec. 08-12th 1997, Proceedings (on CD ROM), Paper Code 1100. Grković V.: " Tehniloške osnove regulisanja parnih turbina za spregnutu proizvodnju električne i toplotne energije", Futura-9 publikacije, Novi Sad, 1995, ISBN 86-7188-001-X. Grković V.: A New Approach in CHP Steam Turbines Thermodynamic Cycles Computations, Thermal Science, 2012, Vol. 16, No 10 2, ISSN 0354-9836. Summary data for teacher's scientific or art and professional activity: Quotation total : 12 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

Clean Energy Technologies

Name and last name:					Grubić-Nešić S. Leposava				
Acad	lemic title:				Associate Professor				
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Te	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.10.2007				
Scientific or art field:					Production Systems, Organization and Management				
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic title e	lection:	2010	Faculty of Technical Sci	ences - Novi S	ad	Production Systems, Organization and Management		
PhD	thesis		2003	Faculty of Technical Sci	ences - Novi S	ad	Engineering Management		
Magi	ster thesis		2002	Faculty of Entrepreneuri Sad	al Managemen	it - Novi	Engineering Management		
Bach	elor's thesis	S	1981	Faculty of Philosophy - I	Beograd		Psychological Science		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	ogramme name, study type		
1.	11934	Psicho	logy of Wo	rk		(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
2.	IM1025	Humar	n resources	management		(I20) Engi Studies	neering Management, Undergraduate Academic		
3	IM1906	Work r	motivation			(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
0.	1011000	Worki	nouvation			(I20) Engir Studies	neering Management, Undergraduate Academic		
4.	IM1916	Indust	rial psychol	оду		(I20) Engir Studies	neering Management, Undergraduate Academic		
5.	S0I322	Humar	n Resource	s Management		(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies		
6	1076/5	Leade	rshin and cl	22000		(I20) Engi Studies	neering Management, Specialised Professional		
0.	107 0/3	Leave	rship and d	lange		(IB0) Engineering Management - MBA, Specialised Professional Studies			
7	1025/9	Motivo	ting Employ	(000		(I20) Engi Studies	neering Management, Specialised Professional		
7.	1930/3	wouva		yees		(IB0) Engineering Management - MBA, Specialised Professional Studies			
		Coloct	ad abantara	in ontorpriado design or	conization	(112) Indu	strial Engineering, Specialised Academic Studies		
8.	IMDR0S	and co	ontrol	in enterprise's design, or	ganization	(I22) Engi Studies	neering Management, Specialised Academic		
9.	IMDS51	Organ	izatonal beł	naviour		(I22) Engi Studies	neering Management, Specialised Academic		
10.	MBA308	Busine	ess commur	nication		(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		
11.	MBA309	Humar	n Resource	Management in Knowled	ge Economy	(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		
40	MDAC40	laada	abia davala			(I20) Engi Studies	neering Management, Specialised Professional		
12.	MBA213	leader	rship develo	opment and teamworking		(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		
						(I20) Engi Studies	neering Management, Specialised Professional		
13.	MBA515	decisio	on macing a	ind change		(IB0) Engi Profession	ineering Management - MBA, Specialised al Studies		
						(I20) Engi Studies	neering Management, Specialised Professional		
14.	MBA522	Lobbyi	ing, present	ation and negotiation skill	S	(IB0) Engi Profession	ineering Management - MBA, Specialised al Studies		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

LIST										
	ID	Course name		Study program	me name, study type					
				(I20) Engineerin Studies	g Management, Specialised	Professional				
15.	MBA524	interculture business communication	IS	(IB0) Engineering Management - MBA, Specialised Professional Studies		cialised				
16.	RPR013	Management of Human Resources		(RPR) Regional Development Planning and Management, Master Academic Studies						
17.	IM2907	Leadership		(I20) Engineering	g Management, Master Acad	lemic Studies				
18.	IM2913	Teamwork		(I20) Engineering	g Management, Master Acad	lemic Studies				
19.	IMDS77	Selected Chapters from Human Res	ource Management	(I22) Engineerin Studies	g Management, Specialised	Academic				
20.	IMDR0	MDR0 Science of Industrial Engineering and Management (120) Industrial Engineering / Engineering Management, Doctoral Academic Studies								
21.	IMDR51 Organisational Behavior (I20) Industrial Engineering / Engineering Manage Doctoral Academic Studies (I20) Industrial Engineering / Engineering Manage				anagement,					
22.	IMDR77	Selected Chapters from Human Res	ource Management	(I20) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,				
Rep	Representative refferences (minimum 5, not more than 10)									
1.	1. Razvoj ljudskih resursa, AB Print, Novi Sad, 2005.									
2.	2. Znati biti lider. AB print. Novi Sad. 2008.									
3.	Cabrilo, S.; Grubic-Nesic, L.(2012). "The role of creativity, innovation and invention in knowledge management", in Buckley, S. and Jakovljevic, M (eds.) Knowledge Management Innovations for Interdisciplinary Education: Organisational Applications, Hershey, USA: IGI Global									
4.	Mitrovic,S economy	S.,Milisavljevic,S.,Cosic,I.,Lekovic,B.,G : A Serbian case study, African Journa	Grubic-Nesic,L.,Ivanise al of Business Manage	evic,A., Changes i ement, Vol. 5(9), p	n leadership styles in a trans pp. 3563-3569, 2011. ISSN	sitional 1993-8233				
5.	Ratkovic- Case Stu	Njegovan, B.,Vukadinovic, M.,Grubic- dy, Sociologija, 2011, Vol. 43(6), pp.6	Nesic, L.,Characterist 57-673.	ics and Types of <i>i</i>	Authority: the Attitudes of Yo	ung People. A				
6.	Kirin, S., Making P	Grubic-Nesic, L., Cosic, I. (2010). Incr Process, Hemijska Industrija, ISSN 036	easing a Large Petroc 37-598X, doi: 102298/	chemical Compan hemind 10071004	y Efficiency by Improvement I8k, vol.64 broj 5, str.465-472	of Decision				
7.	Kolaric, E study of	., Grubic-Nesic, L., Radojcic, S., (201 Felecom Serbia, African journal of bus	1). The challenges of iness management, Is	the customer ser SSN 1993-8233, v	vices for modern market rec /ol 5(1), pp. 156-167	quests: a case				
8.	Kirin S., S industrija	Sedmak A., Grubic-Nesic L., Cosic I., , 2012, pp. 52-52, ISSN 0354-7531, U	(2012). Project risk m IDK: doi:10.2298/HEM	anagement in cor IIND110709052K	nplex petrochemical system,	Hemijska				
9.	Grubic-N restructu	esic, L., Vranjes, S., Ratkovic-Njegova ring: a sample of organizations in Sert	an, B., Mitrovic S.: Ati pia, Metalurgia interna	tudes of the empletional, 2012, Vol.	oyees about the organizatior 17, No 12, ISSN 1582-2214	nal				
10.	Konja, V. Metalurgi	, Grubic-Nesic, L., Mitrovic, S., (2012) a international, 2012, Vol. 17, No. 11,	. Leader-member exc pp. 146-153, ISSN 15	change: a short ca 82-2214	ase study from a Serbian con	npany,				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		6							
Total	of SCI(SS	CI) list papers :	8							
Curre	ent projects	:	Domestic :	2	International :	2				



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Gvozdenac D. Dušan						
Acad	lemic title:				Full Professor				
Nam	e of the inst	itution w	here the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad		
starting date:					01.06.1973				
Scier	ntific or art f	ield:			Thermal Ener	Thermal Energetics and Thermotechnics			
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	ection:	1993	Faculty of Technical Sci	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics		
PhD	thesis		1981	Faculty of Mechanical E	ngineering - Be	eograd	Thermal Energetics and Thermotechnics		
Magi	ster thesis		1978	Faculty of Technical Sci	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics		
Bach	elor's thesis	S	1973	Faculty of Technical Sci	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics		
List o	of 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.	EOS38	Energe	etski menad	žment		(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
2.	M119	Energy	/ Transform	ations		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
3.	M222A	Energy	/ System Er	ngineering		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
	M2211	Popor	able Enora	N Sources		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
4.	1013311	Reliew	able Ellerg	y Sources		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
5.	M3501	Refrige	eration Devi	ces		(M30) Energy and Process Engineering, Undergraduate Academic Studies			
6.	Z206	Alternative Power Engineering				(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
7.	Z206A	Alternative Energy Sources				(Z01) Safe	ety at Work, Undergraduate Academic Studies		
8.	Z206	Alternativna energetika(uneti naziv na engle			eskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
	F0242	Funda	montala of l	Drosses and Energy Englis	nooring	(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
9.	E2313	Fullua	mentais or r	Focess and Energy Engli	neening	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
10.	II1044	Energy	flows and	energy efficiency		(I10) Industrial Engineering, Undergraduate Academic Studies			
11	M011	Mooou	romont and	Bogulation		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
11.	1012 1 1	Measu	rement and	Regulation		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
12.	M3031	Engine Appara	ering Calcu atus and Eq	Ilations of Energy Techno uipment	logies	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
12	M3404	Energy				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
10.	1010-0-	Lifeigy	enciency			(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
14.	1939	Merenj	e, nadzor i	upravljanje		(M50) Ene	ergy Management, Master Academic Studies		
15.	IMDS78	Odabra naziv r	ana poglavl na englesko	ja iz energetskog menadž m)	tmenta(uneti	(I22) Engi Studies	neering Management, Specialised Academic		
16.	M3503	Dinam postroj	ika i modeli enja(uneti r	ranje termoenergetskih naziv na engleskom)		(M30) Ene Studies	ergy and Process Engineering, Master Academic		
17.	M3M07	Energy	v storage			(ZC0) Clea Studies	an Energy Technologies, Master Academic		
18.	M5022	Renew	able energ	y sources		(M50) Ene	ergy Management, Master Academic Studies		
19.	SZSP24	Savrer	neni princip	i energetskog menadžme	enta	(Z00) Environmental Engineering, Specialised Academic Studies			
20.	DM216	Energy	/ Systems			(M00) Me	(M00) Mechanical Engineering, Doctoral Academic Studies		
21.	DM217	Energy Management in Idustry				(M00) Me	chanical Engineering, Doctoral Academic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

st	of	courses	beina	held b	ov the	teacher	in the	e accredited	studv	program	me

List o	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	me name, study type				
22.	DM218	DM218 Contemporary Energy Technologies (M00) Mechanical Engineer				ademic Studies			
23.	DM219	Energy Politics		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies			
24.	DM302	Engineering Experimental Methods		(H00) Mechatronics, Doctoral Academic Studies					
25	DM309	Energy Management Methods (M00) Mechanical Engineering, Doctoral Academic Stud							
26.	DM332	Energy Management in Buildings		(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies			
27.	DM333	Renewable Energy Resoruces		(M00) Mechanic	al Engineering. Doctoral Ac	ademic Studies			
28.	ZSP24	SP24 Modern Principles of Energy Management (Z00) Environmental Engineering, Doctoral Academic Studies							
29.	IMDR78	IMDR78 Odabrana poglavlja iz energetskog menadžmenta(uneti naziv na engleskom) (120) Industrial Engineering / Engineering Management, Doctoral Academic Studies							
Rep	oresentative	e refferences (minimum 5, not more th	an 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.	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. Pešenianski, I.1980, (in Serbian). 								
4.	Measure Serbian).	ment and Regulation in Thermal Engi	neering, Faculty of Teo	chnical Sciences,	Gvozdenac, D, Novi Sad, 20	000. (in			
5.	Bilansiraı 2006.	nje energetskih tokova, Pokrajinski ce	ntar za energetku efika	asnost, Gvozdena	ac, D., Marić, M., Petrović, J.	, Novi Sad,			
6.	Gvozden Thailand,	ac D, Menke C, Vallikul P, Petrovic J, Energy, Volume 34, Issue 4, 2009, p	Gvozdenac B: Assess p 465-475	sment of potential	for natural gas-based coger	neration in			
7.	A Mather the ASM	natical Model for Heat Transfer in Cor E Journal of Engineering for Power, V	mbustion Chambers of ol. 103, 1981, pp. 545	Steam Generato – 551.	rs, Gulič, M, Gvozdenac, D,	Transactions of			
8.	Somchar Cogenera	oenwattana W, Menke C, Kamolpus I ation Plant in Public Buildings in Thaila	D, Gvozdenac D: Stud and, Energy and Build	y of Operational P ings, Vol. 43, Issu	Parameters Improvement of Nie 4, April, 2011. p. 925-934	Natural-Gas			
9.	Two-pase Stoffuebe	s counter cross-flow heat exchangers ertragung, Vol. 20, 1986, pp. 151 – 16	with both fluids unmix	ed throughout, Gv	vozdenac, D, Waerme - und				
10.	10. D.D. ASME Journal of Heat Transfer, Vol. 108, 1986, pp. 722-727								
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		71						
Tota	of SCI(SS	CI) list papers :	26						
Curre	ent projects	:	Domestic :	2	International :	1			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	Name and last name: Gvozder				Gvozdenac U	enac Urošević D. Branka		
Acad	lemic title:				Assistant Pro	stant Professor		
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Tec	chnical Scie	nces - Novi Sad	
Scio	nig date.	iold:			T5. T0.2004	nt Protection Engineering		
Academic carioer Vear Institution					LINIONINCIA	I TOLCCLION L	Field	
Acad	lemic title el	ection:	2011				Environment Protection Engineering	
	thesis	ection.	2011	Eaculty of Technical Sci	ances - Novi S	be	Thermal Energetics and Thermotechnics	
Magi	etor thosis		2011	Faculty of Technical Sci	ences - Novi S	ad	Thermal Energetics and Thermotechnics	
Deeb			2000	Faculty of Technical Scie		ad	Production Systems, Organization and	
Басп		5	2003	Faculty of Technical Sci		au	Management	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	1079	Moder	n Energy T	echnologies		(M50) Ene (ZC0) Clea	ergy Management, Master Academic Studies an Energy Technologies, Undergraduate	
2.	M119	Energy	/ Transform	ations		(ZC0) Clea	an Energy Technologies, Undergraduate	
3.	M222A	Energy	/ System E	ngineering		(M30) Ene	ergy and Process Engineering, Undergraduate	
						(M30) Ene	ergy and Process Engineering, Undergraduate	
4.	M3311	Renewable Energy Sources				Academic Studies		
						Academic Studies		
5.	Z453	Energy System Engineering				(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
6.	OAS214	Integralni katastar zagađivača(uneti naziv na englesko				(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
7.	Z205	Održiv životne	o korišćenje e sredine(ur	e prirodnih resursa i sisten neti naziv na engleskom)	n zaštite	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
8.	Z206	Alterna	ativna energ	getika(uneti naziv na engle	eskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
9.	ZC009	Energy	/, society a	nd environment		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
10.	ZC046	Energy	/ strategy			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(M50) Energy Management, Master Academic Studies		
11.	1079	Moder	n Energy T	echnologies		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
12.	1938	Energy	and Socie	ty		(M50) Ene	ergy Management, Master Academic Studies	
13.	Z508	Specifi	ični uslovi p e(uneti nazi	rojektovanja u zaštiti živol v na engleskom)	tne	(Z20) Envi	ronmental Engineering, Master Academic Studies	
14.	GS003	Renew	able Energ	y in Civil Engineering		(G10) Ene Studies	ergy Efficiency in Buildings, Specialised Academic	
15.	1078	Energe	etska politik	а		(M50) Ene	ergy Management, Master Academic Studies	
16.	M5022	Renew	able energ	y sources		(M50) Ene	ergy Management, Master Academic Studies	
17.	SGD023	Energe	etska efikas	nost građevinskih objekat	а	(Z00) Env Studies	ironmental Engineering, Specialised Academic	
18.	ZSP24	Moder	n Principles	of Energy Management		(Z00) Env Studies	ironmental Engineering, Doctoral Academic	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.	Assessm Gvozden	ent of p ac B., E	otential for NERGY 20	natural gas-based cogene 09	ration in Thaila	ınd;Gvozdeı	nac D., Menke C., Vallikul P., Petrovic J.,	
2.	Dragan M PLANT IN	1. UROŠ N VOJV	ŠEVIĆ, Brai ODINA, The	nka D. GVOZDENAC-URO ermal Science Year 2012,	DŠEVIĆ: COM Vol. 16, Suppl	PREHENSI . 1,S 97-106	VE ANALYSIS OF A STRAW-FIRED POWER	
3.	Gvozden	ac-Uroš	ević B: Ene	rgy Efficiency and GDP, T	hermal Scienc	e, ISSN: 03	54-9836, Vol. 14, No. 3, Str. 799-808, 2010	

S	AS STU		UNIVERSITY OF NO	VI SAD		ALK WX				
ALL OF OR OTHER		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6								
		Study Programme Accreditation								
(O)	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	AD HOS.				
Rep	presentative r	efferences (minimum 5, not more th	ian 10)							
4.	Jovan R. P EFFECTS 77	ETROVIĆ, Branka D. GVOZDENA ON PLANNING AND DEVELOPME	C-UROŠEVIĆ, Josip J. NT OF HEATING SYS	POLC: REASON TEMS, Thermal	IS FOR HEAT DEMAND (Science Year 2012, Vol. 1	CHANGES AND 6, Suppl. 1, S 63				
5.	Gvozdenac ISSN: 0354	D, Petrović J, Gvozdenac-Uroševio I-9836, 2010	ć B: Industrial Gas Tur	bine Operation P	rocedure Improvement, Th	ermal Science,				
6.	Petrović, J. postrojenja	., Gvozdenac,B., Računarski model – na primeru fabrike na Tajlandu, k	tehničke i ekonomske (GH- Klimatizacija, gre	ocene opravdano janje i hlađenje, 2	osti izgradnje distribuiranih 2007, No. 1/07, str. 49- 54	kogeneracionih				
7.	Gvozdenad	D, Gvozdenac-Urošević B, Morvaj	Z, ENERGETSKA EF	KASNOST, FTN	izdavaštvo, Novi Sad, 201	2				
8.	Gvozdenac Publishing,	c D, Nakomčić-Smaragdakis B, Gvo Novi Sad, 2012	zdenac-Urošević B, Rl	ENEWABLE ENE	RGY, Faculty of Technica	l Sciences				
9.	Model plan	iranja razvoja distribuirane kogener	acije i njene integracije	u regionalni ene	rgetski sistem					
10.	Bašić, Đ., Petrović, J., Marić, M., Dragutinović, G., Gvozdenac, B., Štrbac, D., Mogućnosti korišćenja energetskog potencijala geotermalnih voda u Vojvodini, PROMETEJ, Novi Sad, 2009									
Sur	nmary data fo	or teacher's scientific or art and prof	essional 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

Clean Energy Technologies

Nam	e and last n	ame:			Hadžistević J. Miodrag			
Acad	emic title:				Associate Pro	ofessor		
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.02.1993			
Scier	ntific or art f	ield:	X		Metrology, Qu	uality, Fixtur	es and Ecological-Engineering Aspects	
Acad	emic caries	er	Year	Institution				
Acad	emic title el	lection:	2010	Faculty of Technical Scie	ences - Novi Sa	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
PhD	thesis		2004	Faculty of Technical Scie	ences - Novi Sa	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
Magi	ster thesis		1999	Faculty of Technical Scie	ences - Novi Sa	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
Bach	elor's thesis	S	1992	Faculty of Technical Scie	ences - Novi Sa	ad	Cutting Processing Tools and Tribology	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	P1401	Fixture	e Design an	d Measuring Machines		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
2.	P1508	Revers	se Engineer	ing and CAQ		(SE0) Soff Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Soff Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
	5000					(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
3.	P209	Measu	irements an	d Quality		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
4.	P306	Fixture	es			(P00)Proo Studies	duction Engineering, Undergraduate Academic	
5.	URZP15	Work s	safety during	g interventions		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
6.	Z207	Mecha	inical Engin	eering in Environmental E	ingineering	(Z20) Environmental Engineering, Undergraduate Academi Studies		
7.	Z207A	Mecha	nical Engin	eering in Environmental E	ingineering	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
8.	Z301	Polluti	on Measure	ment and Control		(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
9.	Z416	EMS S	Systems			(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
10.	ZR101	Introdu	uction and F	Principles of Occupational	Safety	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
11.	ZR404	Occup	ational Safe	ety Systems, Means and E	Equipment	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
12.	Z207	Mašins naziv r	stvo u inžen na englesko	jerstvu zaštite životne sre m)	dine(uneti	(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
13.	Z416	EMS s	istemi(unet	i naziv na engleskom)		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
14.	IM1714	Introdu health	uction and p and safety	rinciples of occupational of	occupational	(I20) Engin Studies	eering Management, Undergraduate Academic	
15.	ZC036	Measu	irement and	control of pollution		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
16.	P1409	Materi	al Control S	ystems and CAI		(PM0) Pro	duction Engineering, Master Academic Studies	
17.	P1501	Ecoloc	jical Techno	ologies and Systems		(M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies	
						(PM0)Pro	duction Engineering, Master Academic Studies	
18.	Z416A	Enviro	nment Prote	ection System Manageme	nt	(PM0) Pro	duction Engineering, Master Academic Studies	
19.	Z452	Desigr enviror	n and mainten	enance of quality control in gineering	n	(M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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			EQUEU SIDUV D	

	ID	Course name		Study program	ne name, study type	
20.	PLIS1	Logistics and Simulation in Technolo	ogies of Plastics	(PM0) Productio	on Engineering, Master Acad	lemic Studies
21.	PP103	Measurement and tools in precision	engineering	(PM0) Productic	on Engineering, Master Acad	lemic Studies
22.	SDOM3 0	Probability, Statistics and Theory of Experiment	Engineering	(Z00) Environme Studies	ental Engineering, Specialise	ed Academic
23.	SM3	Software support for reverse engine	ering and CAQ	(PM0) Productio	on Engineering, Master Acad	lemic Studies
24.	SZSP18	Contemporary scientific approaches assessment of products (LCA)	in life cycle	(Z00) Environmo Studies	ental Engineering, Specialise	ed Academic
25.	ZCM09	Occupational Health and Safety		(ZC0) Clean En Studies	ergy Technologies, Master A	Academic
26.	ZR406A	System Regulations and EU Practice Health and Safety	e in Occupational	(Z01) Safety at	Work, Master Academic Stud	dies
27.	DOM30	Probability, Statistics and Theory of Experiment	Engineering	(M00) Mechanic (M40) Technica (Z00) Environme Studies	al Engineering, Doctoral Aca I Mechanics, Doctoral Acade ental Engineering, Doctoral A Work, Doctoral Academic St	ademic Studies emic Studies Academic
28	DP001	Design and Research Methods in Pr	oduction	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies
29.	DP006	Engineering State and development trends of me	trology, quality and	(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies
30.	DP013	Ecological Engineering Aspects		(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies
31.	DP019	Selected topics in technical diagnosi	S	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies
32.	ZSP18	Modern Scientific Approaches in Pro Assessment (LCA)	duct Life Cycle	(Z00) Environmo Studies	ental Engineering, Doctoral	Academic
33.	ZRD211	Sustainable design and product safe	ety	(Z01) Safety at	Work, Doctoral Academic St	udies
34.	ZRD213	Current state and development tender management of work environment	encies of quality	(Z01) Safety at	Work, Doctoral Academic St	udies
35.	ZRD235	Systemic regulation in the field of oc and health	cupational safety	(Z01) Safety at	Work, Doctoral Academic St	udies
Rep	oresentative	refferences (minimum 5, not more th	an 10)			
1.	Matin I., I Products	Hadžistević M., Hodolič J., Vukelić Đ., International Journal of Advanced Ma	Lukić D.: A CAD/CAE anufacturing Technolo	E Integrated Inject gy, 2012, Vol. 63,	ion Mold Design System for No 5-8, pp. 595-607, ISSN	Plastic 0268-3768
2.	Brajlih T., Dimensio Vol. 57, N	Tasić T., Drštvenček I., Valentan B., nal Optical Scanning in Complex Geo lo 11, pp. 826-833, ISSN 0039-2480	Hadžistević M., Pogač metrical Inspection, S	čar V., Balić J., Ač trojniski vestnik =	ko B.: Possibilities of Using Journal of Mechanical Engir	Three- neering, 2011,
3.	Sekulić M main cutt 669 14/1	., Jurković Z., Hadžistević M., Gostim ing force in face milling, Metalurgija, 2 5:620 171 70/178:620 18 = 111	irović M.: The influen 010, Vol. 49, No 4, pp	ce of mechanical b. 339-342, ISSN (properties of workpiece mate 0543-5846, UDK:	erial on the
4.	Morača S Systems,	., Hadžistević M., Drstvenšek I., Rada Strojniski vestnik = Journal of Mecha	aković N.: Application nical Engineering, 201	of Group Techno 10, Vol. 56, No 10	logy in Complex Cluster type , pp. 663-675, ISSN 0039-24	e Organizational I80
5.	Radlovač INFORM INTERNA	ki V., Kamberović B., Delić M., Hadžis ATION TECHNOLOGIES MANAGEM ATIONAL JOURNAL ADVANCED QU	stević M., Pečujlija M.: ENT TOOLS - ESTIM ALITY, 2012, Vol. 40,	ARE QUALITY M ATES OF SERBI No 1, pp. 33-36, I	MANAGEMENT SYSTEM AI AN QUALITY MANAGERS, SSN 2217-8155, UDK: 658.	ND 5
6.	Stević, M izdavaštv	.: Povećanje tačnosti merenja numeri o, ISBN 86-7892-028-9, Novi Sad, 20	čki upravljanih mernih 06.	mašina, edicija te	hničke nauke - monografija,	FTN
7.	Hadžistev 353-361,	vić M., Morača S.: Networks and Qua ISSN 1800-6450	lity Improvement, Inte	rnational Journal	for Quality Research, 2009,	Vol. 3, No 4, pp.
8.	Lomen, I. Časopis /	, Cvetićanin, L., Hodolič, J., Stević, M Acta Mechanica Slovaca, 2/2002, Roč	.: Softwarova aplikacia nik 6., pp. 165-168, K	a na určenie hladi ošice, Slovačka, 2	ny hluku v priemyselnych po 2002.	dnikoch,
9.	Hodolič J Industry, Engineer	., Budak I., Vukelić Đ., Agarski B., Ha 2. International Symposium on Enviro ing in Zenica, University of Zenica, 7-5	džistević M.: Less Fo nmental and Material 9 Jun, 2012, pp. 1-15,	rmal Tools for Env Flow Managemer ISBN 978-9958-6	vironmental Management in ht - EMFM, Zenica: Faculty o 17-46-1	Production f Mechanical
10.	Agarski E and occu 53-56, IS	8., Budak I., Puškar T., Vukelić Đ., Ma pational safety measures in dental pro SN 1821-4932	M., Hodolič J.: M Journal of Produc	ulti-criteria assessment of en tion Engineering, 2012, Vol.	nvironmental 15, No 1, pp.	
Sur	nmary data	for teacher's scientific or art and profe				
Quot						
Iotal	ot SCI(SS	וز) list papers :	9 Domostic :		International	2
Curre	ent projects	•	Domestic :	2	international :	2



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Hodolič J. Janko			
Acad	Academic title:					r		
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad			
Starti	ng date:	iald.			06.12.1974 Motrology Quality Eixtures and Ecological Engineering Aspects			
					wetrology, Q	Jailty, Fixtur	Eigld	
Acad	emic carlee	er	rear	Institution			Field	
Acad	emic title el	ection:	1997	Faculty of Technical Sci	ences - Novi S	ad	Engineering Aspects	
PhD	thesis		1989	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
Magi	ster thesis		1979	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
Bach	elor's thesis	S	1974	Faculty of Technical Sci	ences - Novi S	ad	Mechanical Engineering	
List c	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	IA018	3D Dig	italization N	lethods		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
2.	P1401	Fixture	Design an	d Measuring Machines		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
3.	P1508	Revers	se Engineer	ing and CAQ		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
4	B 200	Mooou	romonto on	d Quality		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
4.	F209	Medsu	i ements an	la Quality		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
5.	P2617	Planni	ng Methods	and Experiment Process	ing	(P00) Prod Studies	duction Engineering, Undergraduate Academic	
6.	P306	Fixture	S			(P00) Proo Studies	duction Engineering, Undergraduate Academic	
7.	Z207	Mecha	nical Engin	eering in Environmental E	Engineering	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
8.	Z207A	Mecha	nical Engin	eering in Environmental E	Engineering	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
9.	Z301	Polluti	on Measure	ment and Control		(Z20) Envi	ronmental Engineering, Undergraduate Academic	
10.	Z416	EMS S	Systems			(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
11.	ZR320	Experi	mental Ana	lysys of Safety and Health	h on	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
12.	ZRI441	Materia protec	al handling	systems for environmenta	al and labor	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
13.	Z207	Mašins naziv r	stvo u inžen na englesko	jerstvu zaštite životne sre m)	edine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
14.	Z416	EMS s	istemi(unet	i naziv na engleskom)		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
15.	ZC036	Measurement and control of pollution				(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
16.	P1409	Material Control Systems and CAI				(PM0)Pro	duction Engineering, Master Academic Studies	
17.	P1501	Ecological Technologies and Systems				(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies	
40	DOCOL	Teel Desimine for Disstic					duction Engineering, Master Academic Studies	
18.	P3501	Tool Designing for Plastic					duction Engineering, Master Academic Studies	
19.	2416A	Environment Protection System Managen			ent		auction Engineering, Master Academic Studies	
20.	PIP16	Plastic	s and envir	unmental protection	Plastics		duction Engineering, Master Academic Studies	
21.	PLIS1	Proces	sing				Dauction Engineering, Master Academic Studies	



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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

st	of	courses	beina	held b	v the	teacher i	in the	accredited	studv	programme	es
υ	01	0001000	being	noid b	,	touoner i		accication	oluay	programmi	-0

LISCO		eing heid by the teacher in the accret	inted study programme	3					
	ID	Course name		Study programme name, study type					
22.	SDOM3 0	Probability, Statistics and Theory of Experiment	Engineering	(Z00) Environmental Engineering, Specialised Academic Studies					
23.	SZDH1	Modern Methods of Eco-design		(Z00) Environme Studies	ental Engineering, Specialise	ed Academic			
24.	SZSP18	Contemporary scientific approaches assessment of products (LCA)	(Z00) Environme Studies	ental Engineering, Specialise	ed Academic				
25.	DM411	Contemporary Approach to Integration of Reverse In Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing (M00) Mechanical Engineering, Doctoral Academic Stud							
26.	DOM30	Probability, Statistics and Theory of Experiment	Engineering	(M00) Mechanic (M40) Technica (Z00) Environme Studies (Z01) Safety at 1	al Engineering, Doctoral Aca I Mechanics, Doctoral Acade ental Engineering, Doctoral A Work, Doctoral Academic St	ademic Studies mic Studies Academic			
27.	DP001	Design and Research Methods in Pr	oduction	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies			
28.	DP006	Engineering State and development trends of me fixtures	trology, quality and	(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies			
29.	DP013	Ecological Engineering Aspects		(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies			
30.	ZDH1	Modern Methods of Eco-design		(Z00) Environmental Engineering, Doctoral Academic Studies					
31.	ZSP18	Modern Scientific Approaches in Pro Assessment (LCA)	oduct Life Cycle	(Z00) Environmo Studies	ental Engineering, Doctoral /	Academic			
Rep	oresentative	e refferences (minimum 5, not more th	an 10)						
1.	Budak I., Sensors,	Vukelić Đ., Bračun D., Hodolič J., Sol Sensors, 2012, Vol. 12, No 1, pp. 110	ković M.: Pre-Processi 00-1126, ISSN 1424-8	ng of Point-Data 1 220	from Contact and Optical 3D	Digitization			
2.	Bešić I., V CMM, Op	Van Gestel N., Kruth J., Bleys P., Hod otics and Lasers in Engineering, 2011,	olič J.: Accuracy impro Vol. 49, No 11, pp. 12	ovement of laser l 274-1280, ISSN 0	ine scanning for feature mea 143-8166	surements on			
3.	Matin I., I Products	Hadžistević M., Hodolič J., Vukelić Đ., , International Journal of Advanced Ma	Lukić D.: A CAD/CAE anufacturing Technolo	E Integrated Inject gy, 2012, Vol. 63,	ion Mold Design System for No. 5-8, pp. 595-607, ISSN	Plastic 0268-3768			
4.	Jakovljev Internatio	ić Ž., Petrović P., Hodolič J.: Contact nal Journal of Advanced Manufacturir	states recognition in rong Technology, 2012, '	bbotic part mating Vol. 59, No 1-4, p	based on support vector ma p. 377-395, ISSN 0268-3768	achines, 3			
5.	Mrkajić V urban en	., Stamenković M., Maleš M., Vukelić vironment, Carpathian Journal of Eart	Ð., Hodolič J.: Propos h and Environmental S	al for reducing pro Sciences, 2010, V	oblems of the air pollution ar ol. 5, No 1, pp. 49-56, ISSN	id noise in the 1842-4090			
6.	Vukelić Đ Manufact	0., Zuperl U., Hodolič J.: Complex syst auring Technology, 2009, Vol. 45, No 7	em for fixture selection 7-8, pp. 731-748, ISSN	n, modification, ar I 0268-3768	nd design, International Journ	nal of Advanced			
7.	Budak I., Journal o	Hodolič J., Soković M.: Development f Materials Processing Technology, 20	of a programme syste 005, Vol. 162, pp. 730	m for data-point p -735, ISSN 0924-	pre-processing in Reverse Ei 0136	ngineering,			
8.	Agarski E Assignme	3., Budak I., Kosec B., Hodolič J.: An A ent, Environmental Modeling & Assess	Approach to Multi-crite sment, 2012, Vol. 17, I	ria Environmental No 3, pp. 255-266	Evaluation with Multiple We , ISSN 1420-2026.	ight			
9.	Trifković Accuracy	B., Budak I., Todorović A., Hodolič J., Measurement of Ceramic Crowns, M	Puškar T., Jevremovie easurement Science F	ć D., Vukelić Đ.: A Review, 2012, Vol	pplication of Replica Techni . 12, No 3, pp. 90-97, ISSN	que and SEM in 1335-8871.			
10.	Agarski B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodolič J.: Application of multi-criteria assessment in evaluation of motor vehicles' environmental performances, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330-3651.								
Sun	Summary data for teacher's scientific or art and professional activity:								
Quot	ation total :		42						
Total	of SCI(SS	CI) list papers :	22						
Curre	ent projects	:	3	International :	6				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	e and last n	ame:				Jeftenić I. Bo	rislav			
Acad	lemic title:				Full Professor					
Name of the institution where the teacher works full time ar						School of Electrical Engineering - Beograd				
starting date:						11.03.1974				
Scier	ntific or art f	ield:		r.		Power Electro	onics, Machi	ines ar	nd Facilities	
Acad	lemic cariee	er	Year	Institution				Field		
Acad	lemic title el	ection:	2011	School of Electric	al Eng	ineering - Beog	ırad	Powe	er Electronics, Machines ar	nd Facilities
PhD	thesis		1987	School of Electric	al Eng	ineering - Beog	ırad	Elect	rical and Computer Engine	ering
Magi	ster thesis		1978	School of Electric	al Eng	ineering - Beog	ırad	Elect	rical and Computer Engine	ering
Bach	elor's thesis	6	1972	School of Electric	al Eng	ineering - Beog	ırad	Elect	rical and Computer Engine	ering
List o	of courses b	eing hel	d by the tea	acher in the accred	lited stu	udy programme	s			
	ID	Course	e name				Study pro	gramn	ne name, study type	
	FF 440	Flastri	- Matan Driv				(ZC0) Clea Academic	an Ene Studie	ergy Technologies, Undergi s	raduate
1.	EE418	Electric	C INIOTOR DRIV	ves			(E10) Pow Engineerin	er, Ele g, Unc	ctronic and Telecommunicates and Telecommunicates and the second structure and the second structure structure structure structure structures and structures	ation lies
2.	EE427	Contro	I of Electric	al Drives			(E10) Pow Engineerin	er, Ele g, Unc	ctronic and Telecommunicates and Telecommunicates and the second structure and the second structure structure structure structure structures and structures	ation lies
3.	EE535	Electri	c Traction \	/ehicles			(E10) Pow Engineerin	er, Ele g, Mas	ctronic and Telecommunicates and Telecommunicates and Telecommunicates and the studies and the studies are studies as the studies as the studies are studies as the s	ation
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)					
1.	B. Jefteni	ć, V. Va	sić, Đ. Oro	s, "Elektromotorni j	oogoni	- zbirka rešenił	n zadataka"	Akade	mska misao, Beograd 200	3
2.	B. Jefteni Beograd	ć, V. Va 2004	sić, Đ. Oro	s, "Regulisani elek	tromoto	orni pogoni - res	šeni problen	ni sa e	lementima teorije" Akadem	ska misao,
3.	B.I.Jeften 2000. ISE	ić, V.Vu 3N 86-74	ičković, "Pra 466-106-8	aktikum za laborato	orijske	vežbe iz elektro	omotornih po	ogona'	', ETF Beograd, treće proši	reno izdanje
4.	B. Jefteni	ć, M. Be strana	ebić, S. Šta COBISS SI	tkić, "Višemotorni e R ID 183865100	električi	ni pogoni", ISBI	N: 978-86-74	466-40	02-5, Akademska misao, Be	eograd 2011.
	L. B. Rist	ić, B. I	Jeftenić, "In	nplementation of F	uzzy C	ontrol to Improv	e Energy E	fficien	cy of Variable Speed Bulk N	Material
5.	Transpor 10.1109/	tation", Ι ΓΙΕ.201	EEE Trans 1.2169639,	actions on Industri ISSN 0278-0046	al Elect	tronics, vol. 59,	pp. 2959-29	969, 20	012, Digital Object Identifie	r (DOI)
6.	Borslav J Electronio	eftenić, cs, ISSN	Milan Bebio 1 0278-0046	ć, "Realization of R 6, August 2010, vo	ewinde I. 57, n	er with a Reduc o. 8, pp. 2797 -	ed Number - 2806, Digit	of Sen tal Obj	sors", IEEE Transactions of ect Identifier 10.1109/TIE.2	on Industrial 009.2036638
7.	Jevremov with rotor	vic, V. R time co	.; Vasic, V.; nstant iden	; Marcetic, D. P.; Je tification", IET ELE	eftenic, CTRIC	B., "Speed-ser POWER APP	nsorless cor LICATIONS	ntrol of 2010	induction motor based on 4 (6):462-473., ISSN 1751-	reactive power 8660
8.	B. I. Jefte Measurin pp. 23-32	nić, L. E g and th	3. Ristić, "E ie Problem	lectrostatic Shaft V Solution", Internati	oltage onal R	at the Crack – eview of Electri	Gas Compre cal Enginee	essor: ring (II	the Phenomenon Analyses REE), February 2008, ISSN	s, Testing, I: 1827- 6660,
9.	 Nebojsa MITROVIC, Vojkan KOSTIC, Milutin PETRONIJEVIC, Borislav JEFTENIC, "Multi-Motor Drives for Crane Application", Advances in Electrical and Computer Engineering, Volume 9, Number 3, 2009, pp. 57-62, doi: 10.4316/AECE.2009.03011., ISSN 1582-7445, e-ISSN 1844-7600 							Application", 9.03011., ISSN		
10.	B. Jefteni efficiency 0354-983	ć, S.Sta principl 6, pp. 6	tkić, M. Bel es", Therm 3-78. (UDC	bić, L. Ristić, "New al Science 4/2006, C:676.026.23/.25, E	conce Časop 3IBLID:	pt of electrical c bis termičara Sr :0354-9836)	lrives for pa bije i Crne g	per an jore, \	d board machines based o /ol. 10, Number 4, Belgrad	n energy e 2006, ISSN:
Sur	nmary data	for teac	her's scient	tific or art and profe	essiona	al activity:				
Quot	ation total :				64					
Tota	of SCI(SS	CI) list p	apers :		13					
Curre	ent projects	:			Dome	estic :	2		International :	0



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	e and last n	ame:			Jovanović S. Aleksandar			
Acad	emic title:				Full Professo	r		
Nam starti	e of the inst ng date:	itution v	vhere the te	eacher works full time and	-			
Scier	ntific or art f	ield:			Thermal Ener	getics and	Thermotechnics	
Acad	emic caries	er	Year	Institution			Field	
Acad	emic title el	ection:	2001	Faculty of Technical Sci	ences - Novi Sa	ad	Thermal Energetics and Thermotechnics	
PhD	thesis		1986	Faculty of Mechanical E	ngineering - Be	ograd	Mechanical Engineering	
Educ	ation Speci	alist	1983	Faculty of Mechanical E	naineerina - Be	ograd	Mechanical Engineering	
Ihes	<u>IS</u> star thasis		1082	Eaculty of Mechanical E	naineerina - Be	ograd	Mechanical Engineering	
Bach	elor's thesis		1977	Faculty of Mechanical E	ngineering - Be	ograd	Mechanical Engineering	
List	of courses b	eina he	ld by the te	acher in the accredited st	idv programme		Meenanioa Engineering	
	ID	Course	e name		ady programme	Study pro	ogramme name, study type	
						(M50) Ene	ergy Management, Master Academic Studies	
1.	1079	Moder	n Energy T	echnologies		(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
2.	M3302	Therm	oenergy Pla	ants		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
3.	M3405	Therm	al Turbines	1		(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.	M3045	Life cy equipn	cle optimisa nent	ation of the energy and pro	ocess	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	M3495	Therm	a Energy E	kuipment		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
7.	1079	Moder	n Energy T	echnologies		(M50) Energy Management, Master Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
8.	1916	Energy	/ Managem	ent in Industry		(M50) Ene	ergy Management, Master Academic Studies	
9.	1939	Meren	je, nadzor i	upravljanje		(M50) Ene	ergy Management, Master Academic Studies	
10.	M3M04	Risk N	lanagemen	t		(ZC0) Cle Studies	an Energy Technologies, Master Academic	
11.	DM218	Conter	mporary En	ergy Technologies		(M00) Mechanical Engineering, Doctoral Academic Studies		
12.	DM308	Optimi Equipr	zation of O nent	peration Life of Energy an	d Process	(M00) Mechanical Engineering, Doctoral Academic Studies		
13.	DM315	Expert	Systems			(M00) Me	chanical Engineering, Doctoral Academic Studies	
14.	DM316	Risk T	echnologie	3		(M00) Me	chanical Engineering, Doctoral Academic Studies	
15.	DM332	Energy	/ Managem	ent in Buildings		(M00) Me	chanical Engineering, Doctoral Academic Studies	
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.	Jovanovic, A., Kussmaul, K. F., Lucia; A. C., Bonissone, P.: Expert Systems in Structural Safety Assessment: Proceedings of an International Course October 2-4, 1989, Stuttgart, FRG (Lecture Notes in Engineering), vol. 53, Springer-Verlag, 1989, p. 493, ISBN: 978-3-540-51823-5.							
2.	2. Jovanovic, A., Renn, O., Schröter, R.: Social Unrest, OECD Reviews of Risk Management Policies, OECD Publishing, Paris, France, 2012, ISBN: 978-92-64-17345-3.							
3.	3. Filipovic, N., Jovanovic, A., Petrovic, D., Obradovic, M., Jovanovic, S., Balos, D., Kojic, M.: Modelling of self-healing materials using discrete and continuum methods, Surface Coatings International, 2012, Vol. 95, No. 2, pp. 74-79, ISSN: 1754-0925.							
4.	4. Jovanovic, A., Balos, D.: iNTeg-Risk project: concept and first results, Journal of Risk Research, 2012, DOI: 10.1080/13669877.2012.729516, ISSN: 1366-9877.							
5.	5. Jovanovic, A. Renn, O.: Search for the 'European way' of taming the risks of new technologies: the EU research project iNTeg- Risk, Journal of Risk Research, 2012, DOI:10.1080/13669877.2012.743162., ISSN: 1366-9877.							
6.	Jovanovi technolog	ć, Α. Pili gies, Joι	ć, V.: Deali urnal of Risl	ng with risk-risk interdepe < Research, 2012, DOI:10	ndencies and t .1080/1366987	radeoffs in r 7.2012.729	relation to development and use of new 0528., ISSN: 1366-9877.	
7.	Jovanovi Vessels a	c, A.: Ov and Pipi	verview of F ng, 2004, V	RIMAP project and its deliver of the second strain of the second	verables in the -824, ISSN: 03	area of pow 08-0161.	ver plants, International Journal of Pressure	





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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Jović Đ. Miomira			
Acad	emic title:				Foreign Language Lecturer			
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Sci	ences - Nov	vi Sad	
starti	ng date:				01.09.2001			
Scier	Scientific or art field:				German			
Academic carieer Year Institution				Institution			Field	
Acad	emic title el	ection:	2005				German	
Bach	elor's thesis	3	1973				German	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
ID Course name						Study pro	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	
						(AS0) Sce Undergrad	nic Architecture, Technique and Design, uate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2	N.I017	Germa	an Languag	e – Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
	10012	Conne	in Languag			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(G00) Civi	I Engineering, Undergraduate Academic Studies	
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
						(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
		0				(P00) Prod Studies	duction Engineering, Undergraduate Academic	
3.	NJ02L	Germa	an Languag	e – Pre-Intermediate		(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
						(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
4.	NJ05	Germa	an Languag	e for GRID 1		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
5.	NJ06	Germa	an Languag	e for GRID 2		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List	of courses	being held	d by the	teacher in t	the accredited	l studv proa	rammes

	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	tiv 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				
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
Sur	nmary data	for teacher's scientific or art and profe						
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

Clean Energy Technologies

Name and last name:					Juhas T. Anamarija				
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad				
starting date:					01.11.1990				
Scier	ntific or art f	ield:			Theoretical Electrotechnics				
Acad	lemic cariee	er	Year	Institution		Field			
Acad	lemic title el	ection:	2010	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		1994	School of Electrical Engi	neering - Beog	rad	Electrical and Computer Engineering		
Bach	elor's thesis	5	1990	Faculty of Technical Sci	ences - Novi Sa	ad	Electrical and Computer Engineering		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S			
	ID	Course	e name			Study programme name, study type			
1.	EE300	Electro	omagnetics			(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	EOS01	Funda	mental elec	trical engineering		(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
3.	1087	Electri	cal Enginee	ring in Industrial Engineer	ring	(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies		
						(M30) Energy and Process Engineering, Undergraduate Academic Studies			
4	M110			ring and Electric Machine		(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
4.	M112	Electrical Engineering and Electric Machines			5	(P00) Production Engineering, Undergraduate Academic Studies			
						(S00) Traffic and Transport Engineering, Undergraduate Academic Studies			
						(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
5.	Z107	Electrical Engineering, Environment and Prote			otection	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
6	11007	Eundamontal electrical engineering				(I10) Indus Studies	strial Engineering, Undergraduate Academic		
0.	11007	T unuu		anear engineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies				
7.	URZP12	Introdu	uction to ele	ctrical engineering		(ZP0) Disa Undergrad	ZP0) Disaster Risk Management and Fire Safety, Indergraduate Academic Studies		
8.	DE208S	Select	ed Chapters	s on Electromagnetic Corr	npatibility	(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
9.	DE408S	Select	ed chapters	inl electromagnetics		(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
10.	EE543	Electro	Magnetic I	Energy		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
11.	H799	Fieldb	uses and pr	otocols		(H00) Mechatronics, Master Academic Studies			
12.	DE208	Select	ed Chapters	s on Electromagnetic Com	npatibility	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			
13.	DE408	Select	ed Chapters	s in Electromagnetics		(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies			
Rep	oresentative	reffere	nces (minim	num 5, not more than 10)					
1.	A. Juhas, IEEE Tra	L. A. N nsactior	ovak, "Com ns of Microv	ments on "Class-E, Class vave Theory and Techniqu	-C, and Class- ues, vol. 57, no	F power am . 6, pp. 162	plifier based upon a finite number of harmonics"," 3-1625, June 2009. ISSN 0018-9480.		
2.	A. Juhas, Applicatio	L. A. N ons", IEI	ovak,S Kos EE Transac	stić, "Signals with Flattene tions on Broadcasting, vol	d Extrema in B . 47, no. 1, pp.	alance Pow 38-45, 2001	ver Analysis of HFHPTA: Theory and . ISSN 0018-9316		
3.	3. S. Kostić, L. A. Novak, A. Juhas, "Increasing Efficiency and Output Power of HFHPTA by Injection of Two Harmonics", IEEE Transactions on Broadcasting, vol. 47, no. 1, pp.32-37, 2001. ISSN 0018-9316								

ASTRAS STUDIORUM			UNIVERSITY OF NO	VI SAD		WKWX		
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
		Study F	Study Programme Accreditation					
.01	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Cle	ean Energy Technologies	HOS		
Rep	presentative re	efferences (minimum 5, not more th	an 10)					
4.	D. Herceg, series: Elec	A. Juhas, M. Milutinov,." A design c ctronics and Energetics, 2009, Vol. 2	of a four square coil sy 22, No 3, pp. 285-292.	stem for a bioma ISSN 0353-3670	gnetic experiment," Facta ui	niversitatis -		
5.	L. A. Novak pp. E7-E10	k, A. Juhas, "O broju maksimuma u , 1994.	dvočlanim složenoper	odičnim funkcijar	na: krive katastrofa", Elektro	otehnika, br. 1-2,		
6.	A. Juhas, M. Milutinov, M. Prša, "Magnetic field of multi-line power system", Scientific bulletin of the "Politehnica" University of Timisoara, Proceedings of the 7th Int. Power Systems Conf., Timisoara, Romania, 22-23 Nov. 2007, Tom 52, pp. 319-328. ISSN 1582-7194.							
7.	M. Milutinov, A. Juhas, M. Prša, "Electric and magnetic field in vicinity of overhead multi-line power system", Acta Electrotehnica, Proceedings of the 2nd Int.I Conf. on Modern Power Systems MPS 2008, Cluj-Napoca, Romania, 12-14 Nov.r 2008, pp. 313-316. ISSN 1841-3323.							
8.	A. Juhas, M. Milutinov, N. Pekarić-Nađ, "Iskustva u primeni nacionalnih pravilnika o nejonizujućim zračenjima", Telekomunikacije, No 7, pp. 70-77, 2011. ISSN 1820-7782							
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 							
Sur	mmary data fo	or teacher's scientific or art and profe	essional activity:					
Quot	tation total :		5					
Tota	I of SCI(SSCI)) list papers :	3					
Current projects :			Domestic :	1	International :	0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Katić A. Vladimir				
Academic title:					Full Professor				
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad				
starting date:					01.10.1978				
Scie	ntific or art f	ield:			Power Electronics, Machines and Facilities				
Acad	lemic caries	er	Year	Institution		Field			
Acad	lemic title e	lection:	2002	Faculty of Technical Sci	ences - Novi S	nces - Novi Sad Power Electronics, Machines a			
PhD	thesis		1991	School of Electrical Eng	ineering - Beog	jrad	Electrical and Computer Engineering		
Mag	ster thesis		1981	School of Electrical Eng	ineering - Beog	eering - Beograd Electrical and Computer Engineering			
Bachelor's thesis 1978 Faculty of Technical Scie					ences - Novi S	ad	Electrical and Computer Engineering		
List	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es I			
ID Course name						Study programme name, study type			
1.	EE305	Power	Electronics	31		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	EE308	Power	Electronics	32		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
	7407	Electric			otootica	(Z01) Safe	ety at Work, Undergraduate Academic Studies		
3.	Z107	Electri	cal Enginee	ering, Environment and Pr	otection	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
4.	EE0406	Electri	c Power Qu	ality		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
5.	EE431	Renewable Sources and Small Power Plan			ts	(E10) Pow Engineerin	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
6.	EZ300	Clean	Electrical E	nergy Sources		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
7.	EZ400	Clean Energy Sources Design				(ZC0) Cle Academic	0) Clean Energy Technologies, Undergraduate demic Studies		
8.	DE209S	Energy Converters in Renewable Energy S			ources	(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
9.	DE413S	Integration of Distributed Energy Resource			6	(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
10.	DE505S	Power Quality in Distribution Networks				(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
11.	DE506S	Renewable Electrical Energy Sources				(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
12.	DE509S	Effects of Power Converters on Network ar Environment			d	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies			
13.	EE406	Electri	c Power Qu	ality		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
14.	EE509	Marke	t and Dereg	ulation in Electric Power I	Industry	(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
15.	S0I51Ž	Electri	cal Substati	ion and Electric Traction		(S00) Traffic and Transport Engineering, Master Academi Studies			
16.	EE544	Renew	able energ	y sources		(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
17.	EE564	Distrib	uted Energ	y Resources		(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies			
18.	ZCM02	Clean	technologie	es for electrical vehicles		(ZC0) Clean Energy Technologies, Master Academic Studies			
19.	ZCM08	Renew	able and D	istributed Electrical Energ	y Sources	(ZC0) Clean Energy Technologies, Master Academic Studies			
20.	DE108	FACTS	S Devices a	nd Electric Power Quality		(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
21.	DE113	Applic	ation of Pov	ver Electronics in Power S	Systems	(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
22.	DE209	Energy	/ Converter	s in Renewable Power Sc	ources	(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		

HAS STUDIORUM

List of

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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2.000								
	ID	Course name	Study programme name, study type					
23.	DE413	Integration of Distributed Energy Re	sources (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies					
24.	DE505	Power Quality in Distribution Networ	ks (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies					
25.	DE506	Renewable Electrical Energy Source	es (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies					
26.	DE509	Effects of Power Converters on Netw Environment	vork and (E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies					
			(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies					
			(E20) Computing and Control Engineering, Doctoral Academic Studies					
			(F00) Graphic Engineering and Design, Doctoral Academic Studies					
			(F20) Engineering Animation, Doctoral Academic Studies					
			(G00) Civil Engineering, Doctoral Academic Studies					
27	SID04	Current State in the Field	(GI0) Geodesy and Geomatics, Doctoral Academic Studies					
21.	51004	Current State in the Field	(H00) Mechatronics, Doctoral Academic Studies					
			(120) Industrial Engineering / Engineering Management, Doctoral Academic Studies					
			(M00) Mechanical Engineering, Doctoral Academic Studies					
			(OM1) Mathematics in Engineering, Doctoral Academic Studies					
			(S00) Traffic Engineering, Doctoral Academic Studies					
			(Z00) Environmental Engineering, Doctoral Academic Studies					
28.	MSID04	Present State in the Field	(M40) Technical Mechanics, Doctoral Academic Studies					
			(A00) Architecture, Doctoral Academic Studies					
29.	SID04	Present State in the Field	(AS0) Scenic Design, Doctoral Academic Studies					
			(Z01) Safety at Work, Doctoral Academic Studies					
Rep	Representative refferences (minimum 5, not more than 10)							
1.	1. Vladimir Katić: "Kvalitet električne energije – viši harmonici", Univerzitet u Novom Sadu - Fakultet tehničkih nauka, Edicija Tehničke nauke - Monografije, Br. 6, Novi Sad, 2002., ISBN 86-80249-57-2.							
2.	 Vladimir Katić: "Energetska elektronika - Zbirka rešenih zadataka", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija Univerzitetski udžbenik, Broj 66, Novi Sad, 1998, tiraž 500 primeraka, strana 430, Pomoćni udžbenik, ISBN 86-499-0017-8. 							
3.	 Vladimir Katić, Darko Marčetić, Dušan Graovac: "Energetska elektronika – Praktikum laboratorijskih vežbi", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija Univerzitetski udžbenik, Broj 124, Novi Sad, 2000, tiraž 300 primeraka, strana 85, Pomoćni udžbenik. ISBN 86-499-0081-X. 							
4.	Vladimir Katić, Vlado Porobić, Darko Marčetić: "Primena mikroprocesora u energetici – Praktikum laboratorijskih vežbi", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija: Tehničke nauke - Udžbenici, Broj 149, Novi Sad, Dec. 2006, tiraž 300 primeraka, strana 122, Romoćni udžbenik, ISBN 86-7892-013-0							
5.	Vladimir I str.175, S	Katić: "Upravljanje energetskim pretva Skripta.	aračima", Fakultet tehničkih nauka – WUS, Novi Sad, 2006, tiraž 20 primeraka,					
6.	Dušan G System",	raovac, Vladimir Katić, Alfred Rufer: "I IEEE Transaction on Power Delivery,	Power Quality Problems Compensation with Universal Power Quality Conditioning USA, ISSN 0885-8977, Vol.22, No.2, April 2007, pp.968-976.					
7.	Vladimir I Harmonio 1108.	Katić, Jovan Knežević, Dušan Graova cs Analysis", IEEE Transaction on Ind	c: "Application-Oriented Comparison of the Methods for AC/DC Converter ustrial Electronics, USA, ISSN 0278-0046, Vol.50, No.6, December 2003, pp.1100-					
8.	Vladimir I Transacti	Katić, Dušan Graovac: "A Method for ion on Power Electronics, USA, ISSN	PWM Rectifier Line Side Filter Optimization in Transient and Steady States", IEEE 0885-8993, Vol.17, No.3, May 2002, pp.342-352.					
9.	Dušan G IEEE Tra	raovac, Vladimir Katić: "On-Line Contins nsaction on Industrial Electronics, US	rol Of Current Source Type Active Rectifier Using Transfer Function Approach", A, ISSN 0278-0046, Vol.48, No.3, June 2001, pp.526-535.					
10.	Vladimir I Luka (BII	Katić: "Modern Power Electronics Tec I-R.Srpska), Vol.10, No.2, Dec.2006,	hnologies for Wind Power Plants", Invited Paper, Electronics/Elektronika, Banja YU ISSN 1450-5843, pp.3-9.					
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		122					
l otal	of SCI(SS	JI) list papers :	19					

GITAS STUD		WYKNX H			
No R	FACULTY OF TECHNICAL SCI	STAT			
720000	Study F	Programme A	ccreditatio	on	Col
PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	e Hos
Current projects :		Domestic :	5	International :	1


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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Katić M. Marina					
Acad	lemic title:				Lecturer			
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starti	ng date:				01.10.2001			
Scie	ntific or art f	ield:			English			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2010	Faculty of Technical Sci	ences - Novi S	ad	English	
Mast	er's thesis		2009	Faculty of Philology - Be	eograd		English	
Magi	ster thesis		2006	Faculty of Philology - Be	eograd		Engineering Management	
Bach	elor's thesi	S	1987	Faculty of Philosophy - I	Novi Sad		English	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s	·	
	ID	Course	e name			Study pro	ogramme name, study type	
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arc	hitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	e intermediate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
						(G00) Civ	il Engineering, Undergraduate Academic Studies	
	EJ01L					(M20) Me Undergrad	chanization and Construction Engineering, luate Academic Studies	
					(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
5.		English Language – Elementary				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Pro Studies	duction Engineering, Undergraduate Academic	
						(S00) Trat Academic	ffic and Transport Engineering, Undergraduate Studies	
						(S01) Pos Undergrad	tal Traffic and Telecommunications, luate Academic Studies	
						(E10) Pov Engineerin	ver, Electronic and Telecommunication ng, Undergraduate Academic Studies	
						(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
6.	EJ01Z	Englis	h Language	e - Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	



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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	ID	Course name	Study programme name, study type
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
7.	EJ02L	English Language – Pre-Intermediate	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(110) Industrial Engineering, Undergraduate Academic Studies
Q	E 1027	English Language – Pre-Intermediate	(I20) Engineering Management, Undergraduate Academic Studies
0.	LJUZZ		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
	EJ03Z	English Language - Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
9.			(Z01) Safety at Work, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(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

STASSIC STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	ID	Course name	Study programme name, study type	
			(E20) Computing and Control Engineering, Undergraduate	
			(F10) Engineering Animation, Undergraduate Academic Studies	
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies	
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies	
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies	
			(E20) Computing and Control Engineering, Undergraduate Academic Studies	
			(ES0) Power Software Engineering, Undergraduate Academic Studies	
			(F10) Engineering Animation, Undergraduate Academic Studies	
13.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies	
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies	
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies	
			(AH0) Architecture, Master Academic Studies	
		English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies	
	EJ3L		(F10) Engineering Animation, Undergraduate Academic Studies	
14.			(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	
22		English Language - ESD Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies	
23.	EJIVI	English Language – ESP Course	(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	

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

2.000				
	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	
24		English fan Canaiffe Duranaan	(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	
	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	
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	
Rei	oresentative	refferences (minimum 5, not more than 10)		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Rep	Representative renerences (minimum 5, not more than 10)							
1.	Marina Katić, Kostadin Pušara, "Standardization of E-Commerce Terminology", Annals of the Faculty of Engineering Hunedoara, Vol.III, Part 2, 2005, ISSN 1584-2665, Edition Mirton, Timisoara (Romania), pp.31-36.							
2.	M.Katić, "O tehnikama prevođenja nekih engleskih termina energetske elektronike", 11th International Symposium on Power Electronics – Ee 2001, Novi Sad, OctNov.2001, pp.154-157.							
3.	M.Katić, "Terminology of E-Commerce", 7th International Symposium on Interdisciplinary Regional Research – ISIRR 2003, Hunedoara (Romania), Sept. 2003, CD-ROM – Paper 0104.							
4.	M.Katić, "Key Terms of Business Environment", PSU-UNS Int. Conference Energy and Environment, Hat Yai (Thailand), Dec. 2003, .							
5.	Marina Katić, Kostadin Pušara, "Need for E-Commerce Term Standardization and Harmonization", Western Business & Management Conference 2004, Las Vegas (USA), Oct.2004, CD ROM.							
6.	Marina Katić, Kostadin Pušara, "Standardization of E-Commerce Terminology", VIII International Symposium on Interdisciplinary Regional Research - ISSIR 2005, Szeged (Hungary), 19-21. 04. 2005., University of Szeged, CD ROM.							
7.	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).							
8.	M.Katić, "Engleski jezik u službi međunarodnog Vrnjačka Banja, Nov. 2002, pp.146-151	g menadžmenta", XII r	neđunarodna kon	ferencija Industrijski sistemi	– IS 2002,			
9.	M.Katić, "Anglicizmi u jeziku tehnike", XLVII Ko 244.	onferencija ETRAN, He	erceg Novi, Jun 20	003, CD-ROM i knjiga, Sves	ka 3, pp. 241-			
10.	M.Katić, K.Pušara, "Zašto je potrebna standardizacija termina elektronske trgovine", XLIX Konferencija za ETRAN, Budva, 0510. 06. 2005., Zbornik radova, CD-ROM i knjiga, Sveska 3, pp.238-241.							
Sur	nmary data for teacher's scientific or art and profe	essional activity:						
Quot	ation total :	0						
Total	of SCI(SSCI) list papers :	0						
Curre	Current projects : Domestic : 0 International : 0							



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Katić A. Nenad				
Academic title:					Assistant Professor				
Name of the institution where the teacher works full time and			-						
				41.00					
Scier		ieia:	Veer	Institution	Electroenerge	etics	Field		
Acad	emic cariee	er e etiemu	rear	Institution	energe Neud Ci	- d			
Acac		ection:	2008	Faculty of Technical Sci	ences - Novi Si	ad			
PhD	thesis		2002	Faculty of Technical Sci		au			
Deek			1991	School of Electrical Engl					
Baci		5	1902	Faculty of Technical Sch			Electroenergetics		
LISU		eing ne				.5			
	ID	Course	e name			Study pro	gramme name, study type		
1.	EOS35	Tržište	električne	energije		(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical indergraduate Professional Studies		
2.	EE0406	Electri	c Power Qu	ality		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
3.	ESI006	Introdu	uction to crit	ical mission software for p	oower grids	(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
4.	ESI012	Smart	Grid Netwo	rks		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies		
5.	EZ301	Cost-e	ffective and	l energy-efficient electrica	l systems	(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
6.	DE107S	Decision-Making Optimization				(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
7.	DE312S	Power	Market and	Regulation		(E11) Pow Engineerin	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies		
8.	DE405S	Smart Grid Networks				(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies			
9.	DE406S	Electri	c Power Inc	lustry in the Free Market I	Economy	(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
10.	DE508S	Power	System Ec	onomics		(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
11.	EE406	Electri	c Power Qu	ality		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
12.	EE509	Marke	t and Dereg	ulation in Electric Power I	Industry	(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
13.	EE510	Econo	mic Method	ls in Electric Power Indust	try	(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
14.	EE544	Renew	able energ	y sources		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
15.	ZCM02	Clean	technologie	es for electrical vehicles		(ZC0) Cle Studies	an Energy Technologies, Master Academic		
16.	ZCM05	Electri	c Power Ma	arket		(ZC0) Cle Studies	an Energy Technologies, Master Academic		
17.	ZCM08	Renew	able and D	istributed Electrical Energ	y Sources	(ZC0) Cle Studies	an Energy Technologies, Master Academic		
18.	DE107	Decision-Making and Optimization			(E10) Pow Engineerin (OM1) Ma Studies	ver, Electronic and Telecommunication g, Doctoral Academic Studies thematics in Engineering, Doctoral Academic			
19.	DE312	Electri	city Markets	s and Regulation		(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
20.	DE405	Smart	Grid Netwo	rks		(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
21.	DE406	Electri	c Power Inc	lustry in the Free Market I	Economy	(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
22.	DE508	Power System Economics				(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Rep	Representative refferences (minimum 5, not more than 10)								
1.	Katić N., Savić M.: Autori: Nenad Katic, Milan Savic Naziv: Technical and economical optimisation of overhead power distribution line lightning protection, IEE ProcGener.Transm.Distrib, 1998, No 3, pp. 239-244								
2.	Katić V., Dumnić B., Katić N., Milićević D., Grabić S.: Potentials and Market Prospective of Wind Energy in Vojvodina, Thermal Science - International Scientific Journal, 2012, Vol. 16, ISSN 0354-9836, UDK: 621								
3.	Strezoski V., Katić N., Janjić D.: Voltage Control Integrated in Distribution Management System, Electrical Power System Research, 2001, No 60, pp. 85-97								
4.	Katić N.: Yugoslavia Develops a New Distribution Management System , Utility Automation, USA, a PennWell Publication, 1996, pp. 30-35								
5.	Katić V., Dumnić B., Čorba Z., Milićević D., Katić N.: Potentials of Renewable Energy Market in Serbia – Case of Wind and Solar Energy, 8. IEEE International Conference on European Energy Market – EEM, Zagreb, 25-27 Maj, 2011, pp. 785-790, ISBN 978- 1-61284-284-4								
6.	Katić N., Marijanović V., Stefani I.: Smart Grid Solutions in Distribution Networks - Cost Benefit Analysis, 4. China International Conference on Electricity Distribution ICED, Nanjing, 12-16 Septembar, 2010, pp. 1-6								
7.	Katić N.: PROFITABILITY OF SMART GRID S Conference and Exibition on Power Generation Novembar, 2010, pp. 1-6	OLUTION APPLICAT	TON IN DISTRIB	UTION NETWORK, 7. Medit ergy Conversion, Agia Napa	terranean I, 7-10				
8.	Katić N., Strezoski V., Popović D.: Business B Conference on Electricity Distribution CIRED	enefits of DMS Softwa	are Application in	Competitive Distribution, 17	th International				
9.	Katić N., Strezoski V., Popović D.: DMS Softw Distribution, Balkan Power Conference	are Applications a Po	owerful Tool for th	ne New Challenges in Dereg	ulated Power				
10.	10. Katić N., Strezoski V., Katić V.: Introducing the Management and ECTS in Electrical Power Engineering Education, ISIRR								
Sur	nmary data for teacher's scientific or art and profe	essional activity:							
Quot	ation total :	16							
Total	of SCI(SSCI) list papers :	4							
Curre	Current projects : Domestic : 3 International : 14								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Kiurski S. Jelena			
Academic title:			Full Professor					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:					01.12.2001			
Scier	ntific or art f	ield:			Graphic Engil	neering and	Design	
Acad	emic carlee	er	Year	Institution				
Acad	emic title el	lection:	2011	Faculty of Technical Scie	ences - Novi Sa	ad	Graphic Engineering and Design	
PhD	thesis		1997	Faculty of Technology -	Novi Sad		Physical Chemistry Science	
Magi	ster thesis		1981	Faculty of Technology -	Novi Sad		Physical Chemistry Science	
Bach	elor's thesis	S	1974	Faculty of Technology -	Novi Sad		Chemist Science	
List o	of courses b	eing hei	d by the tea	acher in the accredited stu	idy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	F103	Chemi	stry in Grap	hic Engineering		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
2.	F302	Chemi	graphy			(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
3.	Z102	Techni	cal Chemis	try		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
4.	Z109	Chemi	cal Principle	es in Environmental Engin	neering	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						(M20) Mee Undergrad (M30) Ene	chanization and Construction Engineering, uate Academic Studies ergy and Process Engineering, Undergraduate	
5.	5. Z151 Chemistry in Mechanical Engineering			Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies				
					(P00) Production Engineering, Undergrad Studies		duction Engineering, Undergraduate Academic	
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	Z153	Chemi	stry in Engi	neering		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
7.	Z155	Chemi	cal Principle	es in Engineering		(Z01) Safety at Work, Undergraduate Academic Studies		
8.	Z600	Chemi	cal Phenom	nena in Engineering		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
9.	F409	Graphi	ic Environm	ent		(F00) Gra Studies	phic Engineering and Design, Master Academic	
10.	FDS12	Select	ed Chapters	s in Chemistry		(F00) Gra Studies	phic Engineering and Design, Doctoral Academic	
Rep	oresentative	e reffere	nces (minim	num 5, not more than 10)				
1.	J.Janjić, . 235 (1994	J.Kiurski 4)	i, "Nonflame	e Atomic Fluorescence as	a Method for N	Aercury Tra	ces Determination", Water Research, 28(1), 233-	
2.	J.Janjić, I Drinking ^v	Lj.Čonki Water",	ć, J.Kiurski, Water Rese	J.Benak, "A Method for A earch, 31(3), 419-428 (199	Arsenic Level D 97)	eterminatio	n an a Device for Arsenic Elimination from	
3.	J.Kiurski, Polyhedro	D.Ž.Ob on, 18(5	adović, R.M), 741-747	larinković-Nedučin, E.Kiš, (1999)	, "Spinel-Type S	Structure of	Co in Conditions of HDS Catalysts Aging",	
4.	J.S. Kiurs scanning	ski, J.G. electror	Ranogajec n microscop	, A.L.Ujhelji, M.M.Radeka y and energy-dispersive s	, M.T.Bokorov, spectroscopy a	"Evaluation nalyses", So	of the effect of lichens on ceramic roofing tiles by canning, 27, 113-119 (2005)	
5.	M.Radek roofing til	a, J.Rar es", Jou	logajec, J.K Irnal of the I	iurski, S.Markov, R.Marin European Ceramic Societ	kovic-Neducin, y 27 (2007) 17	" Influence 6 63-1766	of lichen biocorosion on the quality of ceramic	
6.	E.Kiš, R.I NiO-Al2C	Marinko 03 Catal	vić-Nedučir yst", Polyhe	, G.Lomić, G.Bošković, D dron, 17(1), 27-34 (1998)	.Ž.Obadović, J	.Kiurski, P.F	Putanov, Structural and Textural Properties of the	
7.	D.Ž.Obao 3634 (19	dović, J. 96)	Kiurski, R.N	larinković-Nedučin, Electr	onic States of	Ni(II) in Spir	nel-Type Structure", Polyhedron, 15(20), 3631-	
8.	J.S.Kiurs catalysts'	ki, D.Ž.C ',React.l)badović, R Kinet.Catal.	M.Marinković-Nedučin,"E Lett., Vol.82, No.1, 41-47	Energies of elec (2004)	ctronic state	s of promoter ions in hydrodesulfurization	
9.	JS Kiursk React.Kir	ki, DŽ Ol net.Cata	badović, EE I.Lett., Vol.8	Kiš, RP Marinković-Nedu 34,No.2, 359-366 (2005)	učin, "Electronio	c states of M	In(II) in the kaolinite nanostructure",	

UNIVERSITY OF NOVI SAD VOIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Clean Energy Technologies Presentative 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

Clean Energy Technologies

Name and last name:			Kozmidis-Petrović F. Ana				
Academic title:			Full Professo	Full Professor			
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad				
starti	ng date:				01.09.1975		
Scier	ntific or art f	ield:			Physics		
Acad	lemic caries	er	Year	Institution			Field
Acad	lemic title e	lection:	1997	Faculty of Technical Sci	ences - Novi S	ad	Physics
PhD	thesis		1984	Faculty of Sciences - No	ovi Sad		Physics
Magi	ster thesis		1980	Faculty of Mathematics	- Beograd		Physical Science
Bach	elor's thesi	s	1972	Faculty of Sciences - No	ovi Sad		Physical Science
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s	
	П	Course	a name			Study pro	gramme name, study type
		Course	s name			Olddy pic	gramme name, study type
						(E10) Pow	ver, Electronic and Telecommunication
1.	E103	Physics				g, Undergraduate Academic Studies	
						(MR0) Measurement and Control Engineering, Undergraduate Academic Studies	
2.	GG06	Civil E	ngineering	Physics		(G00) Civi	I Engineering, Undergraduate Academic Studies
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies	
					(M30) En Academic		ergy and Process Engineering, Undergraduate Studies
3.	M101	Technical Physics				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies	
						(P00)Pro Studies	duction Engineering, Undergraduate Academic
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies	
4.	ZR440	Influer	ice of radiat	ion on health and occupa	tional safety	(Z01) Safe	ety at Work, Undergraduate Academic Studies
5.	ZC008	Techn	ical physics			(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies
						(E11) Pow Engineerin	er, Electronic and Telecommunication g, Specialised Academic Studies
						(112) Indu	strial Engineering, Specialised Academic Studies
6.	DZ01FS	Select	ed Chapters	s in Physics		(122) Engineering Management, Specialised Academic	
					(Z00) Env Studies	ironmental Engineering, Specialised Academic	
7.	SZD017	Solid N	Materials in	the Environment		(Z00) Env Studies	ironmental Engineering, Specialised Academic



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	ID	Course name Study programme name, study type						
				(E10) Power, El Engineering, Do	ectronic and Telecommunica ctoral Academic Studies	ation		
			(E20) Computing and Control Engineering, Doctor Academic Studies			Doctoral		
				(F00) Graphic E Studies	ngineering and Design, Doc	toral Academic		
				(G00) Civil Engi	neering, Doctoral Academic	Studies		
				(GI0) Geodesy a	and Geomatics, Doctoral Aca	ademic Studies		
				(H00) Mechatron	nics, Doctoral Academic Stu	dies		
8.	DZ01F	Selected Chapters in Physics		(I20) Industrial E Doctoral Academ	Engineering / Engineering Ma nic Studies	anagement,		
				(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies		
				(M40) Technical	Mechanics, Doctoral Acade	emic Studies		
				(OM1) Mathema Studies	atics in Engineering, Doctora	l Academic		
				(S00) Traffic En	gineering, Doctoral Academi	ic Studies		
				(Z00) Environme Studies	ental Engineering, Doctoral	Academic		
				(Z01) Safety at	Work, Doctoral Academic St	udies		
9.	FDS141	S141 Selected Chapters in Colour Management (F00) Graphic Engineering and Design, Doctoral Acad Studies						
10.	ZD017	ZD017 Solid Materials in the Environment (Z00) Environmental Engineering, Doctoral Academic Studies						
Rep	oresentative	refferences (minimum 5, not more the	an 10)					
1.	D. M. Pet methylthi	rović, A. F. Petrović, V. M. Leovac, S. osemicarbazone, Journal of Thermal <i>i</i>	R. Lukić: Thermal deo Analysis, 42, 1165-117	composition of Cu 70, 1994.	(II) complexes with salicylac	lehyde S-		
2.	S.R. Luki glasses,	ć, D. M. Petrović, A. F. Petrović, F. Sk Journal of Materials Science Lett., 15,	uban, I.I. Turyanitsa: T	Tendency towards	s crystallization of Ge-As-Te	system		
3.	A. F. Petr Thermal 879-886,	ović, 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 v etyl 5(3) mathylpy	vith pyrazole derived ligands /razole, Journal of Thermal A	. Part IV. Analysis, 47,		
4.	S. R. Luk Solids, 24	ić, D. M. Petrović, A. F. Petrović: Effect 11, 74-77, 1998.	ct of copper on conduc	ctivity of amorpho	us AsSeylz, Journal of Non-	Crystalline		
5.	S. R. Luk Ligands. MetOrg	ić, V. M. Leovac, A. F. Petrović, S. J. S XIII. Synthesis and Thermal Studies o Chem.,2002	Skuban, V. I. Češljević f Zn(II) Complexes wit	ć, M. M.Garić: Me h 3-amino-4-acet	tal Complexes with Pyrazole yl-5-methylpyrazole, Synth.F	-derived React.Inorg.		
6.	S. R. Luk the Ge-A	ić, S. J. Skuban, D. M. Petrović, A. F. s-S-Se-I system, Journal of Optoelect	Petrović, M. Garić, Ch ronics & Advanced Ma	aracteristics of co aterials, 6(3), 755-	omplex non-crystalline chalc 768, 2004.	ogenides from		
7.	A. F. Peti applicatio	ović, S.R. Lukić, D.D. Štrbac: Critical n to some chalcogenide glasses, Jou	rate of cooling glassy rnal of Optoelectronics	melts under cond	itions of continuous nucleation terials, 6(4) 1167-1177, 2004	on.The 1.		
8.	S. R. Luk Chalcoge	ić, D. M. Petrović, Ž. N. Cvejić, A F. P nide Thin Films, Journal of Optoelectr	etrović, F. Skuban: Th onics & Advanced Ma	ermally-induced sterials, 3(2), 337-	Structural Changes in Coppe 340, 2001.	er-containing		
9.	S.R. Luki glassy Ge	ć, D.M. Petrović, G.R.Štrbac, A.F.Petr e20As14SxSe52-xI14, Journal of Phys	ović, M Šiljegović : Eff sics and Chemistry of	fect of sulfur atom Solids 66, 1683-1	substitute with selenium on 686 (2005)	stability of		
10.	A.F.Kozn 2014–20	nidis-Petrovic, G.R.Strbac, D.D.Strbac 19, 353(2007)2014	, Kinetics of non-isothe	ermal crystallization	on of chalcogenide, J.Non-C	yst.Solids,		
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		153					
Total	of SCI(SS	CI) list papers :	25					
Current projects : Domestic : 1 International : 0								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name: Krsi					Krsmanović B. Cvijan			
Academic title: Ful					Full Professor			
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad	
starting date: 01.05					01.05.1981	.05.1981		
Scier	ntific or art f	ield:			Information-C	communicati	on Systems	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2004	Faculty of Technical Sci	ences - Novi S	ad	Information-Communication Systems	
PhD	thesis		1994	Faculty of Technical Sci	ences - Novi S	ad	Information-Communication Systems	
Magi	ster thesis		1986	Faculty of Technical Sci	ences - Novi S	ad	Information-Communication Systems	
Bach	elor's thesis	6	1981	Faculty of Technical Sci	ences - Novi S	ad	Production Systems, Organization and Management	
List o	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	II1003	Produc	ct developm	ent and design		(I10) Indus Studies	strial Engineering, Undergraduate Academic	
2.	ll1005	Compu	uter Aided F	Product Design and Analy	sis	(110) Indus Studies	strial Engineering, Undergraduate Academic	
3.	II1018	Desigr	of Informa	tion Systems		(110) Indus Studies	strial Engineering, Undergraduate Academic	
4.	II1039	Resou	rce plannin	g systems in manufacturir	ng	(110) Indus Studies	strial Engineering, Undergraduate Academic	
5.	II1049	Manuf	acturing do	cumentation management	t(DMS)	(110) Indus Studies	strial Engineering, Undergraduate Academic	
6.	IM1029	Inform	ation and co	ommunication systems		(I20) Engineering Management, Undergraduate Academic Studies		
7.	IM1048	Enterprise resource planning systems				(I20) Engineering Management, Undergraduate Academic Studies		
8.	IM1513	Management of information systems develo			opment	(I20) Engir Studies	neering Management, Undergraduate Academic	
9.	IM1521	Busine	ess docume	nt management systems		(I20) Engineering Management, Undergraduate Academic Studies		
10.	ZC014	Inform	ation techno	ologies in energetic mana	gement	(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
11.	IMDR0S	Select and co	ed chapters ntrol	in enterprise's design, or	ganization	(I12) Indus (I22) Engi Studies	strial Engineering, Specialised Academic Studies neering Management, Specialised Academic	
						(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
12.	IMDS33	Structu	Structures of Modern Information and Comm			(112) Industrial Engineering, Specialised Academic Studies		
		Gystems				(I22) Engineering Management, Specialised Academic Studies		
		Deate	and ler	Droppoping Taskaslas		(112) Indus	strial Engineering, Specialised Academic Studies	
13.	IMDS34	Engine	ering and Mage	Anagement	s in	(I22) Engi Studies	neering Management, Specialised Academic	
14.	IMDS37	CAE/C	AD/CAM a	nd CIM Concepts and Sys	stems	(112) Indus	strial Engineering, Specialised Academic Studies	
15.	MUO00 4	Inform	ation Syste	ms in Education		(I20) Engi Studies	neering Management, Specialised Professional	
16.	IIDS8	Select	ed chapters	from Information, manag	ement and	(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
		comm	a noution sy			(112) Indu	strial Engineering, Specialised Academic Studies	
17	IM2507	Autom	ation of pro	duction systems manager	ment	(110) Indu	strial Engineering, Master Academic Studies	
				- Joseffer and Standard Stan		(I20) Engineering Management, Master Academic Studies		
18.	IM2514	Softwa	re Quality A	Assurance		(I10) Indus	strial Engineering, Master Academic Studies	
						(I20) Engin	neering Management, Master Academic Studies	
19.	IM2521	Distance Learning and Remote Work				(I20) Engir	neering Management, Master Academic Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

	ID	Course name		Study program	ne name, study type			
20.	IMDS73	Selected chapters from Information	management	(I22) Engineerin Studies	g Management, Specialised	Academic		
21.	IMDR0	Science of Industrial Engineering an	d Management	(120) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
22.	IMDR33	Structures of Modern Information an Systems	d Communication	(120) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
23.	IMDR34	Raster and Image Processing Techr Engineering and Management	nologies in	(120) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
24.	IMDR37	CAE/CAD/CAM and CIM Concepts a	and Systems	(120) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
25.	IMDR73	Selected chapters from Information	management	(120) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
26.	IMDR81	Selected chapters from Information, communication systems	management and	(120) Industrial E Doctoral Acaden	Engineering / Engineering Ma nic Studies	anagement,		
Rep	Representative refferences (minimum 5, not more than 10)							
1.	Krsmanović, C., Govedarica, M., Radović, B.: Glavni aspekti razvoja SAUP u industriji, prototipski pristup i princip integrisanosti; XI naučno-stručna konferencija INDUSTRIJSKI SISTEMI - IS"99. Zbornik abstrakata. Novi Sad. oktobar 1999 str. 34:							
2.	Bojanić, P., Krsmanović, C.: Paths and Crossroads in CAx Technologies Implementation in Engineering at the End of 2nd Millennium, International Journal of INDUSTRIAL SYSTEMS, Vol. 2, Institute of Industrial Systems Engineering, Novi Sad, October 1999, p.p. 69 - 76;							
3.	Krsmanović, C., Lukić, B.: Jedan prilaz automatizaciji projektovanja i izgradnje unikatnih tehničkih sistema; Naučno - stručna konferencija o konstruisanju, oblikovanju i dizajnu KOD 2002, Zbornik radova, Novi Kneževac, maj 2002., p.p. 31 - 36;							
4.	Krsmano Internatic Sad, Sep	vić, C., Stefanović, D.: Strategic Planr nal Symposium INTERDISCIPLINAR tember 2002;	ning of Data Protection Y REGIONAL RESEA	and Data Access RCH (Hungary, F	s After Catastrophic Events; Romania, Yugoslavia), Proc	6th eedings, Novi		
5.	Krsmanović, C., Simić, M.: Osnove razvoja i projektovanja multifunkcijskih i inteligentnih tehničkih sistema; XII međunarodna konferencija INDUSTRIJSKI SISTEMI - IS"02, Zbornik radova, Vrnjačka Banja, novembar 2002., p.p. 373 - 380;							
6.	Krsmano 7. medju	vić, C., Stefanović, D.: Automatizacija narodna konferencija FLEKSIBILNE T	kontrole tokova u indu EHNOLOGIJE - MMA	ustrijskoj proizvod 2003., Zbornik ra	nji - jedan u nizu koraka ka r dova, Novi Sad, jun 2003., p	ealizaciji CIM; p.p. 95 - 96;		
7.	Krsmano automatiz tehničkih	vić, C.: AUTOMATIZACIJA PROJEK1 zacije projektovanja predmeta rada u nauka, Novi Sad;	OVANJA U INDUSTR industrijskim proizvodr	RIJSKOM INŽENJ nim sistemima; un	ERSTVU, knjiga I: Principi i i i i i i i i i i i i i i i i i i	sredstva 1997., Fakultet		
8.	Krsmanović, C.: Information Technologies on the Start of 21st Century - Stage, Challenges and Perspectives; XIII Scientific Conference on Industrial Systems - IS"05, Herceg Novi, September 2005, Proceedings, p.p. 287 - 300;							
9.	Stefanović, D., Krsmanović, C., Stevanov, B.: A Contribution to the Automatous Preparation of the Work Process System Development in the Industrial Production Systems; XIII Scientific Conference on Industrial Systems - IS"05, Herceg Novi, September 2005, Proceedings, p.p. 405 - 414;							
10.	Bojanič, l vesesoju	P. O., Maneski, T., Krsmanovič, C.: M znogo komiteta po nauki i informatiki s	oduljnij princip proektii SSSR, strana 17., UDI	rovanija s pomošć K 621.9.06.001.63	iju EVM, štampani izvod, Re 3.681.142, broj 12A129, Mos	ferativnij žurnal kva, 1985.		
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		7					
Tota	of SCI(SS	CI) list papers :	2 Demostia i	4	Internetienel :	2		
Curre	Jurrent projects : Domestic : 1 International : 2							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Kulić J. Filip			
Academic title:					Associate Professor			
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:					01.09.1994			
Scier	ntific or art f	ield:			Automatic Co	ntrol and Sy	vstem Engineering	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
PhD	thesis		2003	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Magi	ster thesis		1999	Faculty of Technical Sci	ences - Novi S	ad	Automatic Control and System Engineering	
Bach	elor's thesis	5	1994	Faculty of Technical Science	ences - Novi S	ad	Electroenergetics	
List o	of courses b	eing hel	d by the tea	acher in the accredited stu	udy programme	es		
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
1.	AU44	Contro	i Systems I	Jesign		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(H00) Med	chatronics, Undergraduate Academic Studies	
2.	E226	Autom	atic Control	Systems		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - Indergraduate Academic Studies	
		A Control Systems Technology				(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
3.	E238A					(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
4	EE1302	Svetor	ns of Autom	actic Control in Power End	ripooring	(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
4.	LLIJUZ	Systems of Automatic Control in Power En			(E10) Po Enginee		Power, Electronic and Telecommunication leering, Undergraduate Academic Studies	
5.	H1405	Optimi	zation Meth	nods		(H00) Med	chatronics, Undergraduate Academic Studies	
6.	H302	Contro	I Systems 2	2		(H00) Med	chatronics, Undergraduate Academic Studies	
7.	M325	Autom	atic Control	Systems		(M20)Mee Undergrad	chanization and Construction Engineering, luate Academic Studies	
8.	BMI125	Biologi	cal Control	Systems		(BM0) Bio Studies	medical Engineering, Undergraduate Academic	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
9.	E2315	Electri	cal Machine	es in Automatic Control Sy	/stems	(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
10.	EMSAU 1	Autom	atic Control	Systems in Electronics		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
11.	SEAU01	Nonlin	ear progran	nming and evolutionary co	omputations	(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
12.	SEAU03	Real-ti	me control	algorithms		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
13.	DE410S	Selected Topics in the Field of Automatic C			ontrol	(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	

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UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

	List of courses hain	hold by the	toophor in the	a accordited atua	vereeremee
I	List of courses being	a neia by the	e teacher in the	e accredited stud	v programmes

	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Master
14.	E2515	Intelligent Control Systems	(MR0) Measurement and Control Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	M2550	Automatic Control Systems in Motor Vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
16.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies
17.	SEAM01	Intelligent Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
18.	DAU007	Selected Topics in Artificial Intelligence in Control and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies
10		Solociad Tonics in the Field of Automatic Control	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
19.	DE410		(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
	SID04		(F20) Engineering Animation, Doctoral Academic Studies
		Current State in the Field	(G00) Civil Engineering, Doctoral Academic Studies
20			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
20.			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
21.	DAU017	Selected Topics from Totally Integrated Automatic Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(A00) Architecture, Doctoral Academic Studies
22.	SID04	Present State in the Field	(AS0) Scenic Design, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies
Rep	oresentative	e refferences (minimum 5, not more than 10)	
1.	Dragan K 1995. 24	ζukolj, Vesna Bengin, Filip Kulić: Osnovi klasične teorije aut 1str., UDK: 681.5(075.8),	omatskog upravljanja kroz rešene probleme, Sombor, Somel,
2.	Dragan K 1995. 23	Kukolj, Filip Kulić: Projektovanje sistema automatskog uprav 2str., UDK: 681.5(075.8),	ljanja u prostoru stanja, Novi Sad, Fakulet tehničkih nauka,
3.	D.Kukolj, Compara	F.Kulić, E.Levi: Design Of The Speed Controller For Senso tive Study, Artificial Intelligence in Engineering, 2000, Vol. 1	rless Electric Drives Based On AI Techniques: A 14, str. 165- 174
4.	D.Kukolj, 2001, Vo	S.Kuzmanović, E.Levi, F.Kulić: Design of Near Optimal, Wi I. 120, No. 1, str. 17- 34	ide Range Fuzzy Logic Controller, Fuzzy Sets and Systems,
5.	D.Kukolj, of Artificia	F.Kulić, D.Popović, Z.Gorečan: Determining Topological Cl al Neural Network, Electric Machines and Power Systems, 1	hanges and Critical Load Levels of a Power System by Means 1997, Vol. 25, No. 8, str. 917- 926, ISSN 0731-356x.
6.	D.Kukolj, Europear	D.Popović, F.Kulić, Z.Gorečan: Fast Dynamic Stability Ana Transactions on Electrical Power (ETEP), 1998, Vol. 8, No	lysis of a Power System Using Artificial Neural Networks, b. 3, str. 207- 212, ISSN 1430-144X.
7.	D.Popovi Reduced	ć, D.Kukolj, F.Kulić: Monitoring and Assessment of Voltage Input Set, IEE ProcGener. Transm. Distrib, 1998, Vol. 14	Stability Margins Using Artificial Neural Networks with a 5, No. 4, str. 355- 362, ISSN 1350-2360.



Study Programme Accreditation



Rep	Representative refferences (minimum 5, not more than 10)									
8.	Matić Dragan, Kulić Filip, Pineda-Sanchez Manuel, Kamenko Ilija: "Support vector machine classifier for diagnosis in electrical machines: Application to broken bar", Expert Systems With Applications, vol.39 br.10, str. 8681-8689, 2012.									
9.	Čongradac Velimir, Kulić Filip: "Recognition of the importance of using artificial neural networks and genetic algorithms to optimize chiller operation", Energy and Buildings, vol. 47, str. 651-658; April 2012.									
10.	liić Slobodan; Vukmirović Srđan; Erdeljan Aleksandar; Kulić Filip: "Hybrid Artificial Neural Network System for Short-Term Load Forecasting, Thermal Science, vol.16, br., str. S215-S224, 2012									
Sur	Summary data for teacher's scientific or art and professional activity:									
Quot	ation total :	32								
Tota	of SCI(SSCI) list papers :	12								
Curre	ent projects :	Domestic :	2	International :	0					



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Academic title: Name of the institution whe starting date: Scientific or art field: Academic carieer Y	Year 012 003	acher works full time and Institution Faculty of Technical Scie	Guest Profess - Proizvodni sis	sor stemi, organ	izacija i menadžment-projektovanje proizvodnih		
Name of the institution whe starting date: Scientific or art field: Academic carieer Y	Year 012 003	acher works full time and Institution Faculty of Technical Scie	- Proizvodni sis	stemi, organ	izacija i menadžment-projektovanje proizvodnih		
Scientific or art field: Academic carieer Y	Year 012 003	Institution Faculty of Technical Scie	Proizvodni sis	stemi, organ	izacija i menadžment-projektovanje proizvodnih		
Academic carieer Y	Year 012 003	Institution Faculty of Technical Scie			, , , , , , , , , , , , , , , , , , , ,		
	012 003	Faculty of Technical Scie			Field		
Academic title election: 20	003		ences - Novi Sa	ad	Proizvodni sistemi, organizacija i menadžment- projektovanje proizvodnih sistema		
PhD thesis 20	000	University of Maribor - M	aribor		Production Systems, Organization and Management		
Magister thesis 19	993	University of Maribor - M	aribor		Production Systems, Organization and Management		
Bachelor's thesis 19	982	University of Maribor - M	aribor		Mechanical Engineering		
List of courses being held b	by the tea	cher in the accredited stu	dy programme	S			
ID Course na	ame			Study pro	gramme name, study type		
				(GI0) Geo	desy and Geomatics, Undergraduate Academic		
	untal a sf ((S01) Post Undergrad	tal Traffic and Telecommunications, uate Academic Studies		
1. IM1039 Fundame	entais of C	Operations management		(ZC0) Clea Academic S	an Energy Technologies, Undergraduate Studies		
				(ZP0) Disa Undergradi	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
2. IM1119 Product m	2. IM1119 Product management at end of life			(I20) Engin Studies	neering Management, Undergraduate Academic		
3. ZR401A Science o	ZR401A Science on Work			(Z01) Safety at Work, Undergraduate Academic Studies			
4 FI504 Managerr	504 Management of Small and Medium Enterp			(MR0) Mea	asurement and Control Engineering, Master Studies		
				(E10) Powe	er, Electronic and Telecommunication g, Master Academic Studies		
5. ZR502 Occupatio	5. ZR502 Occupational Risk Assessment			(Z01) Safe	ety at Work, Master Academic Studies		
Manufacti	turing stra	ateav (KAIZEN I EAN KA	NBAN	(110) Industrial Engineering, Master Academic Studies			
6. IM2102 EFPS)	anng oue			(M50) Energy Management, Master Academic Studies			
				(I20) Engin	eering Management, Master Academic Studies		
7. IM2222 Managing	g Innovati	on Projects		(M50) Ene	ergy Management, Master Academic Studies		
8 IM2315 Product a	and Proce	es Improvement Projects		(120) Engin	eering Management, Master Academic Studies		
0. 1112313 1100000 a				(120) Engin	strial Engineering, Master Academic Studies		
9. IM2316 Theory of	f Constrai	ints		(120) Engin	eering Management, Master Academic Studies		
10 IM2210 Project ov	voluction			(OM1) Ma	thematics in Engineering, Master Academic		
	valuation			(120) Engin	eering Management, Master Academic Studies		
11. IM2922 eHRM				(I20) Engin	eering Management, Master Academic Studies		
12. ZRD27A Operation safety	ns manag	ement in the security and	occupational	(Z01) Safety at Work, Doctoral Academic Studies			
13. ZRD28A Selected t	topics in	the science of occupation	al safety	(Z01) Safe	ety at Work, Doctoral Academic Studies		
Representative refference	es (minim	um 5, not more than 10)					
POLAJNAR, Andrej, 1. sewing workstations ime.eu/scripts/down	, LEBER, s. Stroj. v load.php	, Marjan, VUJICA-HERZC estn., 2010, vol. 56, no. 1 ?file=/data/upload/2010/0	9G, Nataša. Mu , str. 31-40. httj 1/ 4_2008_118	iscular-skele p://sl.sv- 3 Polainar z	etal diseases require scientifically designed		
2. POLAJNAR, Andrej, cell by using comput	, BUCHN	IEISTER, Borut, LEBER, ation. Int. j. oper. prod. ma	Marjan. Analys anage., 1995. l	is of differer et. 15, št. 6.	nt transport solutions in the flexible manufacturing str. 51-58. [COBISS.SI-ID 7611908]		
POLAJNAR, Andrej, 3. Rationalization of se [COBISS.SI-ID 7901	, BUCHN eries prod 1444]	IEISTER, Borut, LEBER, luction by applying the pri	Marjan. Racior nciples of type	nalizacija v s technology.	erijski proizvodnji po načelih tipske tehnologije = . Stroj. vestn., 1995, let. 41, št. 7/8, str. 263-270.		

5	TAS SIUN	UNIVERSITY OF NOVI SAD						
ALL OLON		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
		Study Programme Accreditation						
- p	LANTER	UNDERGRADUATE ACADEMIC S	STUDIES	Cle	ean Energy Technologies	- He		
Rep	presentative re	efferences (minimum 5, not more th	an 10)					
 LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Načrtovanje zanesljivosti izdelkov in proizvodnih sistemov z upoštevanjem analize mogočih napak in njihovih posledic = Planning of product reliability and production systems by using failure modes and effects analysis. Stroj. vestn., 1994, let. 40, št. 9/10, str. 333-338. [COBISS.SI-ID 6902532] 								
5.	KALPIČ, Branko, POLAJNAR, Andrej, LEBER, Marjan, BUCHMEISTER, Borut. Navidezna resničnost - simulirno orodje prihodnosti = Virtual reality - simulation tool of the future. Stroj. vestn., 1998, let. 44, št. 5/6, str. 187-194. [COBISS.SI-ID 2631963]							
6.	BUCHMEISTER, Borut, LEBER, Marjan, PAVLINJEK, Jože. Impact of periodic changing demand to supply chain inventories. Mech. Eng. Sci. J. (Skopje), 2007, vol. 26, no. 2, str. 79-86. [COBISS.SI-ID 12189974]							
7.	LEBER, Ma Slovaca (Ko	LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Successful FMEA study based on QFD analysis. Acta Mech. Slovaca (Košice), 2002, ročnik 6, 2, str. 187-190. [COBISS.SI-ID 7165206]						
8.	POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Simulationsvergleich von Modellen für die Layoutplannung. E I, Elektrotech. Inf.tech., 111 (1994), 6 ; str. 277-279. [COBISS.SI-ID 6328580]							
9.	LEBER, Ma Fehlermögl	arjan, POLAJNAR, Andrej, BUCHMI ichkeits- und Einflussanalyse. E I, E	EISTER, Borut. Qualita Elektrotech. Inf.tech., 1	ätssicherung der 11 (1994), 6 ; str	Produktionsplannung durch . 324-327. [COBISS.SI-ID 6	Anwendung der 328836]		
10.	FULDER, Tatjana, PIŽMOHT, Petja, POLAJNAR, Andrej, LEBER, Marjan. Ergonomically designed workstation based on simulation of worker's movements. Int. j. simul. model., Mar. 2005, vol. 4, no. 1, str. 27-34. [COBISS.SI-ID 9448214]							
Sun	nmary data fo	r teacher's scientific or art and profe	essional activity:					
Quota	ation total :		0					
Total	of SCI(SSCI)	list papers :	5					
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

Clean Energy Technologies

Name and last name:					Ličen S. Branislava			
Academic title:			Lecturer					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:					07.04.2005			
Scier	ntific or art f	ield:			English			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	English	
Bach	nelor's thesis	S	2009	Faculty of Philosophy - I	Novi Sad		Philology	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arch	hitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	e intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arch	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arcl	hitecture, Undergraduate Academic Studies	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(F10) Eng Studies	ineering Animation, Undergraduate Academic	
5.	E21I0	21I0 Izborni strani jezik 1				(GI0) Geodesy and Geomatics, Undergraduate Acader Studies		
						(SE0) Software Engineering and Information Technologi Undergraduate Academic Studies		
						(SEL) Software Engineering and Information Technologie Loznica, Undergraduate Academic Studies		
					(G00) Civil Engineering, Undergraduate Academic Studie			
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
						(M30) Energy and Process Engineering, Undergrad Academic Studies		
6.	EJ01L	Englis	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		
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
					(F00) Graphic Engineering and I Academic Studies		phic Engineering and Design, Undergraduate Studies	
						(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
7.	EJ01Z	Englis	h Language	e - Elementary		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	



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



Study Programme Accreditation

Clean Energy Technologies

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

	ID	Course name	Study programme name, study type
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
8.	EJ02L	English Language – Pre-Intermediate	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(I10) Industrial Engineering, Undergraduate Academic Studies
0	E 1027	English Language – Pre-Intermediate	(I20) Engineering Management, Undergraduate Academic Studies
9.	EJUZZ		(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
	EJ03Z	English Language - Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
10.			(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
11.	EJ04L	English Language – Upper Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
12.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies

HAS STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

v programme	es being held by the teacher in the accredited study	
v pi		1

	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Undergraduate
			(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
	EJ3L		(F10) Engineering Animation, Undergraduate Academic Studies
15.		English Language – Advanced	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
16.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
17.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
18.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies
19.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
20.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
21.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
22.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
23.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
24		English Language - ESD Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies
24.	EJIVI	Lingiish Language - ESF Coulse	(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

ANTERS STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

IDCourse nameStudy programme name, studies27.EJZEnglish Language - Specialized(Z20) Environmental Engineer Studies28.F320English Language - ESP Course 1(F00) Graphic Engineering at Academic Studies29.F321English Language - ESP Course 2(F00) Graphic Engineering at Academic Studies30.ISIT07English Language 2(SII) Software and Informatio Undergraduate Professional Studies31.ASI381English language 1(AS0) Scenic Architecture, Te Undergraduate Academic Studies32.ASI431English Language 2(AS0) Scenic Architecture, Te Undergraduate Academic Studies33.BMI80English 1(BM0) Biomedical Engineering Studies	dy type
27. EJZ English Language - Specialized (Z20) Environmental Enginee Studies 28. F320 English Language – ESP Course 1 (F00) Graphic Engineering at Academic Studies 29. F321 English Language – ESP Course 2 (F00) Graphic Engineering at Academic Studies 30. ISIT07 English Language 2 (SII) Software and Informatio Undergraduate Professional S 31. ASI381 English language 1 (AS0) Scenic Architecture, To Undergraduate Academic Studies 32. ASI431 English Language 2 (AS0) Scenic Architecture, To Undergraduate Academic Studies 33. BMI80 English 1 (BM0) Biomedical Engineering Studies	5.51
28. F320 English Language – ESP Course 1 (F00) Graphic Engineering at Academic Studies 29. F321 English Language – ESP Course 2 (F00) Graphic Engineering at Academic Studies 30. ISIT07 English Language 2 (SII) Software and Informatio Undergraduate Professional S 31. ASI381 English language 1 (AS0) Scenic Architecture, To Undergraduate Academic Studies 32. ASI431 English Language 2 (AS0) Scenic Architecture, To Undergraduate Academic Studies 33. BMI80 English 1 (BM0) Biomedical Engineering Studies	ing, Undergraduate Academic
29. F321 English Language – ESP Course 2 (F00) Graphic Engineering at Academic Studies 30. ISIT07 English Language 2 (SII) Software and Informatio Undergraduate Professional S 31. ASI381 English language 1 (AS0) Scenic Architecture, Te Undergraduate Academic Studies 32. ASI431 English Language 2 (AS0) Scenic Architecture, Te Undergraduate Academic Studies 33. BMI80 English 1 (BM0) Biomedical Engineerin Studies	nd Design, Undergraduate
30. ISIT07 English Language 2 (SII) Software and Informatio Undergraduate Professional S 31. ASI381 English language 1 (AS0) Scenic Architecture, Te Undergraduate Academic Stu 32. ASI431 English Language 2 (AS0) Scenic Architecture, Te Undergraduate Academic Stu 33. BMI80 English 1 (BM0) Biomedical Engineerin Studies	nd Design, Undergraduate
31. ASI381 English language 1 (AS0) Scenic Architecture, To Undergraduate Academic Stu 32. ASI431 English Language 2 (AS0) Scenic Architecture, To Undergraduate Academic Stu 33. BMI80 English 1 (BM0) Biomedical Engineerin Studies	n Technologies (Inđija), itudies
32. ASI431 English Language 2 (AS0) Scenic Architecture, To Undergraduate Academic Stu 33. BMI80 English 1 (BM0) Biomedical Engineerin Studies	echnique and Design, dies
33. BMI80 English 1 (BM0) Biomedical Engineerir Studies (PM0) Biomedical Engineerir	echnique and Design, dies
(DM0) Diamodical Engineerin	g, Undergraduate Academic
34. BMI81 English 2 (BMO) Biomedical Englineerin Studies	g, Undergraduate Academic
(110) Industrial Engineering, U Studies	Indergraduate Academic
(I20) Engineering Manageme Studies	nt, Undergraduate Academic
36. ETI05 English language - Elementary (E02) Electronics and Teleco Professional Studies	mmunications, Undergraduate
37. ETI10 English Language-Lower (E02) Electronics and Teleco Professional Studies	mmunications, Undergraduate
38. ETI15 Engleski jezik - srednji (E02) Electronics and Teleco Professional Studies	mmunications, Undergraduate
39. ETI20 Engleski jezik - napredni (E02) Electronics and Teleco Professional Studies	mmunications, Undergraduate
(E20) Computing and Contro Academic Studies	Engineering, Undergraduate
(ES0) Power Software Engin Academic Studies	eering, Undergraduate
(F10) Engineering Animation Studies	Undergraduate Academic
40. EJ1Z English Language - Elementary (GI0) Geodesy and Geomatic Studies	s, Undergraduate Academic
(SE0) Software Engineering a Undergraduate Academic Stu	and Information Technologies, dies
(SEL) Software Engineering a Loznica, Undergraduate Acad	and Information Technologies - emic Studies
(AH0) Architecture, Master Ac	ademic Studies
(E20) Computing and Contro Academic Studies	Engineering, Undergraduate
(ES0) Power Software Engin Academic Studies	eering, Undergraduate
(F10) Engineering Animation Studies	Undergraduate Academic
41. EJ2Z English Language – Intermediate (GI0) Geodesy and Geomatic Studies	s, Undergraduate Academic
(SE0) Software Engineering a Undergraduate Academic Stu	and Information Technologies, dies
(SEL) Software Engineering Loznica, Undergraduate Acad	and Information Technologies - emic Studies
(AH0) Architecture. Master Ac	ademic Studies
42. eja English Language – a Specialized Course (AH0) Architecture. Master Ac	ademic Studies
43. EJE7 English Language - Advanced (E10) Power, Electronic and T Engineering. Master Academi	elecommunication
44. F507 English Language for GRID 3 (F00) Graphic Engineering at	d Dosign Master Acadomic

SITAS STUD			UNIVERSITY OF NOVI SAD						
ANN ANN		FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
0.2		Study F	Study Programme Accreditation						
<i>'</i> O <i>t</i>	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	. HOS			
List o	List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	udy programme name, study type				
45.	NIT03	Business English		(NIT) Industrial Technologies, M	Engineering - Advanced Eng laster Academic Studies	jineering			
Rep	oresentative	refferences (minimum 5, not more th	an 10)						
1.	 "Formal and Aesthetic Aspects of Nadine Gordimer's Short Story", Romanian Journal of English Studies, University of the West Timisoara, br. 7, 2010., str.191-198. 								
2.	 "Summarization Skills of Engineering Students' Reading in a Second Language", Jezik struke, izazovi i perspektive, Univerzitet u Beogradu, 2011., str. 291-299. 								
3.	"On Race the 9th H	e, Ethnicity and Gender in Nadine Gor USSE Conference, Pecs, 2010., str. 2	dimer's 'Jump and Otl 285-290.	ner Stories", Sele	cted Papers in Literature and	d Culture from			
4.	"Living in British an	the Interregnum: Nadine Gordimer's d American Studies, University of th	'Conservationist', 'Burg e West Timisoara, br.)	ger's Daughter' a KXI, maj 2011., st	nd 'July's People''', B.A.S. C r. 28.	onference on			
5.	"Preispitiv	vanje istorijskog konteksta u Barnsov	om romanu Floberov p	apagaj", Sveske,	, br.100, Pančevo, jun 2011	., str. 69-77.			
6.	"Kreiranje Beogradu	e udžbenika za stručni engleski jezik z ı, 2009., str.445-454.	za studente različitog p	oredznanja", Jeził	< struke, teorija i praksa, Uni	verzitet u			
7.	"Istorijat r 2009., str	nastave stručnog engleskog jezika na . 170-176.	FTN-u u Novom Sadu	ı", Jezik struke, te	eorija i praksa, Univerzitet u	Beogradu,			
8.	Zajednica	a i pojedinac u delima Toni Morison u	romanima Najplavlje c	oko, Sula, Voljena	i Katreno luče, 2009.				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		0						
Tota	of SCI(SSC	CI) list papers :	0						
Curre	Current projects : Domestic : 0 International : 0								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:				Lončarević M. Ivana				
Acad	lemic title:				Assistant Professor			
Name of the institution where the teacher works full time and			acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad		
starti	ng date:				01.06.2004			
				1	Physics			
Acad	lemic caries	er	Year	Institution				
Acad		lection:	2010				Physics	
PhD			2010	Faculty of Physics - Beo	grad		Physical Science	
Magi	ster thesis	_	2008	Faculty of Physics - Beo	igrad		Physical Science	
Bach	elor's thesis	S	2003	Faculty of Sciences - No	, Sad		Physical Science	
LIST	of courses b	eing nei	d by the tea	acher in the accredited stu	ldy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1	F103	Physic	s			(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
2.	EOS06	Physic	s			(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies	
3.	GG06	Civil E	ngineering l	Physics		(G00) Civi	I Engineering, Undergraduate Academic Studies	
						(F10) Eng Studies	ineering Animation, Undergraduate Academic	
4.	H101	Physic	S			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						(H00) Mechatronics, Undergraduate Academic Studies		
5.	IAFI01	Colors and Light				(F10) Eng Studies	ineering Animation, Undergraduate Academic	
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
						(M30) Energy and Process Engineering, Undergraduate Academic Studies		
6.	M101	Techni	cal Physics			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies(P00) Production Engineering, Undergraduate Academic Studies		
						(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
7.	ETI06	Physic	s			(E02) Elect Profession	ctronics and Telecommunications, Undergraduate al Studies	
8.	ZC008	Techni	cal physics			(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
Rep	oresentative	e reffere	nces (minim	num 5, not more than 10)				
1.	Budinski- objects o	Petkovi n a trian	ć Lj., Lonča gular lattice	rević I., Petkovic M., Jaks e, Physical Review E, 2012	ic Z., Vrhovac S 2, Vol. 85, No (S.: Percolat)61117, pp.	tion in random sequential adsorption of extended 1-8	
2.	Budinski- adsorptio	Petkovi n of exte	ć Lj., Lonča ended objec	rević I., Jakšić Z., Vrhovac cts on a triangular lattice,	c S., Švrakić N Physical Revie	: Simulation w E, 2011, N	n study of anisotropic random sequential Vol. 84, No 5, pp. 5160-1	
3.	Šćepano with cons	vić J., Lo trained	ončarević I. movements	, Budinski-Petković Lj., Ja on a triangular lattice, Ph	kšić Z., Vrhova vysical Review	ic S.: Relax E, 2011, Vo	ation properties in a diffusive model of k-mers I. 84, No 031109, pp. 1-13	
4.	Lončarev a one-din	rić I., Bu nensiona	dinski-Petko al lattice, Jo	ović Lj., Vrhovac S., Belić ournal of Statistical Mecha	A.: Generalize	ed random s nd Experime	equential adsorption of polydisperse mixtures on ent, 2010, ISSN 1742-5468	
5.	Lončarev lattice, Pl	rić I., Bu nysical F	dinski-Petko Review E, 2	ović Lj., Vrhovac Lj., Belić 009, Vol. 80, No 2	A.: Adsorption	n, desorptior	n, and diffusion of k-mers on a one-dimensional	
6.	Budinski- Randon Physi	Petkovi n sequer	ć Lj., Vrhova ntial adsorp	ac S., Lončarević I.: tion of polydisperse mixtu	res on discrete	substrates		
7.	Lončarev	ić I., Bu	dinski-Petko	ović Lj., Vrhovac S.: Simu	lation study of	random sec	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

PLANTER		UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	HOS			
Rep	Representative refferences (minimum 5, not more than 10)								
8.	8. 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.	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.	Satarić M., Kozmidis-Luburić U., Budinski-Petković Lj., Lončarević I.: Intrinsic Electric Fields as a Control mechanism of Infracellular Transport along Microtubules, Journal of Computational and Theoretical Nanoscience, 2009, Vol. 6, pp. 721-731, ISSN 1546-1955								
Sun	Summary data for teacher's scientific or art and professional activity:								
Quot	ation total :		0						
Total of SCI(SSCI) list papers : 12									
Curre	ent projects :		Domestic :	1	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Lukić J. Tibor						
Acad	lemic title:				Assistant Professor				
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				01.07.2012				
Scier	ntific or art f	ield:			Mathematics				
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	lection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Mathematics		
PhD	thesis		2011	Faculty of Technical Sci	ences - Novi S	ad	Mathematics		
Magi	ster thesis		2004	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
Bach	elor's thesis	S	1998	Faculty of Sciences - No	ovi Sad		Mathematical Sciences		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	gramme name, study type		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
1.	E212	Mathe	matical Ana	lysis 1		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
2	5040	Disers	ta Mathaina	tion and Lincon Alashar		(MR0) Measurement and Control Engineering, Undergraduate Academic Studies			
۷.	E213	Discre	Discrete Mathematics and Linear Algebra			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies			
						(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies			
2	F221A					(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
э.	EZZIA	Mathe	matical Ana	iysis z		(MR0) Me Undergrad	MR0) Measurement and Control Engineering, Jndergraduate Academic Studies		
4.	IAM004	Geom	etry of Disc	rete Space		(F10) Engineering Animation, Undergraduate Academic Studies			
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies		
5	M106	Matho	matics 2			(M30) Energy and Process Engineering, Undergraduate Academic Studies			
5.	WITOO	Mathematics 2				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
						(P00) Production Engineering, Undergraduate Academic Studies			
6	M4201	Mathe	matics 3			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
0.		matric				(M40) Tec Undergrad	nnical Mechanics and Technical Design, uate Academic Studies		
7.	M4202	Applie	d Mathema	tical Analysis		(M40) Tec Undergrad	chnical Mechanics and Technical Design, uate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
						(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
8.	Z104	Z104 Mathematics 1				(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	ID	Course name		Study programme name, study type			
				(Z01) Safety at	Work, Undergraduate Acade	emic Studies	
			(ZC0) Clean Energy Technologies, Unde Academic Studies		ergy Technologies, Undergr	aduate	
9.	Z106	Mathematics 2		(ZP0) Disaster Risk Management and Fire S Undergraduate Academic Studies		Safety,	
				(Z20) Environme Studies	ental Engineering, Undergrad	duate Academic	
10.	E101	Discrete Mathematics		(ES0) Power So Academic Studie	oftware Engineering, Underg es	raduate	
11.	ISIT02	Mathematics 1		(SII) Software a Undergraduate F	nd Information Technologies Professional Studies	s (Inđija),	
12.	Z104	Matematika 1(uneti naziv na englesk	com)	(Z20) Environme Studies	ental Engineering, Undergrad	duate Academic	
13.	Z106	Matematika 2(uneti naziv na englesk	com)	(Z20) Environme Studies	ental Engineering, Undergrad	duate Academic	
14.	0ML503	Combinatorics and Graph Theory		(OM1) Mathema Studies	atics in Engineering, Master	Academic	
15.	0ML507	Logic in computer science		(OM1) Mathema Studies	atics in Engineering, Master	Academic	
16.	IA022	Numerical Optimization		(F20) Engineeri	ng Animation, Master Acade	mic Studies	
Representative refferences (minimum 5, not more than 10)							
1.	1. Tibor Lukic, Nebojsa M. Ralevic, Geometric Mean Newton''s Method for Simple and Multiple Roots, Elsevier, Applied Mathematics Letters 21, pp. 30-36, 2008.						
2.	2. Joakim Lindblad, Nata sa Sladoje, and Tibor Lukic, Feature Based Defuzzication in Z2 and Z3 Using a Scale Space Approach, Springer-Verlag, Volume 4245,of Lecture Notes in Computer Science, pp. 378-389, 2006.						
3.	Tibor Luk Springer-	ic, Natasa Sladoje, and Joakim Lindb Verlag, Volume 5096 of Lecture Notes	lad, Deterministic Defusion of the second strain of	uzzication based o e, pp. 476-485, 20	on Spectral Projected Gradie 008.	ent Optimization,	
4.	Zorana L Mathema	u zanin and Tibor Lukic, Convergence tics, pp. 71-79, 2005.	e of the MRV method a	at singular points,	Volume 35 of Novi Sad Jou	rnal of	
5.	Tibor Luk Proceedii	ic, Neboj sa M. Ralevic and Aniko Luł ngs of 4th Serbian-Hungarian Joint Sy	kity, Application of Agg mposium on Intelliger	pregation Operato nt Systems, pp. 32	ors in Solution of Nonlinear E 29-339, Subotica, 2006.	quations,	
6.	Tibor Luk Proceedii	ic and Neboj sa M. Ralevic, Newton"s ngs of 3rd Serbian-Hungarian Joint Sy	Method with Acceleration on Intelliger	ated Convergence nt Systems, pp. 12	e Modified by an Aggregation 21-128, Subotica, 2005.	n Operator,	
7.	Tibor Luk ing Based IOP Publ	ic, Joakim Lindblad, and Natasa Slad d on Spectral Gradient Optimization, li ishing, 2011.	oje, Regularized Imag nverse Problems, Vol.	e Denois- 27:085010,			
8.	Lukić T.: in Compu	Energy-minimization based Discrete T Iter Science, LNCS, 2012	omography Reconstruction	uction Method for	Images on Triangular Grid,	Lecture Notes	
	Tibor Luk Reconstr	ic, Benedek Nagy, Energy-minimizatio uction Method for Images on Triangula	on based Discrete Tor ar Grid, Proceedings o	nography of Combi-			
9.	natorial Ir USA, LN	nage Analysis - 15th International Wo CS, Vol. 7655, Springer-Verlag, pp. 27	rkshop (IWCIA), Austi 74-284, 2012.	n (TX),			
10.	Zorana L points, No	uzanin and Tibor Lukic, Convergence ovi Sad Journal of Mathematics, Vol. 3	of the MRV method a 35, pp. 71{79, 2005.	t singular			
Sun	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	ation total :		0				
Total	of SCI(SSC	CI) list papers :	8		F		
Curre	ent projects	:	Domestic :	2	International :	0	



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name: Ma			Marčetić P. D	Marčetić P. Darko					
Acad	lemic title:				Associate Pro	Associate Professor			
Name of the institution where the teacher works full time and F			Faculty of Tee	Faculty of Technical Sciences - Novi Sad					
starting date: 01			01.04.2007						
Scientific or art field: Powe			Power Electro	onics, Mach	ines and Facilities				
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Power Electronics, Machines and Facilities		
PhD	thesis		2006	School of Electrical Engi	neering - Beog	jrad	Power Electronics, Machines and Facilities		
Magi	ster thesis		1998	School of Electrical Engi	neering - Beog	rad	Power Electronics, Machines and Facilities		
Bach	elor's thesis	S	1992	Faculty of Technical Sci	ences - Novi Sa	ad	Electronics		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	es			
	ID	Course	e name			Study pro	ogramme name, study type		
						(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies		
1.	E133	Power	Converters	;		(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	EE308	Power	Electronics	2		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
3.	EOS14	Labora	atory from e	lectrical machines		(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
4.	EOS25	Solar and hybrid electric plants				(E01) Pow Energy, Ur	E01) Power Engineering - Renewble Sources of Electrical nergy, Undergraduate Professional Studies		
5.	F203	Electrical Machines				(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies		
6.	HE2465	Mechatronics of Transport and Construction N			Machines	(M20)Me Undergrad	chanization and Construction Engineering, uate Academic Studies		
7		Application of minana and in a second second			aincoring	(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies		
7.		дрис			gineening	(E10) Pow Engineerin	er, Electronic and Telecommunication Ig, Undergraduate Academic Studies		
8	EEI310	Indust	rial systems	and protocols		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies		
0.	LEIGTO	maasa	nar systems			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
9.	DE109S	Select	ed Chapters	s in Electromotive Drives		(E11) Pow Engineerin	E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies		
10.	DE409S	Moder Conve	n Methods rters	of Digital Control of Drives	and	(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
11.	EE524	Metho Microc	ds of Regul conrollers	ation of Power Converters	s with	(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
12.	EE534	Specia	al Electric M	otor Drives		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
13.	EE537	Specia	al Electrical	Machines		(E10) Pow Engineerin	er, Electronic and Telecommunication Ig, Master Academic Studies		
14.	DE109	Select	ed Chapters	s in Electromotive Drives		(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
15.	DE409	Moder	n Methods	of Digital Control of Drives	and	(E10) Net	ver, Electronic and Telecommunication		
Rer	presentative		nces (minim	um 5 not more than 10)					
	Marčetić			ved Three-Phase Current	Reconstruction	a for Inductiv	on Motor Drives With DC-Link Shunt JEEE		
1.	Transacti	ion on Ir	dustrial Ele	ectronics, 2010, Vol. 57, N	o 7, pp. 1-9, IS	SN 0278-00)46		
2.	Marčetić Industrial	D., Vuko Electro	osavic S.: S nics, 2007,	peed Sensorless AC Driv Vol. 54, No 5, pp. 2618	es with the Rot -2625 ,ISSN	or Time Co I <span cla<="" td=""><td>nstant Parameter Update, IEEE Transaction on ass=skype_pnh_</td>	nstant Parameter Update, IEEE Transaction on ass=skype_pnh_		



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



Study Programme Accreditation

Rep	Representative refferences (minimum 5, not more than 10)							
3.	Marčetić D., Krcmar I., Matic P.: Discrete Rotor Flux Estimator for High Performance Induction Motor Drives with Low Sampling to Fundamental Frequency Ratio, International Review of Electrical Engineering IREE, 2012, Vol. 7, No 2, pp. 3804-3813.							
4.	Porobić V., Adžić E., Marčetić D.: High Speed Shaft Sensorless DFOC Induction Motor Drive with Field Angle Correction, International Review of Electrical Engineering IREE, 2011, Vol. 6, No 4, ISSN 1827-6660							
5.	Tomić J., Kušljević M., Marčetić D.: An Adaptive Resonator Based Method for Power Measurements According to the IEEE Trial- Use Standard 1459-2000, IEEE Transactions on Instrumentation							
6.	Vasić V., Marčetić D., Jeftenić B., Vladan J.: Sp Time Constant Identification, IET ELECTR PO	oeed-Sensorless Cont WER APP, 2010, Vol.	rol of Induction M 4, No 6, ISSN 17	otor Based on Reactive Pov 51-8660	ver with Rotor			
7.	Vasić V., Marčetić D., Oros Đ.: Prediction of Local Instabilities in Open-loop Induction Motor Drives, COMPEL - The international journal for computation and mathematics in electrical engineering, 2010, Vol. 29, No 3, ISSN 0332-1649							
8.	Oros Đ., Vasić V., Marčetić D., Kulić F.: Influence of parameters detuning on induction motor NFO shaft-sensorless scheme, Journal of Advances in Electrical and Computer Engineering, 2010, Vol. 10, No 4, pp. 121-124, ISSN 1582-7445.							
9.	Oros Đ., Vasić V., Marčetić D.: NFO sensorles Power Components	s induction motor drive	e with on-line state	or resistance parameter upd	ate, Electric			
10.	Kušljević M., Tomić J., Marčetić D.: Active power measurement algorithm for power system signals under non-sinusoidal conditions and wide-range frequency deviations, IET Generation, Transmission							
Sur	nmary data for teacher's scientific or art and profe	essional activity:						
Quot	ation total :	0						
Tota	of SCI(SSCI) list papers :	10						
Curre	ent projects :	Domestic :	1	International :	0			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Maretić B. Ratko						
Acad	lemic title:				Full Professor				
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad						
starti	ng date:				18.05.1993				
Scientific or art field:			Deformable Body Mechanics						
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic title e	lection:	2009	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics		
PhD	thesis		1997	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics		
Magi	ster thesis		1993	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics		
Bach	elor's thesis	S	1987	Faculty of Technical Sci	ences - Novi S	ad	Deformable Body Mechanics		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s			
	ID	Course	e name			Study pro	ogramme name, study type		
1.	A237	Materia	al Resistan	ce		(A00) Arch	hitecture, Undergraduate Academic Studies		
						(M20) Me	chanization and Construction Engineering,		
						Undergrad	uate Academic Studies		
						(M30) Ene	ergy and Process Engineering, Undergraduate		
2.	M204	Streng	th of Materi	als		(M40) Tec	chnical Mechanics and Technical Design		
						Undergrad	uate Academic Studies		
						(P00) Proe	duction Engineering, Undergraduate Academic		
						Studies			
3.	M4305	Thermomechanics				(M40) Tec Undergrad	echnical Mechanics and Technical Design, aduate Academic Studies		
4.	URZP14	Fundamentals of Mechanical Engineering				(ZP0) Disa Undergrad	Disaster Risk Management and Fire Safety, aduate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
5.	Z108	Funda	mentals of	Mechanics		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
0	DMI407	Diama	-h-ni			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
ю.	BINITZ7	Biome	chanics			(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
7.	II1004	Mecha	inics and In	dustrial Engineering		(I10) Indus Studies	strial Engineering, Undergraduate Academic		
8.	M44051	Theory	/ of Plates a	and Shells		(M40) Teo Undergrad	chnical Mechanics and Technical Design, luate Academic Studies		
9.	M4501	Industr	rial Design			(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies		
10.	M4505	Modell	ing of non-l	inear systems		(M40) Tec Academic	chnical Mechanics and Technical Design, Master Studies		
						(M00) Me	chanical Engineering, Doctoral Academic Studies		
11	DM403	Mathe	matical Roc	Theory		(M40) Tec	chnical Mechanics, Doctoral Academic Studies		
						(OM1) Ma	thematics in Engineering, Doctoral Academic		
		<u> </u>				Studies			
12.	ZRD16A	Select	ed chapters	in mechanics and elastic	ity theory	(201) Safe	ety at work, Doctoral Academic Studies		
Rep	presentative	e refferei	nces (minin	num 5, not more than 10)					
1.	R. Mareti Internatic	c, V. Gla nal Jour	avardanov a rnal of Struc	and V. Milosevic-Mitic: Tra ctural Stability and Dynam	nsverse vibrat ics, 2010, 10(5	ions and sta i), 1111-112	ability of a heavy and heated vertical circular plate. 1.		
2.	V. Glavar Journal o	danov, f Mecha	R. Maretic a anics A/Soli	and N. Grahovac: Buckling 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	etic: Stability of a twisted a	nd compresse	d clamped r	od. Acta Mechanica, 2009, 202, 17-33.		
4.	R. Mareti Sound ar	c and V nd Vibra	. Glavardar tion, 2008,	ov: Impact of mounting w 313, 308- 324.	ith an overlap o	on vibration	and stability of a rotating annular plate. Journal of		

SITAS STUDIO			UNIVERSITY OF NOVI SAD					
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
C.C		Study F	Study Programme Accreditation					
.01	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Cle	ean Energy Technologies	e Hos		
Rep	Representative refferences (minimum 5, not more than 10)							
5.	5. R. Maretic, V. Glavardanov and D. Radomirovic: Asymmetric vibrations and stability of a rotating annular plate loaded by a torque. Meccanica, 2007, 42, 537- 546.							
6.	R. Maretic, 467-478.	R. Maretic, 2005, "Transverse vibration and stability of an eccentric rotating circular plate", Journal of Sound and Vibration 280, 467-478.						
7.	R. B. Maret Mechanics,	B. Maretic, V. B. Glavardanov, 2004, "Stability of a Rotating Heated Circular Plate with Elastic Support", Journal of Applied schanics, Transactions of the ASME, 71, 897-899.						
8.	R. B. Maret Attached to	ic and Τ. Μ. Atanackovic, 2001, Joι Elastic Half-Space.	urnal of Engineering M	lechanics Vol 127	, 242-247, Buckling of Colu	mn with Base		
9.	L. Cvetican	Cveticanin, R. Maretic, 2000., Mechanism and Machine Theory 35, 1391-1411. Dynamic analysis of a cutting mechanism.						
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.							
Sur	nmary data fo	or teacher's scientific or art and profe	essional activity:					
Quot	ation total :		25					
Tota	of SCI(SSCI) list papers :	14					
Curre	ent projects :		Domestic :	1	International :	0		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name: Martinov I			Martinov L. N	L. Milan				
Acad	lemic title:				Full Professo	ull Professor		
Nam	e of the inst	titution w	where the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad	
starting date: 1			10.12.1978					
Scientific or art field:			Biosystems E	Ingineering				
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title el	lection:	1999	Faculty of Technical Sci	ences - Novi S	Sad Biosystems Engineering		
Bach	elor's thesis	S	2000	Faculty of Mechanical E	ingineering - No	ovi Sad	Mechanical Engineering	
PhD	thesis		1988	Faculty of Technical Sci	ences - Novi S	ad	Biosystems Engineering	
Magi	ster thesis		1981	Faculty of Agriculture - 2	Zagreb		Biosystems Engineering	
List o	of courses b	eing hel	d by the tea	acher in the accredited st	udy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
1.	M2407	Biosys	tem Machir	nes 2		(M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies	
						(H00) Med	chatronics, Undergraduate Academic Studies	
2.	M304	Biosys	tem Machir	nes 1		(M20)Mee Undergrad	chanization and Construction Engineering, uate Academic Studies	
						(M40) Teo Undergrad	hnical Mechanics and Technical Design, uate Academic Studies	
3.	URZP54	Device	s in the Pro	ocess Industry		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
4.	Z475A	Enviro	nmental en	gineering in biosystems		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
						(ZC0) Clea	an Energy Technologies, Undergraduate	
5.	Z476	Energy	and renev	vable energy sources in ru	ural areas	Academic Studies		
		Energy and renewable energy boulded in fait			(220) Environmental Engineering, Undergraduate Academic Studies			
						1		
6.	ZRI421	Occup	ational Safe	ety in Agriculture and Fore	estry	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
6. 7.	ZRI421 Z475	Occup Inženje naziv r	ational Safe erstvo zašti na englesko	ety in Agriculture and Fore te životne sredine u biosis om)	estry stema(uneti	(Z01) Safe (Z20) Envir Studies	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic	
6. 7. 8.	ZRI421 Z475 Z476	Occup Inženje naziv r Energi oblasti	ational Safe erstvo zaštii na englesko ja i obnovlji ma(uneti na	ety in Agriculture and Fore te životne sredine u biosis om) vi izvori energije u ruralni aziv na engleskom)	estry stema(uneti m	(Z01) Safe (Z20) Envir Studies (Z20) Envir Studies	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic ronmental Engineering, Undergraduate Academic	
6. 7. 8.	ZRI421 Z475 Z476	Occup Inženje naziv r Energi oblasti	ational Safe erstvo zaštii na englesko ja i obnovlji ma(uneti na	ety in Agriculture and Fore te životne sredine u biosis m) vi izvori energije u ruralni aziv na engleskom)	estry stema(uneti m	(Z01) Safe (Z20) Envir Studies (Z20) Envir Studies (H00) Med	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic ronmental Engineering, Undergraduate Academic chatronics, Master Academic Studies	
6. 7. 8. 9.	ZRI421 Z475 Z476 H2405	Occup Inženje naziv r Energi oblasti IT in B	ational Safe erstvo zaštii na englesko ja i obnovlji ma(uneti na iosystems	ety in Agriculture and Fore te životne sredine u biosis m) vi izvori energije u ruralni aziv na engleskom)	estry stema(uneti m	(Z01) Safe (Z20) Envii Studies (Z20) Envii Studies (H00) Mec (M22) Mec Academic	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic ronmental Engineering, Undergraduate Academic chatronics, Master Academic Studies chanization and Construction Engineering, Master Studies	
6. 7. 8. 9. 10.	ZRI421 Z475 Z476 H2405 M2651	Occup Inženje naziv r Energi oblasti IT in B	ational Safe erstvo zaštii na englesko ja i obnovlji ma(uneti na iosystems	ety in Agriculture and Fore te životne sredine u biosis m) vi izvori energije u ruralni aziv na engleskom)	estry stema(uneti m	(Z01) Safe (Z20) Envii Studies (Z20) Envii Studies (H00) Med (M22) Med Academic (M22) Med Academic	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic ronmental Engineering, Undergraduate Academic chatronics, Master Academic Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies	
6. 7. 8. 9. 10.	ZRI421 Z475 Z476 H2405 M2651 M2652	Occup Inženje naziv r Energi oblasti IT in B Tractol Agricul	ational Safe erstvo zaštii na englesko ja i obnovlji ma(uneti na iosystems rs Itural machi	ety in Agriculture and Fore te životne sredine u biosis m) vi izvori energije u ruralni aziv na engleskom)	estry stema(uneti m y sources	(Z01) Safe (Z20) Envir Studies (Z20) Envir Studies (H00) Mec (M22) Mec Academic (M22) Mec Academic (M22) Mec Academic	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic ronmental Engineering, Undergraduate Academic chatronics, Master Academic Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies	
6. 7. 8. 9. 10. 11.	ZRI421 Z475 Z476 H2405 M2651 M2652 Z477	Occup Inženje naziv r Energi oblasti IT in B Tractor Agricul Sustai	ational Safe erstvo zaštii na englesko ja i obnovlji ma(uneti na iosystems rs Itural machi nable Agric	ety in Agriculture and Fore te životne sredine u biosis om) vi izvori energije u ruralni aziv na engleskom) inery for renewable energ ulture Engineering	estry stema(uneti m y sources	(Z01) Safe (Z20) Envi Studies (Z20) Envi Studies (H00) Mec (M22) Mec Academic (M22) Mec Academic (M22) Mec Academic (Z20) Envi	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic ronmental Engineering, Undergraduate Academic chatronics, Master Academic Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies	
6. 7. 8. 9. 10. 11. 12. 13.	ZRI421 Z475 Z476 H2405 M2651 M2652 Z477 Z478A	Occup Inženje naziv r Energi oblasti IT in B Tractol Agricul Sustain Inform	ational Safe erstvo zaštii na englesko ja i obnovlji ma(uneti na iosystems rs Itural machi nable Agric ation techn	ety in Agriculture and Fore te životne sredine u biosis m) vi izvori energije u ruralni aziv na engleskom) inery for renewable energ ulture Engineering ology support sustainable	estry stema(uneti m y sources biosystems	(Z01) Safe (Z20) Envi Studies (Z20) Envi Studies (H00) Mec (M22) Mec Academic (M22) Mec Academic (M22) Mec Academic (Z20) Envi (Z20) Envi	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic ronmental Engineering, Undergraduate Academic chatronics, Master Academic Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies	
6. 7. 8. 9. 10. 11. 12. 13. 14.	ZRI421 Z475 Z476 H2405 M2651 M2652 Z477 Z478A Z477	Occup Inženje naziv r Energi oblasti IT in B Tractor Agricul Sustain Informa Inženje engles	ational Safe erstvo zaštii na englesko ja i obnovlji ma(uneti na iosystems rs Itural machi nable Agric ation techn. erstvo održi kom)	ety in Agriculture and Fore te životne sredine u biosis om) vi izvori energije u ruralni aziv na engleskom) inery for renewable energ ulture Engineering ology support sustainable ve poljoprivrede(uneti naz	estry stema(uneti m y sources biosystems ziv na	(Z01) Safe (Z20) Envi Studies (Z20) Envi Studies (H00) Mec (M22) Mec Academic (M22) Mec Academic (M22) Mec Academic (Z20) Envi (Z20) Envi (Z20) Envi	ety at Work, Undergraduate Academic Studies ronmental Engineering, Undergraduate Academic ronmental Engineering, Undergraduate Academic chatronics, Master Academic Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies chanization and Construction Engineering, Master Studies commental Engineering, Master Academic Studies ronmental Engineering, Master Academic Studies	
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FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6

Study Programme Accreditation

UNDER

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-	ANTE	Clean Energy Te	
List o	of courses b	eing held by the teacher in the accredited study programme	S
	ID	Course name	Study programme name, stu

	U	Course name Study programme name, study type							
23.	DOM24	Procedure and Machines for Sustain	able Agriculture	(M00) Mechanical Engineering, Doctoral Academic Studies					
24.	HDOK11	Advanced Application of ICT in Agriculture (H00) Mechatronics, Doctoral Academic Studies				dies			
25.	HDOL11	1 Advanced application of ICT in agriculture (H00) Mechatronics, Doctoral Academic S				dies			
26.	ZSP14	4 Contemporary Approaches to Sustainable Engineering Biosystems (Z00) Environmental Engineering, Doctoral Academic Studies							
27.	ZSP16	Engineering of Renewable Energy ir	n Agriculture	 (OM1) Mathematics in Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies 					
28.	ZRD235	Systemic regulation in the field of oc and health	cupational safety	y (Z01) Safety at Work, Doctoral Academic Studies					
Rep	Representative refferences (minimum 5, not more than 10)								
1.	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								
2.	Đatkov Đ., Effenberger M., Lehner A., Martinov M., Tešić M., Gronauer A.: New method for assessing the performance of agricultural biogas plants, Renewable energy, 2012, Vol. 40, No 1, pp. 104-112								
3.	Gavrić M., Martinov M., Bojić S., Đatkov Đ., Pavlović M.: Short- and long-term dynamic accuracies determination of satellite- based positioning devices using a specially designed testing facility, Computer and Electronics in Agriculture, Elsevier, Amsterdam, the Netherlands, 2011, Vol. 76, No 2, pp. 297-305								
4.	Scarlat N., Martinov M., Dallemand J.: Assessment of the availability of agricultural crop residues in the European Union: Potential and limitations for bioenergy use, Waste Management, 2010, Vol. 30, No 10, pp. 1889-1897, ISSN 0956-053X								
5.	Kratzeisen M., Starcevic N., Martinov M., Maurer C., Mueller J.: Applicability of biogas digestate as solid fuel, Fuel, 2010, Vol. 89, No 9, pp. 2544-2548								
6.	Martinov M, Mujic I, Müller J. 2007. Impact of drying air temperature on course of drying and quality of Hypericum perforatum L. Zeitschrift für Arznei- und Gewürzpflanzen, 12(3): 124-128.								
7.	Martinov M., Veselinov B., Bojić S., Đatkov Đ.: Investigation of maize cobs crushing – preparation for use as a fuel, Thermal Science - International Scientific Journal, 2011, Vol. 15, No 1, pp. 235-243, ISSN 0354-9836, UDK: 621								
8.	Jokić, S., Mujić, I., Martinov, M., Velić, D., Bilić, M. and J. Lukinac. 2009. Influence of drying procedure on colour and rehydration characteristic of wild asparagus Czech Journal of Food Sciences 27(3): 171-177.								
9.	Oztekin, S, Martinov, M. 2007. Medicinal and Aromatic Crops, Harvesting, Drying and Processing, Haworth Food and Agricultural Products Press, New York.								
10.	Martinov, M., Tesic, M. and M. Ilic. 2006. Latest developments on RES policy, implementation and planning in Serbia. Workshop: "Data Gathering on Renewable Energies for New Member States and Candidate Countries" organized by European Commission, Joint Research Center, Cavtat-Dubrovnik, 15-16 November 2006, Book of procc. 279-287.								
Sun	Summary data for teacher's scientific or art and professional activity:								
Quotation total :			20	20					
I otal of SCI(SSCI) list papers :			10 Domostia :	4	International :				
			Domestic.	4		1			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:						Mihajlov N. Anđelka			
Academic title:						Full Professor			
Name of the institution where the teacher works full time and starting date:					ime and	-			
Scientific or art field:						Environment Protection Engineering			
Acad	emic cariee	er	Year	Institution		Field			
Acad	emic title el	ection:	2006	Faculty of Techr	nical Sci	ences - Novi Sad Environment Protection Engineering		Environment Protection Engineering	
PhD	thesis		1984	Faculty of Techr	nology a	nd Metallurgy - Beograd Technological Engineering		Technological Engineering	
Magister thesis 1977 Faculty of Technology a			nd Metallurgy -	Metallurgy - Beograd Technological Engineering					
Bachelor's thesis 1974 Faculty of Technology a				nology a	nd Metallurgy -	Metallurgy - Beograd Technological Engineering			
List c	of courses b	eing he	ld by the tea	acher in the accre	dited stu	udy programme	s		
	ID	Course name				Study programme name, study type			
1.	E0S42	Renewable sources and environmental pro			tection	(E01) Pow Energy, Ur	201) Power Engineering - Renewble Sources of Electrical nergy, Undergraduate Professional Studies		
2.	Z105	Energy and Environment					(Z20) Environmental Engineering, Undergraduate Academic Studies		
3.	Z105A	Energy	and the er	nvironment			(Z01) Safe	ety at Work, Undergraduate Academic Studies	
							(Z01) Safety at Work, Undergraduate Academic Studies		
4.	Z204A	Monitoring of the Living Environment				(ZC0) Cle Academic	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(Z20) Environmental Engineering, Undergraduate Academic Studies			
	Z205	Sustainable Use of Natural Resources and Environmental Protection System				(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
5.						(Z01) Safety at Work, Undergraduate Academic Studies			
						(Z20) Environmental Engineering, Undergraduate Academic Studies			
							(Z01) Safe	ety at Work, Undergraduate Academic Studies	
6.	Z309A	Solid Waste Management				(Z20) Environmental Engineering, Undergraduate Academic Studies			
7.	Z401A	Design and Planning in Environmental Prot			ection	(Z20) Envi Studies) Environmental Engineering, Undergraduate Academic ies		
8.	Z401B	Design and Planning in Environmental Eng			ineering	(ZC0) Cle Academic	2C0) Clean Energy Technologies, Undergraduate cademic Studies		
9.	Z409A	Hazardous Waste Management and Recyc Technologies			ling	(Z20) Envi Studies	20) Environmental Engineering, Undergraduate Academic udies		
10.	Z309A	Upravljanje čvrstim otpadom(uneti naziv na			engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies			
11.	M3202	Identification and reduction of pollution from			n industry	(M30) Energy and Process Engineering, Undergraduate Academic Studies			
12.	MPK012	Solid waste management			(MPK) Inž naziv na el	PK) Inženjerstvo tretmana i zaštite voda - TEMPUS(unel iv na engledskom), Master Academic Studies			
13.	SZD052	Resource-Efficient and Low-Carbon Develo		opment	(Z00) Env Studies	ironmental Engineering, Specialised Academic			
14.	ZD052	Efficient Use of Natural Resources and Low Development			v-Carbon	(Z00) Environmental Engineering, Doctoral Academic Studies			
Representative refferences (minimum 5, not more than 10)									
1.	Odrzivi razvoj i zivotna sredina ka Evropi u 95+ koraka, monografija (pomocni udzbenicki materijal), PKS/Ambasadori zivotne sredine, na srpskom (2005), Canada Fund na engleskom (2006)								
2.	Mihajlov A., Opportunities and challanges for sustainable energy policy in SE European Energy Community Treaty, Renewable and Sustainable Energy Reviews, 14 (2010), pp. 872-875								
3.	B.Djordjevic, A.Mihajlov, D.Grozdanic, A.Tasic, A.Horvath, Applicability of Redlich-Kwong equation of state and its modifications to polar gases, Chem. Eng.Science, 32, 1103-1107 (1977)								
4.	4. B.Djordjevic, A.Mihajlov, A.Tasic, Calculation of heat capacities of gaseous carbonmonoxide by modified RK equation of state, Chem.Eng.Science, 35, 752-753 (1980)								

SITAS STUD UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES **Clean Energy Technologies** Representative refferences (minimum 5, not more than 10) B.Djordjevic, A.Mihajlov, A.Tasic, Correlation of Second virial coefficients of polar gases by RK equation of state, AIChE Journal 5 (American Institute of Chemical Engineers Journal), 26(5), 858-862 (1980) R.Paunovic, S.Jovanovic, A.Mihajlov, Rapid computation of binary interaction coefficients of an equation of state for vapor-liquid 6 equilibrium calculations. Application to the RK-Soave Equation of state, Fluid Phase Equilibria, 6, 141-148 (1981) A.Mihajlov: A Treaty for a Southeast European Energy Community , p.73-78, u: Stephen Stec, Besnik Baraj, Edited: Energy and Environmental Challenges to Security, Springer, 2008, ISBN ISBN-10: 1402094523 7 D.Prokic, A.Mihajlov, "Contaminated sites: solid waste management practice in developing country (Serbia)", Environment 8 Protection Engineering, 2012, Vol. 38, No.1, pp 81-90 Lj.Fišang, M.Đurić, R.Marinković-Nedučin, J.Ranogajec, A.Mihajlov, An optimization of fly ash quantity in cement binding, Cement 9 and Concrete Research, 25(7), 1430-1490 Mihajlov, Andjelka (2012) Needs for Tailored Knowledge and Skill-Based Education for Sustainable Development: Balkan Environment Life Leadership Standards Courses. In Leal Filho, W. (Ed) Sustainable Development at Universities: New Horizons. 10. Peter Lang Scientific Publishers, Frankfurt am Main, Berlin, Bern, Brussels, New York, Oxford, Vienna 994 pp, ISBN 978-3-631-62560-6 Summary data for teacher's scientific or art and professional activity: Quotation total 43 Total of SCI(SSCI) list papers : 28 Domestic : 1 International : 2 Current projects



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Milojević D. Zoran			
Academic title:					Assistant Professor			
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starting date:					27.10.1997			
Scientific or art field:					Machine Elements, Construction Principles, Machine and Mechanizm			
Acad	emic cariee	er	Year	Institution			Field	
Academic title election:			2008	University of Novi Sad -	Novi Sad		Machine Elements, Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication	
PhD thesis			2008	University of Novi Sad - Novi Sad			Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication	
Magister thesis			2002	Faculty of Technical Sciences - Novi Sad			Machine Tools, Flexible Technological Systems and Automatization Processes Design	
Bach	elor's thesis	S	1995	Faculty of Technical Sciences - Novi Sad			Automatic Control and System Engineering	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	s		
	ID Course name		Study pro		Study pro	ogramme name, study type		
1.	EOS03	Fundamentals in Mechanical Engineering(Machine elements and Materials)			lachine	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies		
2.	F202	Fundamentals in Mechanical Engineering				(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
						(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies		
3	M109	Engineering Graphic Communications				(M30) Energy and Process Engineering, Undergraduate Academic Studies		
0.	MITCO					(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Production Engineering, Undergraduate Academic Studies		
4.	M2610	Graphic Communications and CAD				(H00) Mechatronics, Undergraduate Academic Studies		
5.	5. S012 Descriptive Geometry and Engineering Drawing		Descriptive Geometry and Engineering Drawing			(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
				(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
6.	IA013	Interactive Engineering Graphics				(F10) Engineering Animation, Undergraduate Academic Studies		
7.	ZC007	' Engineering Graphic Communications				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
8.	M2511	Methodology of Design				(M22) Mechanization and Construction Engineering, Master Academic Studies		
9.	AID04 Haptic devices usage in the virtual environment (F20) Engineering Animation, Doctoral Academic Stud						ineering Animation, Doctoral Academic Studies	
Representative refferences (minimum 5, not more than 10)								
1.	1. Gligorić, R., Milojević, Z.:" TEHNIČKO CRTANJE ", Edicija univerzitetski udžbenik, br 166, ISBN 86-499-0131-5., Univerzitet u Novom Sadu, 2004. god. (356 strana)							
2.	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, Timisoara, Romania, pp: 48-54, 2007. ISSN: 1583-7904.							
3.	Milojević, Z., Navalušić, S., Zeljković, M.: " DEVELOPMENT OF THE MODULE FOR REAL'TIME VERIFICATION OF NC MACHINING PROGRAM", Journal Manufacturing Engineering Manufacturing Accuracy Increasing problems, Wroclaw, 2007.							
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.	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							


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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.	Milankov M., Savić D., Milojević Z.: Geometric considerations regarding the surface of the tibial insertion of the ACL graft, Knee Surg Sports Traumatol Arthrosc, 2012, Vol. 20, No 9, pp. 1887-1888, ISSN 0942-2056					
10.	Obradović R., Petter O., Vidaković M., Popkonstantinović B., Popović B., Milojević Z.: Using Contemporary 3D Web Technologies in the Process of CAD Model Design (prihvaćen za objavljivanje u 2013), Technics Technologies Education Management, 2013, Vol. 8, No 1, 2/3, ISSN 1840-1503					
Su	Summary data for teacher's scientific or art and professional activity:					
Quot	tation total :	0				
Tota	l 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

Clean Energy Technologies

Name and last name:			Mirović Đ. Ivana					
Academic title:			Lecturer					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:			01.04.1990					
Scier	ntific or art f	ield:	Maar	la alte d'au	English			
Acad	iemic caries	er e etiener	Year	Institution	energe Neud Ci	- d		
Acad	emic title el	ection:	2010	Faculty of Technical Sci	ences - Novi Sa	ad	English	
List		oing ho	1904	Faculty of Philosophy - I	NOVI Sau		English	
LISU		eing ne				:5		
	ID	Course	e name			Study pro	ogramme name, study type	
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arch	hitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Arch	hitecture, Undergraduate Academic Studies	
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Arch	hitecture, Undergraduate Academic Studies	
						(G00) Civi	il Engineering, Undergraduate Academic Studies	
						(M20) Mee Undergrad	chanization and Construction Engineering, luate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	EJ01L	EJ01L English Language – Elementary				(M40) Teo Undergrad	chnical 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		
						(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
						 (F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies 		
6.	EJ01Z	Englis	h Language	e - Elementary		(Z01) Safety at Work, Undergraduate Academic Studie		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies	
					(Z20) Environmental Engineering, Undergraduate Acade Studies			
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(M20) Mee Undergrad	chanization and Construction Engineering, luate Academic Studies	
7.	EJ02L	Englisl	h Language	e – Pre-Intermediate		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
		-				(Z01) Safe	ety at Work, Undergraduate Academic Studies	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
						(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies	
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	

STAS STUDIORUM

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

	ID	Course name	Study programme name, study type
			(I10) Industrial Engineering, Undergraduate Academic Studies
0		Fasiliah Languaga - Dao Interna diata	(I20) Engineering Management, Undergraduate Academic Studies
δ.	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
	EJ04L	_ English Language – Upper Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
10.			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
		Z English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
11.	EJ1Z		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies



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



Clean Energy Technologies

UNDERGRADUATE ACADEMIC STUDIES

LISU		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			
			(ES0) Power Software Engineering, Undergraduate			
			(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			
		M English Language – ESP Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies			
23	F.IM		(M30) Energy and Process Engineering, Undergraduate Academic Studies			
20.	Loin		(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			



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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

	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 Chasifia Durnassa	(I10) Industrial Engineering, Undergraduate Academic Studies		
34.	EJIIN	English for Specific Purposes	(I20) 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 Studies		
36.	EJ1Z	English Language - Elementary	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
			(AH0) Architecture, Master Academic Studies		
			(E20) Computing and Control Engineering, Undergraduate Academic Studies		
			(ES0) Power Software Engineering, Undergraduate Academic Studies		
	EJ2Z	English Language – Intermediate	(F10) Engineering Animation, Undergraduate Academic Studies		
37.			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies		
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
			(AH0) Architecture, Master Academic Studies		
38.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies		
39.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
40.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies		
41.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies		
Rep	oresentative	refferences (minimum 5, not more than 10)			
1.	Prevod m	nonografije: Nenad Teofanov: Ultramodulation Spaces and F	Pseudodifferential Operators, Zadužbina Andrejević		
2.	Prevod publikacije o Fakultetu tehničkih nauka, Faculty of Technical Sciences, 2004				
3.	Vesna Bo	ogdanović i Ivana Mirović: Engleski jezik 1 za grafičko inžen	jerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2007		
4.	Ivana Mir	ović i Vesna Bogranović: Engleski jezik 2 za grafičko inženj	erstvo i dizajn, FTN izdavaštvo, Novi Sad, 2011		
5.	I. Mirović Jezik stru	, V. Bogdanović, B. Ličen: Istorijat nastave stručnog englesł ike, teorija i praksa, Beograd, 2008	kog jezika na FTN u Novom Sadu. međunarodna konferencija		
6.	V. Bogda konferen	nović, I. Mirović, B. Ličen: Kreiranje udžbenika za engleski j cija Jezik struke, teorija i praksa, Beograd, 2008	jezik za studente različitog predznanja, međunarodna		
7.	I. Mirović Specific I	, B. Ličen, V. Bogdanović: Summarization skills of engineeri Purposes, Challenges and Prospects, Belgrade, 2011	ing students reading in a second language, Language for		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Re	Representative refferences (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, Celie, Slovenia, 2012					
Su	Summary data for teacher's scientific or art and professional activity:					
Quot	tation total :	0				
Tota	l 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

Clean Energy Technologies

Name and last name:			Mitrović Lj. Zoran					
Academic title:			Associate Professor					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:			20.04.1994					
Scier	ntific or art f	ield:			Electrical Mea	asurements		
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Electrical Measurements	
PhD	thesis		2004	Faculty of Technical Sci	ences - Novi Sa	ad	Electrical Measurements	
Magi	ster thesis		1992	School of Electrical Engi	neering - Beog	rad	Electrical and Computer Engineering	
Bach	elor's thesis	S	1984	School of Electrical Engi	neering - Beog	rad	Electronics	
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.	E142	Measu	ıring Instrun	nents		(MR0) Me Undergrad (E10) Pow Engineerin	asurement and Control Engineering, uate Academic Studies er, Electronic and Telecommunication g, Undergraduate Academic Studies	
2.	El411	Measu	irements in	robotics		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
3.	EIDMS1	Microp acquis	processor ba	ased measurement and da	ata	(MR0) Me Undergrad (E10) Pow	asurement and Control Engineering, uate Academic Studies er, Electronic and Telecommunication	
4.	EIDMS2	Microprocessor based measurement and d acquisition systems 2			ata	Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication		
5.	EIPDMS	Programming of Measurement and Data Ac Systems			quisition	(E10) Pow	er, Electronic and Telecommunication	
6.	EIPMS1	Design and development of industrial devic measurement systems 1			es and	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
7.	EIPMS2	Design and development of industrial device measurement systems 2			es and	(MR0) Me Undergrad (E10) Pow Engineerin	asurement and Control Engineering, uate Academic Studies er, Electronic and Telecommunication g, Undergraduate Academic Studies	
8.	EIPR1	Laboratory practicum			(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
9.	EISMP	Sensors and transducers			(MR0) Me Undergrad (E10) Pow	asurement and Control Engineering, uate Academic Studies er, Electronic and Telecommunication		
10.	EIWDS	Web-b	Web-based Measurement and Data Acquisi		ition Systems	Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
11.	EZ302	Measu	irement sys	tems in clean power source	ces	(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
12.	MR0UL R	Introdu	uction to lab	oratory practice		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
13.	DE504S	Conter	mporary Me	asuring Systems Design		(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies	
14.	E1SO01	Moder	n technolog	ies in electrical engineerir	ng	(E00) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Professional Studies	
15.	EIDNU	Super Desigr	visory Contr	ol and Data Acquisition S	ystems	(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	List of courses being held by the teacher in the accredited study programmes					
	ID	Course name		Study program	me name, study type	
16	EIMIO	Measurement systems in industrial	anvironment	(MR0) Measure Academic Studie	ment and Control Engineeri	ng, Master
10.			environment	(E10) Power, Ele Engineering, Ma	ectronic and Telecommunica ster Academic Studies	ation
17		Deel Time Macouromente		(MR0) Measure Academic Studie	ment and Control Engineeri	ng, Master
17.	EIWRVI	Real Time Measurements		(E10) Power, Ele Engineering, Ma	ectronic and Telecommunica ster Academic Studies	ation
18.	DE504	Contemporary Measuring Systems	Design	(E10) Power, El Engineering, Do	ectronic and Telecommunic ctoral Academic Studies	ation
Rep	oresentative	e refferences (minimum 5, not more th	an 10)			
1.	Antić B., Mitrović Z., Vujičić V.: Method for Harmonic Measurement of Real Power Grid Signals with Frequency Drift using I. Instruments with InternallyGenerated Reference Frequency, Measurement Science Review, 2012, Vol. 12, No 6, pp. 277-285, ISSN 1335-8871					
2.	2. Zoran Mitrović: "A Phase Angle Standard", Measurement Science and Technology No. 15. Institute of Physics , January 2004, 559-564.					
3.	Mitrović Z., Milovančev S., Župunski I.: A Precision Power Amplifier for Calibration Systems, Measurement Science and Technology, 2009, Vol. 20, No 6, pp. 1-3					
4.	Santrač B., Sokola M., Mitrović Z., Župunski I., Vujičić V.: A Novel Method for Stochastic Measurement of Harmonics at Low Signal-to-Noise Ratio, IEEE Transactions on Instrumentation and Measurement, 2009, Vol. 58, No 10, pp. 3434-3441, ISSN 0018- 9456					
5.	Trkuljić N., Babić Z., Marković R., Peruničić G., Sarić M., Spasić Jokić V., Mitrović Z.: Implementation of the Modern PACS 5. System at the Institute of Oncology and Radiology of Serbia, Medical Data, 2011, No 1, pp. 69-72, ISSN 1821-1585, UDK: 616- 07:621.39(497.11)					
6.	Mitrović Z., Spasić Jokić V.: Introduction in Picture Archiving and Communication System (PACS) in Medicine: DICOM (Digital Imaging and Communications in Medicine), Medical Data, 2010, No 2, pp. 123-126, ISSN 1821-1585, UDK: 61:004					
7.	Zoran Mitrović, Ivan Župunski:"Stable Source of AC Voltage and Current", IMTC Conference, Como, Italy, 2004.					
8.	 Nagy K., Vujičić V., Mitrović Z., Takacs M.: Fuzzyfication and measurement using stochastic approach, 7. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 25-26 Septembar, 2009, pp. 47-49, ISBN 978-1-4244-1442-0 					
9.	9. Zoran Mitrović: "Prilog razvoju etalona faznog ugla", doktorska disertacija, Fakultet tehničkih nauka, Novi Sad, 1985.					
10.	 P. Miljanić Z. Mitrović, I. Župunski, V. Vujičić: "Ka novom etalonu naizmeničnog napona, struje, električne snage i energije i faktora snage - rezultati ispitivanja", Kongres metrologa 2003, Beograd, Plenarni rad po pozivu 					
Sur	nmary data	for teacher's scientific or art and prof	essional activity:			
Quot	ation total :		0			
Tota	of SCI(SS	CI) list papers :	4			
Curr	Current projects : Domestic : 3 International : 0					







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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Nakomčić-Smaragdakis B. Branka				
Academic title:			Assistant Professor				
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad				
starting date:			01.12.1992				
Scier	ntific or art f	ield:			Environment	Protection E	Ingineering
Acad	emic cariee	er	Year	Institution			Field
Acad	emic title el	ection:	2008	Faculty of Technical Sci	ences - Novi S	ad	Environment Protection Engineering
PhD	thesis		2008	Faculty of Technical Sci	ences - Novi S	ad	Thermal Technics
Magi	ster thesis		2002	University of Novi Sad -	Novi Sad		Environment Protection Engineering
Bach	elor's thesis	S	1992	Faculty of Technical Sci	ences - Novi S	ad	Termodynamics and Heat Transfer
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S	
	ID	Course	e name			Study pro	gramme name, study type
1.	Z206	Alterna	ative Power	Engineering		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic
2.	Z206A	Alterna	ative Energy	/ Sources		(Z01) Safe	ety at Work, Undergraduate Academic Studies
3.	Z307	Modeli	ng and Sim	ulation in Environmental I	Engineering	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic
4.	Z307A	Modeli	ng and Sim	ulation in Environmental I	Engineering	(Z01) Safe	ety at Work, Undergraduate Academic Studies
5.	Z206	Alterna	ativna energ	getika(uneti naziv na engle	eskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic
6.	Z307	Model engles	ovanje i sim kom)	ulacija u IZŽS(uneti naziv	na	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic
7.	Z401A	Projek naziv r	tovanje i pla na englesko	aniranje u zaštiti životne si m)	redine(uneti	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic
8.	ZC023	Modeling and Simulation in Energy Systems			s	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies	
9.	Z477	Sustainable Agriculture Engineering				(Z20) Envi	ronmental Engineering, Master Academic Studies
10.	Z509	Energy, Economic and Ecological Aspects of TP			of TP Plants	(Z20) Envi	ronmental Engineering, Master Academic Studies
11.	ZR501	Hazardous Materials and Hazardous Waste			;	(Z01) Safe	ety at Work, Master Academic Studies
12.	Z508	Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom)		tne	(Z20) Envi	ronmental Engineering, Master Academic Studies	
13.	Z509	aspekt	strojenja sa a(uneti naz	energetskog, ekonomsko iv na engleskom)	g i ekoloskog	(Z20) Envi	ronmental Engineering, Master Academic Studies
14.	MPK015	Tehnologije obnovljivih izvora energije(uneti naziv engleskom)			i naziv na	(MPK) lnž naziv na ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies
		Intogra	tod opprog	oh using renowable and a	onventional	(M50) Ene	ergy Management, Master Academic Studies
15.	SZD040	energy	sources		onventional	(Z00) Env Studies	ironmental Engineering, Specialised Academic
16.	ZD040	An Inte Renew	egrated App able Energ	proach to the Use of Conv y Sources Applied to Pow	entional and /er Systems	(Z00) Env Studies	ironmental Engineering, Doctoral Academic
Rep	presentative	reffere	nces (minin	num 5, not more than 10)			
1.	1. Bašić Đ., Nakomčić B., Energy Sources and Environment, in Monography: Contemporary Problems in Power Engineering, edited						
2.	 Nakomčić B., Bašić Đ., Ciupinski L., Manaj W., Kurzydlowski K.J.: Non-destructive Testing Applied for Risk Reduction in Petrochemical Installations, ECOS 2006 Conference-19th Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Crete, Greece, Vol.2, pp. 767-774, July 2006 						
3.	Nakomčio Vojvodina 25th-27th	ć B., Štri a, The J i May, 2	bac D., Pet oint Worksh 006	rović J., Bašić Đ., Geother nop of Geothermal and Bio	rmal Energy So omass Energy	ources in Se Sources for	rbia and Utilization of Hydrothermal Energy in Countries Along the Danube, Novi Sad, Serbia,
4.	 Nakomčić B., Bašić D., Kurzydlowski K.J., Ciupinski L., Risk Reduction Based on NDT of Installation Designed for Long Service, PSU-UNS International Conference on Engineering and Environment-ICEE 2005, Novi Sad, Serbia and Montenegro, May 2005, Paper T1-2.1 (Conbference CD), 4p 						
5.	M.Vojinović- Miloradov, Đ. Bašić, G. Vujić, Nakomčić B., Environmental Engineering Curricula on the University Level and in Faculty of Technical Sciences, Symposium of Donauhoccchschule Ulm, Cooperation with Universities along the Danube in the field of sustainable energy systems (RES), Ulm University of Applied Sciences, Ulm, Germany, 27.1101.12. 2005, (Symposium CD and Proceedings). 10p						
6.	Nakomčio Poland, N	ć B., RIN Nov. 200	MAP Metho 94, Worksho	dology, Workshop of Risk op Proceedings & CD, pp.	Analysis in Pro 76-101.	ocess Indus	try, Warsaw University of Technology, Warsaw,

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



Study Programme A	Accreditation
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UNDERGRADUATE ACADEMIC STUDIES

SITAS STUD

Rep	Representative refferences (minimum 5, not more than 10)							
7.	Nakomčić B., Biomass: Combustion and gasification-technologies and application, Warsaw University of Technology, Warsaw, Poland, Oct. 2004, RES Workshop Proceedings & CD, p11							
8.	Nakomčić B., Global and Alternative Energy, Warsaw University of Technology, Warsaw, Poland, Oct. 2004., RES Workshop Proceedings & CD, p25							
9.	Nakomčić B., The current situation of the application of RIMAP methodologies in SCG, RIMAP NAS Meeting, Miskolc, Hungary, April, 2004., RIMAP web site, pp. 27-35							
10.	Nakomčić B., Bašić Đ., Kurzydlowski K.J., Kije Candidate Countries (CC's) Attending the EU, Songkhla, Thailand, (2003), Paper N0 901, (Co	nska I., Plocinski T., R PSU-UNS Internationa onference CD)	isk Assessment a al Conference 200	nd Environmental Impact: E)3 " Energy and the Environr	xperience of ment", Hat Yai,			
Sur	nmary data for teacher's scientific or art and profe	essional activity:						
Quot	Quotation total :							
Tota	Total of SCI(SSCI) list papers :							
Curre	Current projects : Domestic : International :							



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

A REAL PROPERTY AND A REAL

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Navalušić V. Slobodan				
Acad	emic title:				Full Professor				
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad		
Starti	ng date:	iald.			01.12.1975	ante Const	wetter Drinsiples, Mashing and Mashanima		
Scier		ieia:	Voor	Institution	Machine Eler	nents,Const	Field		
Acad	emic cariee	er	rear	Institution			Field		
Acad	emic title el	lection:	2006	Faculty of Technical Scie	ences - Novi S	ad	Machine Elements, Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication		
PhD	thesis		1996	Faculty of Technical Scie	ences - Novi S	ad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication		
Magi	ster thesis		1986	Faculty of Technical Scie	ences - Novi S	ad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication		
Bach	elor's thesis	S	1975	Faculty of Technical Scie	ences - Novi S	ad	Thermal Energetics and Thermotechnics		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	gramme name, study type		
1.	A555	Perspe	ective			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic		
2.	EOS03	Funda elemei	mentals in I nts and Mat	Mechanical Engineering(M erials)	lachine	(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
3.	F202	Funda	mentals in I	Mechanical Engineering		(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies		
4.	GG03	Descriptive Geometry				(G00) Civi	I Engineering, Undergraduate Academic Studies		
5.	GI104	Descriptive Geometry in Geomatics				(GI0) Geo Studies	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
6.	6. M108 Engineering Graphic Communications				(M20) Mee Undergrad (M30) Ene Academic (M40) Teo Undergrad (P00) Proo Studies	chanization and Construction Engineering, uate Academic Studies ergy and Process Engineering, Undergraduate Studies chnical Mechanics and Technical Design, uate Academic Studies duction Engineering, Undergraduate Academic			
7.	M2610	Graph	ic Commun	ications and CAD		(H00) Mechatronics, Undergraduate Academic Studies			
0	<u> </u>	Dogori	ntivo Coom	ota, and Engineering Dray	wing	(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies		
0.	3012	Descri	plive Geom	etry and Engineering Dia	wing	(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies		
9.	IA013	Interac	ctive Engine	ering Graphics		(F10) Eng Studies	ineering Animation, Undergraduate Academic		
10.	ASO5	Descri	ptive Geom	etry with Perspective 1		(AS0) Sce Undergrad	nic Architecture, Technique and Design, uate Academic Studies		
11.	ASO9	Descri	ptive Geom	etry with Perspective 2		(AS0) Sce Undergrad	nic Architecture, Technique and Design, uate Academic Studies		
12.	ZC007	Engine	eering Grap	hic Communications		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
13.	M2511	Metho	dology of D	esign		(M22) Meo Academic	chanization and Construction Engineering, Master Studies		
14.	M2655	Mainte	enance of A	gricultural Machinery		(M22) Mee Academic	chanization and Construction Engineering, Master Studies		
15.	AD0013	Theory	of curves a	and surfaces		(AD0) Dig Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies		
16.	DM213	Conter Constr	mporary Me ructing	thods of Designing and M	lachine	(M00) Me	chanical Engineering, Doctoral Academic Studies		
17.	DM409	Select	ed Chapter	in Power and Motion Trar	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		



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

Study Programme Accreditation

Rep	Representative refferences (minimum 5, not more than 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.: " DEVELOPMENT OF THE MODULE FOR REAL'TIME VERIFICATION OF NC MACHINING PROGRAM", Journal Manufacturing Engineering Manufacturing Accuracy Increasing problems, Wroclaw, 2007								
3.	Milojević, Z., Navalušić, S., Zeljković, M.: " AN VERIFICATION", Journal Manufacturing Engir	EXACT APPROACH T neering Vol.3, No.5, Ko	FO 3-AXIS MILLI psicah, 2006., pp.	NG NC SIMULATION AND					
4.	Milojević, Z., Navalušić, S., Zeljković, M:" DEV PROGRAM ", Journal of Machine Engineering, 185	ELOPMENT OF THE Vol.5 No. 1-2, Intellige	MODULE FOR V ent Machines and	/ERIFICATION OF NC MAC d factories, Wroclaw, 2005. g	HINING Jod., pp. 177-				
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.	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., Obrado based on the X - ray , HealthMED, 2011, Vol. 5	ović R., Harhaji V., Des 5, No 4, pp. 894-900, I	snica E.: System SSN 1840-2991	for femoral tunnel position of	letermination				
8.	Desnica E., Letić D., Navalušić S.: Concept of education, Technics Technologies Education M	distance learning mod lanagement, 2010, Vo	lel in graphic com I. 5, No 2, pp. 37	nmunication teaching at univ 8-388, ISSN 1840-1503	ersity level				
9.	Milojević Z., Navalušić S., Milankov M., Obrado generation, HealthMED, 2011, Vol. 5, No 5, pp	ović R., Desnica E., Ha . 1211-1217, ISSN 184	arhaji V.: Method 40-2991	ology for 3D femur approxim	nate model				
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 								
Sun	nmary data for teacher's scientific or art and profe	essional activity:							
Quot	ation total :	0							
Total	of SCI(SSCI) list papers :	4							
Curre	ent projects :	Domestic :	0	International :	0				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Nikolić M. Aleksandar						
Acad	emic title:				Associate Professor				
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad						
starti	ng date:	? - I -I.			01.10.1990				
Scier	ntific or art f	ield:	Maar	1	Mathematics				
Acad	emic carie	er La atlana	Year	Institution	Nevi O				
Acao	emic title e	lection:	2008	Faculty of Technical Sci	ences - Novi Si	au	Mathematics		
Mogi	tor theorie		1997	Faculty of Mathematica	Record		Mathematics		
Rach	olor's those		1992	Faculty of Sciences No	- Deugrau		Mathematics		
List	of courses h	oing ho	Id by the ter	acher in the accredited stu	udv. programme	.e	Mathematics		
LISU						.5			
	ID	Course	e name			Study pro	gramme name, study type		
1.	H103	Mathe	matics 1			(H00) Med	chatronics, Undergraduate Academic Studies		
						(M20) Mea Undergrad	chanization and Construction Engineering, uate Academic Studies		
	144.00	N 4 - 41				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
2.	M102	Mathe	matics 1			(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies		
						(P00)Proo Studies	duction Engineering, Undergraduate Academic		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
3.	Z104	Mathematics 1				(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies			
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
						(ZC0) Clea	an Energy Technologies, Undergraduate Studies		
4.	Z106	Mathe	matics 2			(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
5.	Z104	Matem	natika 1(une	ti naziv na engleskom)		(Z20) Envir Studies	Z20) Environmental Engineering, Undergraduate Academic Studies		
6.	Z106	Matem	natika 2(une	ti naziv na engleskom)		(Z20) Envir 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	of science	and technology		(E02) Elect Profession	ctronics and Telecommunications, Undergraduate al Studies		
10.	IA001	Algebra				(F10) Eng Studies	ineering Animation, Undergraduate Academic		
11.	II1052	Mathe	matics 2			(I10) Indus Studies	strial Engineering, Undergraduate Academic		
						(I10) Indus Studies	strial Engineering, Undergraduate Academic		
12.	IM1002	Mathe	matics 1			(I20) Engi Studies	neering Management, Undergraduate Academic		
13.	IM1006	Mathe	matics 2			(I20) Engi Studies	neering Management, Undergraduate Academic		
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)			eskom)	(Z20) Envi	ronmental Engineering, Master Academic Studies		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Representative refference	ences (minimum	1 5. no	t more	than	10)
r toprocontativo ronor.		,		ci i cai i	,

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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 Novi	Sad, 2001, s. 12	4					
4.	Irena Čomić, Aleksandar Nikolić, Diferencijalne	e jednačine, FTN Novi	Sad, 1999, s. 12	2					
5.	Aleksandar Nikolić, Jovan Karamata, život kroz	z matematiku, Zadužb	ina Andrejević, 19	999, 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.	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 Karan 36, 4, 2009, 405-419.	nata"s Condition of Co	onvergence for Ab	oel Summable Series, Histori	a Mathematica,				
9.	Nikolić, A., Mathematical education in the Prov 109-124.	ince of Vojvodina with	in the Habsburg I	Monarchy, History of Mathen	natics, 41, 2010,				
10.	Aleksandar Nikolic, Mathematician Judita Cofman (1936–2001), Teaching Mathematics and Computer Science, Institute of 0. Mathematics, and Faculty of Informatics, University of Debrecen, Hungary. 2012 Vol. X. Issue I, s. 91-115. ISSN 1589 - 7389								
Su	Summary data for teacher's scientific or art and professional activity:								
Quot	tation total :	0							
Tota	l of SCI(SSCI) list papers :	1	-	-	-				
Curr	Current projects : Domestic : 2 International : 1								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name: Obradović					Obradović M.	M. Ratko		
Acad	lemic title:				Full Professor			
Nam	e of the inst	titution v	vhere the te	eacher works full time and	Faculty of Tee	Faculty of Technical Sciences - Novi Sad		
starti	ng date:				02.09.1993			
Scier	ntific or art f	ield:	i		Computer Gra	aphics		
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Computer Graphics	
PhD	thesis		2000	Faculty of Sciences - No	ovi Sad		Computer Graphics	
Magi	ster thesis		1997	Faculty of Sciences - No	ovi Sad		Computer Graphics	
Bach	elor's thesis	S	1993	Faculty of Technical Sci	ences - Novi Sa	ad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication	
List o	of courses b	eing he	ld by the te	acher in the accredited stu	udy programme	S		
	ID	Cours	e name			Study pro	gramme name, study type	
1.	IA020	Advan	ced Display	/ Technologies		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies	
2	M108	Engine	ering Gran	hic Communications		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
	in roo	Linging	soning orap			(M40) Tec Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
						(P00) Production Engineering, Undergraduate Academic Studies		
2	S012	Doscri	ntivo Coorr	otry and Engineering Dra	wing	(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies	
5.	5012	Desch			wing	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
4.	IA006	Spatia	I Shape De	sign		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
5.	IA009	3D Mo	odeling			(F10) Engineering Animation, Undergraduate Academic Studies		
6.	IA014	Advan	ced Engine	ering Animation		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
7.	IGA013	Chara	cter Animat	ion		(F10) Engineering Animation, Undergraduate Academic Studies		
8.	IGA055	Specia	al Visual Eff	ects		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
9.	IGB034	Video	in Engineer	ring Animation		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
10.	IGB340	Funda	mentals of	Engineering Animation		(F10) Eng Studies	ineering Animation, Undergraduate Academic	
11.	ZC007	Engine	eering Grap	hic Communications		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
12.	IA018	Comp	uter Geome	etry		(F20) Eng	ineering Animation, Master Academic Studies	
13.	AD0010	Advan Archite	ced Animat ecture	ion and Video Post Techn	iques in	(AD0) Dig Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies	
14	F2528	Comp	uter game o	levelopment		(E20) Con Academic	nputing and Control Engineering, Master Studies	
			game ((SE0) Sof Master Aca	tware Engineering and Information Technologies, ademic Studies	
15.	IA005	Histor	y of Animati	on		(F20) Eng	ineering Animation, Master Academic Studies	
16.	AIDO8	Advan	ced Interdis	sciplinary Scientific Visuali	zation	(F20) Eng	ineering Animation, Doctoral Academic Studies	
Rep	presentative	e reffere	nces (minin	num 5, not more than 10)				
1.	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

Re	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	Algorithm for Approxi ies Education Manage	mation Transition ement / TTEM, 20	al Developable Surfaces Be 012, Vol. 7, No 4, ISSN 184	etweeen two 0-1503			
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	stantinović B., Popovi n za objavljivanje u 20	ć B., Milojević Z.:)13), Technics Te	Using Contemporary 3D V chnologies Education Man	Veb Technologies agement, 2013,			
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 7. 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	kov M., Dragoi M., Bej demic Journal of Manu	u L.: System for ufacturing Engine	3D Approximate Model Ger ering – AJME, 2010, Vol. 8	neration of the , No 1, pp. 73-78,			
9.	Obradović R.: The Plane Section of the Surfac 2005, Vol. 3, No 2, pp. 235-242, ISSN 0354-46	ce of Revolution, Facta 605, UDK: 514.752.2:0	a universitatis - se 581.3.06(045)=20	ries: Architecture and Civil	Engineering,			
10.	10. Obradović R., Milojević Z.: Plane section of cone and cylinder in computer geometry, Facta universitatis - series: Architecture and Civil Engineering, 2005, Vol. 2, No 3, pp. 195-207, ISSN 0354–4605							
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	Current projects : Domestic : 0 International : 1							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Pantović B. Jovanka						
Acad	lemic title:				Full 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:	iald.			13.06.1993				
Scier	ntific or art f		Veer	Institution	Mathematics		Field		
Acad	lemic caries	er In otion :	Year	Institution			Field		
	theorie	lection:	2010	Ecoulty of Sciences No	wi Sod		Mathematical Sciences		
Magi	eter thesis		1996	Faculty of Sciences - No	wi Sad		Mathematical Sciences		
Bach	elor's thesi	<u> </u>	1990	Faculty of Sciences - No	vi Sad		Mathematical Sciences		
List	of courses h	eina he	Id by the te	acher in the accredited stu	idv programme		Mathematical Ociences		
						.5			
	ID	Course	e name			Study pro	gramme name, study type		
1	F145	Onera	tions Resea	irch		(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies		
		opola				(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
	5040	Discourse				(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
۷.	E213	Discrete Mathematics and Linear Algebra				(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies		
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies		
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies		
3.	E221A	Mathe	matical Ana	llysis 2		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
4.	GI101	Algebr	а			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies			
5.	H203	Mathe	matics 3			(H00) Mechatronics, Undergraduate Academic Studies			
6.	IAM002	Discre Graph	te and Com ics	binatorial Methods for Co	mputer	(F10) Eng Studies	ineering Animation, Undergraduate Academic		
-	COFONI	0.000				(S00) Traf Academic	fic and Transport Engineering, Undergraduate Studies		
7.	5053N	Opera	lions reseal	cn		(S01) Pos Undergrad	tal Traffic and Telecommunications, uate Academic Studies		
8.	0M512	Model	s of Compu	tation		(OM1) Ma Studies	thematics in Engineering, Master Academic		
9.	0ML512	Model	s of Compu	tation		(OM1) Ma Studies	thematics in Engineering, Master Academic		
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
						(112) Indu	strial Engineering, Specialised Academic Studies		
10.	DZ01MS	Select	ed Chapter	s in Mathematics		(I22) Engi Studies	neering Management, Specialised Academic		
						(Z00) Env Studies	ironmental Engineering, Specialised Academic		
11.	D0M08	Applie	d Abstract A	Algebra		(OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
12.	D0M13	Theory	of Mobile	Processes		(OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
13.	D0M14	Proces	ss Algebra			(OM1) Ma Studies	thematics in Engineering, Doctoral Academic		
14.	D0M22	Multipl	e-Valued L	ogic		(OM1) Ma Studies	hematics in Engineering, Doctoral Academic		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

	ID	Course name	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Study program	ne name, study type	
15.	D0M23	Clone Theory		(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic
				(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies		
				(E20) Computin Academic Studie	g and Control Engineering,	Doctoral
				(F00) Graphic E Studies	ngineering and Design, Doo	ctoral Academic
				(F20) Engineeri	ng Animation, Doctoral Acad	demic Studies
				(G00) Civil Engi	neering, Doctoral Academic	Studies
				(GI0) Geodesy a	and Geomatics, Doctoral Ac	ademic Studies
16		Selected Chapters in Mathematics		(H00) Mechatro	nics, Doctoral Academic Stu	udies
10.	DZUTIM	Selected Chapters in Mathematics		(120) Industrial E Doctoral Acaden	Engineering / Engineering M nic Studies	anagement,
				(M00) Mechanic	al Engineering, Doctoral Ac	ademic Studies
				(M40) Technica	Mechanics, Doctoral Acade	emic Studies
				(OM1) Mathema Studies	atics in Engineering, Doctora	al Academic
				(S00) Traffic En	gineering, Doctoral Academ	ic Studies
				(Z00) Environmental Engineering, Doctoral Academic Studies		
				(Z01) Safety at	Work, Doctoral Academic St	tudies
17.	AID05	Theory of Mobile Processes		(F20) Engineeri	ng Animation, Doctoral Acad	demic Studies
18.	AID06	Graph theory		(F20) Engineeri	ng Animation, Doctoral Acad	demic Studies
Rep	oresentative	refferences (minimum 5, not more the	an 10)			
1.	Gilezan S Algorithm	S., Pantović J., Žunić J.: Partitioning F is and Metaheuristics (editor: T. F. Go	ïnite d-Dimensional In nzalez)., Chapman	teger Grids with A	Applications, chapter in: App	proximation
2.	Ghilezan Neural Ne	S., Pantović J., Žunić J.,Separating p etworks, 2007, Vol. 18, No. 5, 1356-13	oints by parallel hyper 363.	planes - characte	ization problem, IEEE Trans	sactions on
3.	Mariangio Comput.	ola Dezani-Ciancaglini, Silvia Ghilezar Sci, 2008, 402(2-3): 156-171	n, Jovanka Pantovic, D	aniele Varacca: S	Security types for dynamic w	veb data. Theor.
4.	Pantović 2000, 369	J., Vojvodić D., On the cardinality of n 9-374.	onfinitely based functi	onally complete a	llgebras, Algebra Universalis	s, Vol. 43, No. 4,
5.	Pantović Vol. 38, N	J., Tošić R., Vojvodić G., The cardinal Io.2, 1997, 136-140.	lity of functionally com	plete algebras on	a three element set, Algebr	a Universalis,
6.	Pantović Vol. 19, N	J., Machida H., Rosenberg I.: Regula lo 1-3, pp. 149-162, ISSN 1542-3980	r sets of operations, J	ournal of Multiple	Valued Logic and Soft Com	puting, 2012,
7.	Machida 18, No 2,	H., Pantović J.: Three classes of max pp. 201-210, ISSN 1542-3980	imal hyperclones, Jou	rnal of Multiple Va	alued Logic and Soft Compu	uting, 2012, Vol.
8.	Pantović 2009, pp.	J., Machida H.: Maximal hyperclones 1-13, ISSN 1542-3980	on E2 as hypercores	, Journal of Mult	iple Valued Logic and Soft (Computing,
9.	Pantović Vol.113 (J., Tošić R., Vojvodić G., Relative con 2-3), 2001, 337-342.	npleteness with respec	ct to two unary fur	nctions, Discrete Applied Ma	athematics,
10.	Marinagi Trustwort	ola Dezani-Ciancaglini, Silvia Ghileza hy Global Computing, Lecture Notes i	n, Jovanka Pantović, S n Computer Science,	Security types for 2007, Vol. 4661,	dynamic web data, Proceec str. 263-280.	lings of
Sur	nmary data	for teacher's scientific or art and profe	essional activity:			
Quot	ation total :		30			
Total	of SCI(SSC	CI) list papers :	13			
Curre	ent projects	:	Domestic :	2	International :	3



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Pekarić-Nađ M. Neda			
Academic title:			Full Professor					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:			01.07.1978					
Scie	ntific or art f	ield:			Theoretical E	lectrotechni	CS	
Acad	lemic cariee	er	Year	Institution			Field	
Acad	lemic title el	ection:	2001	Faculty of Technical Sci	ences - Novi S	ad	Theoretical Electrotechnics	
PhD	thesis		1984	School of Electrical Engi	neering - Beog	grad	Electrical and Computer Engineering	
Mag	ster thesis		1981	School of Electrical Engi	neering - Beog	grad	Electrical and Computer Engineering	
Bach	elor's thesis	S	1978	Faculty of Technical Sci	ences - Novi S	ad	Electrical and Computer Engineering	
List	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.	E216	Funda	mentals of	Electrical Engineering		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies	
2.	1087	Electri	cal Enginee	ering in Industrial Engineer	ring	(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
						(E10) Pov Engineerin	ver, Electronic and Telecommunication	
3.	E105	Funda	mentals of	Electrical Engineering 1		(MR0) Me Undergrad	easurement and Control Engineering, luate Academic Studies	
1	E110					(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
4.	LIIU	i unua				(MR0) Measurement and Control Engineering, Undergraduate Academic Studies		
5	11007	Funda	mental elec	trical engineering		(I10) Indus Studies	strial Engineering, Undergraduate Academic	
0.	11007	T undu		anour engineering		(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
6.	II1010	Contro	ol of technic	al systems		(110) Industrial Engineering, Undergraduate Academic Studies		
7	IM1022	Funda	mentals of	technical systems control		(I20) Engi Studies	neering Management, Undergraduate Academic	
	1111022	T undu				(M20)Me Undergrad	chanization and Construction Engineering, luate Academic Studies	
8.	URZP12	Introdu	uction to ele	ectrical engineering		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, luate Academic Studies	
9.	DE208S	Select	ed Chapter	s on Electromagnetic Com	npatibility	(E11) Pow Engineerin	ver, Electronic and Telecommunication Ig, Specialised Academic Studies	
10.	DE408S	Select	ed chapters	inl electromagnetics		(E11) Pow Engineerin	ver, Electronic and Telecommunication ng, Specialised Academic Studies	
11.	URZP55	Fire ar	nd Explosio	n Protection due to Electri	city	(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies	
12.	DE208	Select	ed Chapter	s on Electromagnetic Com	npatibility	(E10) Pow Engineerin	ver, Electronic and Telecommunication ng, Doctoral Academic Studies	
13.	DE408	Select	ed Chapter	s in Electromagnetics		(E10) Pow Engineerin	ver, Electronic and Telecommunication ng, Doctoral Academic Studies	
Re	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.	Neda Pel	karić-Na	idj, Vera Ba	jović, "Izbor rešenih probl	ema iz Osnova	elektrotehr	nike", Gradjevinska knjiga, Beograd, 2007	
2.	Neda Pel	karić-Na	idj, Deiana	Herceg, "Osnovi elektrote	hnike za stude	nte Računa	rskog odseka" edicja FTN. Novi Sad. 2005	
3.	Nikolajev	ić S, Pe	karić-Nadj l	N, Dimitrijević R, "Optimiza	ation of cable to	erminations	", IEEE Trans. PWRD,Vol.12, No 2, 1997 p.p.	
4.	Nikolajev Trans. Po	ić S, Pe ower De	karić-Nadj l livery, Volu	N, Dimitrijević R, "A new c me 13, No. 3, July 1998, r	oncept in cons o.p. 712-718	truction of c	able terminations for medium voltages", IEEE	

4	TAS STUD		UNIVERSITY OF NO	VI SAD		WYKNX H				
OR		FACULTY OF TECHNICAL SCI								
0.26	States and a state of the state	Study F	Study Programme Accreditation							
.01	LANTEN	UNDERGRADUATE ACADEMIC	STUDIES	Cle	ean Energy Technologies	HO				
Representative refferences (minimum 5, not more than 10)										
5.	5. Šećerov Sokolović R., Sokolović S., Mihajlović Đ., Gelei T., Pekarić Nađ N., Šević S.: Effect of pulsed electromagnetic field on crude oil rheology, Industrial and Engineering Chemistry Research, 1998, Vol. 37, No 12, pp 4828-4834, ISSN 0888-5885									
6.	Buranj N., Milutinov M., Pekarić Nađ N.: Uređaj za izlaganje malih tečnih uzoraka magnetskom polju, 2011									
7.	 Juhas A., Pekarić Nađ N., Herceg D.: Estimation of Human Exposure to Combined RF EM Field of Multiple Antennas, 5. International PhD Seminar on Computational Electromegnetics and Optimization inElectrical Engineering CEMOEE, Sofija: Proceedings of International PhD Seminar on Computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 September, 2010, 10-13 Septembar, 2010, pp. 27-31, ISBN 978-954-438-856-0 									
8.	Herceg D., Computatio Seminar on September	Pekarić Nađ N., Juhas A.: Shield s onal Electromegnetics and Optimiza Computational electromagnetics a , 2010, 10-13 Septembar, 2010, pp.	hape influence on a co tion inElectrical Engine nd optimization in elec . 18-21, ISBN 978-954	oreless probe indu eering CEMOEE, trical engineering -438-856	uctance, 5. International Ph Sofija: Proceedings of Inter – CEMOEE 2010, Sofia, B	D Seminar on national PhD ulgaria, 10-13				
9.	Milutinov M Symposium	., Juhas A., Pekarić Nađ N.: Power on Electrical Apparatus and Techr	r line currents data ext nologies – SIELA, Bou	raction from magi rgas, 28-30 Maj, 2	netic field measurements, 1 2012, pp. 226-231, ISBN 13	7. International 14-6297				
10.	10. Dimitrijević R., Tasić D., Raičević N., Aleksić S., Pekarić Nađ N.: Analysis of a MV XLPE Cable Termination Design with Embedded Electrodes, Facta universitatis - series: Electronics and Energetics, 2010, Vol. 23, No 1, pp. 99-117, ISSN 0353-3670									
Sur	nmary data fo	r teacher's scientific or art and profe	essional activity:							
Quot	ation total :		16							
Total of SCI(SSCI) list papers : 3										
Curre	ent projects :	Current projects : Domestic : 2 International :								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:				Petrović R. Jovan					
Acad	lemic title:				Associate Professor				
Nam	e of the inst	itution v	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				01.01.1982				
Scier	ntific or art f	ield:			Thermal Energetics				
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	ection:	2012	Faculty of Technical Sci	ences - Novi S	ad	Thermal Energetics		
PhD	thesis		2007	Faculty of Technical Sci	ences - Novi S	ad	Thermal Energetics and Thermotechnics		
Magi	ster thesis		2002	Faculty of Agriculture - N	Novi Sad		Process Technics		
Bach	elor's thesis	5	1978	Faculty of Technical Sci	ences - Novi S	ad	Thermal Energetics and Thermotechnics		
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	ogramme name, study type		
1.	1079	Moder	n Energy Te	echnologies		(M50) Ene (ZC0) Clea Academic	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	pparatus			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
4.	M3409A	Moder	n Energy Te	echnologies		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
5.	Z306	Process Engineering				(Z20) Environmental Engineering, Undergraduate Academic Studies			
	70004	_				(Z01) Safety at Work, Undergraduate Academic Studies			
6.	Z306A	Proces	s Engineer	ing		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
7.	Z412A	Proces	ss apparatu	s for protecting the enviro	nment	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
8.	Z412	Proces engles	sni aparati z kom)	a zaštitu okoline(uneti na	ziv na	(Z20) Environmental Engineering, Undergraduate Academic Studies			
٩	M211	Measu	irement and	Regulation		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
5.	1012-1-1	incasu	irement and	regulation		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
10.	M3041	Cogen	eration faci	lities		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
	M0.40.4	F				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
11.	M3494	Energy efficiency				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
10	M0.407	F				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
12.	M3497	Energy	audits			(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
						(M30) Ene Studies	ergy and Process Engineering, Master Academic		
13.	M3518	Energy	/ Managem	ent		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
						(M50) Ene	ergy Management, Master Academic Studies		
14.	1079	Moder	n Energy Te	echnologies		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
15.	1916	Energy	/ Managem	ent in Industry		(M50) Ene	ergy Management, Master Academic Studies		
16.	1917	Energy	/ Managem	ent in Buildings		(M50) Ene	ergy Management, Master Academic Studies		
17.	1078	Energe	etska politik	а		(M50) Ene	Energy 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 tea	cher in the	accredited	study pro	oaramme

List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study programme name, study type				
18.	M3515	Energy Systems		(M30) Energy and Process Engineering, Master Academic Studies				
				(M50) Energy Management, Master Academic Studies				
19	M3518	Energy Management		(M30) Energy and Process Engineering, Master Academic Studies				
10.	Nice ie	Energy Management		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies				
20.	M3M01	Implementation of Energy Managem Buildings	ent in Industry and	(ZC0) Clean Energy Technologies, Master Academic Studies				
21.	M5025	Energy audits		(M50) Energy Management, Master Academic Studies				
22.	DM216	Energy Systems		(M00) Mechanical Engineering, Doctoral Academic Studies				
23.	DM217	Energy Management in Idustry		(M00) Mechanical Engineering, Doctoral Academic Studies				
24.	DM218	Contemporary Energy Technologies		(M00) Mechanical Engineering, Doctoral Academic Studies				
25.	DM219	Energy Politics		(M00) Mechanical Engineering, Doctoral Academic Studies				
26.	DM332	Energy Management in Buildings		(M00) Mechanical Engineering, Doctoral Academic Studies				
27.	7. DM333 Renewable Energy Resoruces (M00) Mechanical Engineering, Doctoral Academic Stu							
Representative refferences (minimum 5, not more than 10)								
1.	Bojić M. at al: 24th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems - ECOSS 2011, Novi Sad, 2011, pages 3958, ISBN 978-86-6055-016-5 (member of editorial team)							
2.	2. Ćosić I. at al: 4th Internationa Conference on Engineering Technologies ICET 2009, Novi Sad, 2009, pages 523, ISBN 978-86- 7892-227-5 (member of editorial team)							
3.	Gvozden Thailand,	ac, D., Menke, C., Vallikul, P., Petrovi Energy, Vol. 34, No.4, pp. 465–475.	ć, J., Gvozdenac, B.: /	Assessment of potential for natural gas/based cogeneration in				
4.	JOVAN F on planni UDC 621	R. PETROVIĆ, BRANKA GVOZDENA ng and development of heating system	C – UROŠEVIĆ, JOSI ms, Thermal Sciences	IP J. POLC: Reasons for heat demand changes and effects s, Year 2112, Vol. 16, Suppl. 1, pp S63-S77, ISSN 0354-9836,				
5.	MIROSL/ Serbia, T	AV V. KLJAJIĆ, JOVAN R. PETROVI hermal Sciences, Year 2012, Vol. 16,	Ć: Applicability assess Suppl. 1, pp S63-S77	ment of central and solar hot water system integration in 7, ISSN 0354-9836, UDC 621				
6.	GVOZDE Vol. 15 (2	NAC D, PETROVIC J, GVOZDENAC 2011), pages 17-28, UDC: 662.76.035	B.: Industrial Gas Tur 	rbine Operation Procedure Improvement, Thermal Science, SCI100516012G				
7.	GVOZDE Prague, (NAC D., PETROVIC J.: Survey of Ac Czechoslovakia, 1989, No 2, pp. 32-34	tivities in the Subnetw 5.	ork in Food Processing Industry; ENCONET NEWSLETTER,				
8.	PETROV mesa; "T	IĆ Lj., MANOJLOVIĆ D., PETROVIĆ ehnologija mesa", Beorad, 1990., br. 4	M., GVOZDENAC D., 4, str. 128-135	, PETROVIĆ J.: Uticaj brzine hlađenja na kvalitet svinjskog				
9.	GRKOVI energije (Ć V., PETROVIĆ J.: Pokazatelji energ (SPETE), "Termotehnika", Beograd, 1	jetske efikasnosti kod 991., br. 1-2, str. 27-3	postrojenja za spregnutu proizvodnju električne i toplotne 9				
10.	PETROV Case Stu	IC J., GVOZDENAC D., PERUNOVIC dy; ENCONET NEWSLETTER, Pragu	P.: Monitoring of the ue, Czechoslovakia, N	Operating Thermal Performances in a Water Heating Boiler - lo. 4, 1991				
Sur	mmary data	for teacher's scientific or art and profe	essional activity:					
Quot	tation total :		7					
Tota	l of SCI(SS	CI) list papers :	4					
Curre	ent projects	:	Domestic :	3 International : 0				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:				Radonić R. Jelena					
Acad	lemic title:				Assistant Professor				
Nam	e of the inst	itution v	here the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				01.04.2004				
Scientific or art field:					Environment	Protection E	ngineering		
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic 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	Environment Protection Engineering		
Magi	ster thesis		2006	University of Novi Sad -	Novi Sad		Environment Protection Engineering		
Bach	elor's thesis	S	2002	Faculty of Technology -	Novi Sad		Technological Engineering		
List o	of courses b	eing he	d by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	gramme name, study type		
1.	URZP45	Mobile	Equipment	and Fire Extinguishing E	quipment	(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
2.	URZP61	Funda	mentals of t	the Burning Processes Th	eory	(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
3.	Z102	Techn	ical Chemis	try		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
4.	Z109	Chemi	cal Principle	es in Environmental Engir	neering	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
5.	Z305	Data A	nalysis of E	Environmental Condition		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
6.	Z305A	Environmental data analysis				(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
7.	Z102	Tehnička hemija(uneti naziv na engleskom)	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
8.	Z109	Hemijs sredine	ki principi ι e(uneti nazi	i inženjerstvu zaštite život v na engleskom)	ne	(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies		
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
9.	Z151	Chemi	stry in Mecl	nanical Engineering		(M40) Teo Undergrad	chnical Mechanics and Technical Design, uate Academic Studies		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic		
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
10.	Z153	Chemi	stry in Engi	neering		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
11.	Z155	Chemi	cal Principle	es in Engineering		(Z01) Safe	ety at Work, Undergraduate Academic Studies		
12.	Z600	Chemi	cal Phenom	nena in Engineering		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
13.	Z503	Practic	al Course i	n Environment Protection		(Z20) Envi	ronmental Engineering, Master Academic Studies		
14.	Z507	Physic	al and Che	mical Principles		(Z20) Envi	ronmental Engineering, Master Academic Studies		
15.	Z507	Fizičko	o hemijski p	rincipi(uneti naziv na engl	eskom)	(Z20) Envi	ronmental Engineering, Master Academic Studies		
16.	MPK005	Analys	is of enviro	nmental protection systen	ns	(MPK) Inž naziv na ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies		
17.	SZD050	Transp multice	oort and distomponent s	tribution of pollutants in he ystems	eterogeneous	(Z00) Env Studies	ironmental Engineering, Specialised Academic		
18.	SZDO03	Applie	d Analysis o	of Physical and Chemical	Parameters	(Z00) Env Studies	ironmental Engineering, Specialised Academic		
19.	SZSP09	Reme	diation of co	ontaminated locations		(Z00) Env Studies	ironmental Engineering, Specialised Academic		
20.	SZSP17	Savrer supsta	nene instru nci u životn	mentalne metode analize oj sredini	zagađujućih	(Z00) Env Studies	vironmental Engineering, Specialised Academic		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

of course	es beina he	ld by the teach	er in the accre	edited study	programme

List of courses being held by the teacher in the accredited study programmes								
	ID	Course name		Study program	me 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) Mechatro	nics, Doctoral Academic Stu	idies		
23.	ZD050	Transport and distribution of pollutar multicomponent systems	nts in heterogeneous	(Z00) Environm Studies	ental Engineering, Doctoral	Academic		
24.	ZDO03	 Applied Analysis of Physical and Chemical Parameters Applied Analysis of Physical and Chemical Parameters (OM1) Mathematics in Engineering, Doctoral Association (200) Environmental Engineering, Doctoral Academic Studies (Z01) Sofety at Wark, Destared Academic Studie 						
Re	oresentative	e refferences (minimum 5, not more th	an 10)	(, , , , , , , , , , , , , , , , , , ,				
1.	Turk Sek Kragujev Singapur	ulić M., Radonić (Jakšić) J., Đogo M.: ac, Serbia U: Environmental, Health / , World Scientific, 2008, str. 284-295,	Characterization of g And Humanity Issues I ISBN 978-981-283-43	as/particle partitic n The Down Dan 9-3	ning of PCBs and PAHs in a ubian Region: Multidisciplina	a pilot area of ary Approaches,		
2.	Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Klanova 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, ISSN 0944-1344							
3.	Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Klanova J.: Post-war levels of persistent organic pollutants (POPs) in air from Serbia determined by active and passive sampling methods , Environmental Chemistry Letters, 2007, Vol. 5, No 3, pp. 109-113, ISSN 1610-3653							
4.	 Jovčić N., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Popov S.: Identification of emission sources of particle- bound polycyclic aromatic hydrocarbons in the vicinity of the industrial zone of the city of Novi Sad DOI: 10.2298/HEMIND120113062J, Hemijska industrija, 2012, pp. 1-36. ISSN 0367-598X 							
5.	Grujić Le emerging 7103	tić N., Milić N., Turk Sekulić M., Rado organic contaminants in the Danube	nić (Jakšić) J., Milanov River samples by HPI	/ić M., Mihajlović ₋C, Chemicke Lis	I., Vojinović-Miloradov M.: C ty, 2012, Vol. 106, pp. 264-2	Quantification of 66, ISSN 1213-		
6.	Milić N., I antibiotic HEAL R,	Milanović M., Grujić Letić N., Turk Sek s as emerging contaminant substance 2012, pp. 1-15, ISSN 0960-3123	kulić M., Radonić (Jakš es in aquatic environm	šić) J., Mihajlović ent DOI: 10.1080	I., Vojinović-Miloradov M.: C //09603123.2012.733934, IN	Occurrence of IT J ENVIRON		
7.	Radonić coefficier industrial 10.2298/	(Jakšić) J., Vojinović-Miloradov M., Tu it, KOA, as a predictor of gas-particle and urban sites, Journal of Serbian C JSC100616037R	rk Sekulić M., Kiurski partitioning of polycyc chemical Society, 2011	J., Đogo M., Milo lic aromatic hydro I, Vol. 76, No 3, p	vanović D.: The octanol-air carbons and polychlorinatec p. 447-458, ISSN 0352-5139	partition I biphenyls at 9, UDK: doi:		
8.	Radonić based on 10.2298/	(Jakšić) J., Ćulibrk D., Vojinović-Milora M5' model trees, Thermal Science, 2 TSCI100809005R	adov M., Kukić B., Tur 011, Vol. 15, No 1, pp	k Sekulić M.: Pre . 115-124, ISSN (diction of gas-particle partitio 0354-9836, UDK: doi:	oning of PAHs		
9.	Turk Sek Polychlor No 4, pp.	ulić M., Radonić (Jakšić) J., Vojinović inated Biphenyls and Polycyclic Arom 371-380, ISSN 0367-598X, UDK: 504	-Miloradov M., Šenk N hatic Hydrocarbons Us 4.5(497.11):547.621	., Okuka M.: Ass ing Polyparamete	essment of Atmospheric Dis r Model, Hemijska industrija	tribution of , 2011, Vol. 65,		
10.	 Vojinović-Miloradov M., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Stošić M.: Emerging substances of concern – a shift in traditional thinking, 1. Environmental Protection of Urban and Suburban Settlements, Novi Sad: Ecological Movement of Novi Sad, 21-24 Septembar, 2011, pp. 265-271, ISBN 978-86-83177-44 							
Su	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		0					
Tota	of SCI(SS	CI) list papers :	2 Demostie :	2	International			
Curr	ent projects	•	Domestic :	3	memational :	S		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Ratković-NJegovan M. Biljana			
Acad	lemic title:				Associate Pro	ofessor		
Nam	e of the inst	itution v	where the te	acher works full time and	-			
Scientific or ort field:			Modio Engine	oring and M	lanagament			
Acad		ieia. vr	Voor	Institution		ening and iv	Field	
Acad	lemic carlee	en e	1 ear		anaga Navi G	ad	Field	
Acao	theorie	ection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Media Engineering and Management	
Mogi	ator theorie		2003	Easox university None				
Roch	ster thesis		1900	Essex university - Nepo.	Zilalo Poor Poorrad		Social Science	
Bach		5		Faculty of Political Scier	ices - Beograu	-	Political Science	
LISU		eing nei				.5		
	ID	Course	e name			Study pro	gramme name, study type	
1.	1409	Psycho	ology in Ma	nagement		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
2.	IM1820	The the	eory and pr	actice of organizational so	ocialization	(I20) Engin Studies	eering Management, Undergraduate Academic	
3.	IM1920	Organi	zational so	cialization		(I20) Engin Studies	eering Management, Undergraduate Academic	
4		Ethiool	and logal	appearte of human resource		(I20) Engii Studies	neering Management, Specialised Professional	
4.		Ethical	anu iegai a	aspects of numari resourc	65	(IB0) Engi Profession	neering Management - MBA, Specialised al Studies	
5.	1077/S	Ethics in Education				(I20) Engii Studies	neering Management, Specialised Professional	
6.	MM004	Theory and Practice of Media Communicat			on	(I20) Engineering Management, Specialised Professional Studies		
7.	URZP64	The role of media in reducing the risk				(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies	
8.	IM2218	Entrepreneurship in creative industries				(I20) Engin	eering Management, Master Academic Studies	
9.	IM2822	Mass (Communica	tions Research		(I20) Engin	eering Management, Master Academic Studies	
10.	IMDS76	Selecter engine	ed topics in ering	industrial marketing and	media	(I22) Engineering Management, Specialised Academic Studies		
11.	MM016	MEDIA	ORGANIS	ATION AND MANAGEM	ENT	(I20) Engineering Management, Specialised Professional Studies		
12.	IMDR76	Selecte engine	ed topics in ering	industrial marketing and	media	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
Rep	oresentative	reffere	nces (minin	num 5, not more than 10)				
1.	Ratković	Njegova	an, B. Teori	ja političke javnosti. (2004). Sremski Kar	ovci: Kairos		
2.	Ratković	Niegova	an. B., Mere	nie RTV auditoriiuma i vro	ednovanie proc	Irama, (200!	5). Link. br. 32. Link – dodatak.	
3	Ratković	Niegova	an B Medii	i i auditorijum (2007). Lin	k br 58 god V	/l nn 23_2	6	
J.	Ratkov N			ska javna sfera i modili (2	2008) Link hr	65 and 1/11	 Link – dodatak	
4.			Vraniač C		Mitroviá S (20	12) Atituda	, LINK – UUUUUK.	
5.	restructu	ring: a s	ample of or	ganizations in Serbia. Me	talurgia interna	tional 12(17). ISSN: 1582-2214	
6.	Ratković Journal fo	Njegova or East E	an, B., Crno European M	marković, M (2012). Sch lanagement Studies, 17(2	1001 manageme 19, 184–205.	ent in Serbia	:: Key Aspects of its Relation to School Success.	
7.	Ratković People. A	Njegova A Case S	an, B., Vuka Study. Socio	adinović, M., Grubić Nešić ológia / Slovak Sociologica	, L. (2011). Cha al Review, 43, (aracteristics 657-673. IS	and Types of Authority: the Attitudes of Young SN: 0049-1225.	
8.	Ratković Matice sr	Njegova pske za	an, B., Rade društvene	enković. V. (2010). Kablov nauke, 131, 97–110. ISSN	/ski distribucior N: 0352-5732/L	ii sistemi u S IDK 3(05).	Srbiji: Izlazak iz sive zone poslovanja. Zbornik	
9.	Ratković Scientific Engineer	Njegova Confere ing and	an B., Šiđar ence on Ind Manageme	nin. I. (2011). Media and (ustrial Systems – IS 11). nt, 583-587. ISBN: 978-80	Creative Indust Novi Sad: Fac 6-7892-341-8.	ries: The va ulty of Techr	lue of Creative Content In: XV International nical Sciences, Department of Industrial	
10.	Ratković Company	Njegova /: An Ex	an, B., Đura ample of Pi	šković, D., Kostić, B. (201 ublic Broadcasting. Journa	1). Creative Po al of Engineerin	ortfolio Strati Ig Managerr	egy as a Model of Management in Media nent and Competitiveness (JEMC), 2(1), 6-10.	
Sur	Summary data for teacher's scientific or art and professional activity:							

STAS STUD			WHENX HA			
OR	FACULTY OF TECHNICAL SCI	EJA OBRADOVIĆA 6				
7.70005	Study P	on	Con			
PLANTER	UNDERGRADUATE ACADEMIC S	STUDIES	Cle	an Energy Technologies	HOS	
Quotation total :		0				
Total of SCI(SSCI)	list papers :	4				
Current projects :		Domestic :	1	International :	0	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Ristić V. Aleksandar					
Acad	emic title:				Assistant Professor			
Nam	e of the inst	itution w	where the te	acher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.02.2000			
Scientific or art field: Au					Automatic Co	ntrol and Sy	ystem Engineering	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
PhD	thesis		2009	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Magi	ster thesis		2001	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
Bach	elor's thesis	S	1999	Faculty of Technical Sci	ences - Novi Sa	ad	Automatic Control and System Engineering	
List c	of courses b	eing hel	d by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	ogramme name, study type	
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies	
						(H00) Med	chatronics, Undergraduate Academic Studies	
1.	E226	Autom	atic Control	Systems		(MR0) Me Undergrad	asurement and Control Engineering, luate Academic Studies	
						(SEL) Sof Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
2.	GI014	Celesti	ial Mechani	cs		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
3.	GI016	Physic	al Geodesy	,		(GI0) Geodesy and Geomatics, Undergraduate Academic		
4.	GI025B	Geode	tic Metrolog	ЗУ		(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
5.	GI404A	Digital Terrain Models				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
6.	GI409A	Underground Infrastructure Detection				(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic	
7.	M3408	Autom	atic Control	Systems		(M40) Tec Undergrad	chnical Mechanics and Technical Design, uate Academic Studies	
8.	BM119A	The ap	plication of s in medici	geoinformation technolog	gies and	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
9.	GG226	Autom	atic control	systems in geomatics		(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
10.	GG99	Geosp	atial techno	logies - basics		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies		
11.	M3409	Autom	atic control	systems		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
12.	ZC037	Autom	ation applie	d in the industry and build	lings	(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
13.	GI600	Applied	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	nsor netwo	rks		(GI0) Geo	desy and Geomatics, Master Academic Studies	
16.	M3417	Applied	d industrial	automatization		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
17.	SDGI01	Selecte	ed topics in	geoinformation systems		(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
18.	SDGI04	Selecte Detect	ed Chapters ion	s in Underground Infrastru	ıcture	(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
19.	SDGI13	Selecte	ed topics in	spatial data infrastructure)	(GI0) Geo Studies	desy and Geomatics, Specialised Academic	
20.	DGI001	Selecte	ed Chapters	s in Geoinformation Syste	ms	(GI0) Geo	desy and Geomatics, Doctoral Academic Studies	
21.	DG1004	Selecter Detect	ed Chapters ion	s in Underground Infrastru	cture Utility	(GI0) Geo	desy and Geomatics, Doctoral Academic Studies	
22.	DGI006	Selecte	ed Chapters	s in Real Estate Cadastre		(GI0) Geo	desy and Geomatics, Doctoral Academic Studies	
23.	DGI009	Selecte	ed Chapters	s in GNSS Systems		(GI0) Geo	desy and Geomatics, Doctoral Academic Studies	

SITAS STUDIO

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

00	Clean Energy Technologies							
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				
Rep	presentative	e refferences (minimum 5, not more than 10)						
1.	Aleksand Object ar ISSN 009	lar Ristić, Dušan Petrovački, Miro Govedarica: A New Metho nd the Wave Propagation Velocity from GPR Data, Compute 98-3004, (IF2010 1.416)	d to Simultaneously Estimate the Radius o rs & Geosciences, 2009, Vol. 35, Broj 8, str	f a Cylindrical r. 1620-1630,				
2.	Govedari Metadata GEODET	ica Miro, Boskovic Dubravka, Petrovacki Dusan, Ninkov To a Catalogues in Spatial Information Systems (Review), "SKI LIST, (2010), vol. 64 br. 4, str. 313-334 (IF 2009 0.167)	osa, Ristic Aleksandar:					
3.	Aleksand interpreta	lar Ristić, Biljana Abolmasov, Miro Govedarica, Dušan Petro ation using a multi-geophysical approach, Acta geotechnica	vački, Aleksandra Ristić: Shallow-landslide slovenica, (2012), vol. 9, issue 1, pp 46-59,	spatial structure (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 (JE 2010.0.178) 							
5.	Ristić Ale poljoprivr	eksandar, Govedarica Miro, Petrovački Dušan: GNSS status edi (PTEP) 2010, ISSN: 1821-4487, Vol. 14, No. 1, Str. 6-10	and perspective, Časopis za procesnu tehi), UDK 63:004(497.11)	niku i energetiku u				
6.	Ristić Ale za proces 621.396.9	eksandar, Petrovački Dušan, Govedarica Miro: Radar Remot snu tehniku i energetiku u poljoprivredi (PTEP) 2010, ISSN: 96(075.8)	e Sensing Technologies - the Usage in Agr 1821-4487, Vol. 14, No. 2, Str. 76-80, UDK	iculture, Časopis				
7.	Ristić A., Broj 229-	Petrovački D., Govedarica M., Popov S.: Detekcija podzem 230, str. 344-349, ISSN 0350-0519, UDK: 551.491.5	nih voda i tokova Georadarom, Vodoprivred	la, 2007, Vol. 39,				
8.	Ristić A., Petrovački D., Govedarica M. : Flooding bank structure modelling using GPR, GNSS and airborne laser scanning technologies, 3. The International Symposium on Global Navigation Satellite Systems, Space-Based and Ground-Based Augmentation Systems and Applications, Berlin: Senate Department for Urban Development Berlin, 30-2 Novembar, 2009, str. 99-103. ISBN 978-3-938373-93-4							
9.	Ristić A., Govedarica M., Petrovački D. : Landslide analysis using GPR, GNSS and terrestrial laser scanning technologies, 3. The International Symposium on Global Navigation Satellite Systems, Space- Based and Ground-Based Augmentation Systems and Applications, Berlin: Senate Department for Urban Development Berlin, 30-2 Novembar, 2009, str. 90-94, ISBN 978-3-938373-93- 4							
10.	Govedari Global Na Departme	ca M., Petrovački D., Ristić A:GNSS - Based Ground Peneti avigation Satellite Systems, Space-Based and Ground-Base ent for Urban Development Berlin, EUPOS ISC, UN OOSA,	ation Radar Applications, 2. The Internation d Augmentation Systems and Applications ICG, 11-14 Novembar, 2008, str. 93-94	nal Symposium on , Berlin: Senate				
Sur	nmary data	for teacher's scientific or art and professional activity:						

2

3

Domestic :

1

Quotation total :

Current projects :

Total of SCI(SSCI) list papers :

1

International :



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Sakulski M. Dušan						
Acad	lemic title:				Assistant Professor				
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Technical Sciences - Novi Sad				
starti	ng date:				01.10.2007				
Scientific or art field:					Environment Protection Engineering				
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	ection:	2012	Faculty of Technical Science	ences - Novi Sa	ad	Environment Protection Engineering		
PhD	thesis		2002	WITS University - Johan	inesburg		Environment Protection Engineering		
Bach	elor's thesis	S	1982	Faculty of Civil Engineer	ring - Beograd		Civil Engineering		
Magi	ster thesis		-				Civil Engineering		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s			
	ID	Course	e name			Study pro	gramme name, study type		
1.	URZP23	Applie	d Informatio	n Technologies		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
2.	URZP36	Risks i	n Manipula	ting Hazardous Substance	es	(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
3.	URZP41	Disaste	ers and Vul	nerability		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
4.	URZP44	Applica manag	ation of geo jement	binformation technology in	n risk	(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
5.	URZP46	Cycle	Elements of	f Catastrophic Events		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
6.	URZP56	Fundamentals of Risk and Fire Protection I			lanagement	(ZP0) Disa Undergrad	ZP0) Disaster Risk Management and Fire Safety, Jndergraduate Academic Studies		
7.	Z415	Accidental Risks Management				(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
8.	Z511P	Institutional Framework in Risk Managemer			nt	(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies		
9.	Z307	Modelovanje i simulacija u IZŽS(uneti naziv engleskom)			na	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic		
10.	Z409A	Upravl	janje opasn	im otpadom(uneti naziv n	a engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies			
11.	Z415	Upravl engles	janje akcide kom)	entalnim rizicima(uneti naz	ziv na	(Z20) Environmental Engineering, Undergraduate Academic Studies			
12.	ZC047	Waste	to energy to	ehnologies		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
13.	ZP515	Qualita	ative and qu	antitative methods of risk	management	(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
14.	Z510	Upravl naziv r	janje akcide na englesko	entalnim rizicima i životna m)	sredina(uneti	(Z20) Envi	ronmental Engineering, Master Academic Studies		
15.	Z511	Instituc	cionalni okv a(uneti nazi	iri upravljanja akcidentnim v na engleskom)	1	(Z20) Envi	ronmental Engineering, Master Academic Studies		
16.	ZP501	Integra	ated Natural	Disaster Risk Manageme	ent	(ZP1) Disa Academic	aster Risk Management and Fire Safety, Master Studies		
17.	IM2707	Metho	ds for the a	nalysis of insurance risk		(I20) Engir	neering Management, Master Academic Studies		
18.	IM2714	Disast	er risk mana	agement cycle		(I20) Engir	neering Management, Master Academic Studies		
19.	IM2715	Modeling and simulation in risk manageme			nt	(OM1) Ma Studies	thematics in Engineering, Master Academic		
20	IMD972	Advan	cod rick acc	essment methods		(122) Engi	neering Management, Specialised Academic		
20.		Auvan				Studies (MPK) Inž	enjerstvo tretmana i zaštite voda - TEMPUS(uneti		
21.	MPK009	Enviro	mental haza	aras		naziv na ei	ngledskom), Master Academic Studies		
22.	MPK012	Solid v	vaste mana	gement		naziv na el	ngledskom), Master Academic Studies		
23.	MPK014	Monito	ring and sy	stem control		(MPK) Inž naziv na ei	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), 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 b	v the teacher in the accre	edited 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						
24.	MPK019	Disaster risk management	ter risk management (MPK) Inženjerstvo tretmana i zaštite voda - TEMPL naziv na engledskom), Master Academic Studies					
25.	ZCM06	Security of strategic energy facilities		(ZC0) Clean En Studies	ergy Technologies, Master A	Academic		
26.	IMDR72	Advanced risk assessment methods		(120) Industrial E Doctoral Acader	Engineering / Engineering Ma nic Studies	anagement,		
27.	ZRD233	Selected topics in the field of insurar standpoint of safety and health at wo	nce from the ork	(Z01) Safety at	Work, Doctoral Academic St	udies		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)					
1.	1. Marjanovic P., Miloradov M., Cukic Z., Sakulski D., Bogdanovic S.: "Integrated cadastre (Inventory System) for pollution sources in the Danube Basin in Yugoslavia", Water Science and Technology, Vol. 32 No 5-6 pp 265-275, IWA Publishing 1995							
2.	2. Sakulski D.: "Web-enabled GIS in Disaster Management", The Global Magazine for Geomatics, May 2005, Volume 19, Number 5							
3.	3. Sakulski D.: "Implementation of the multi-software solution for the on-the-fly calculation of the Standardized Precipitation Index (SPI) as a drought indicator for South African environment" ENVIROSOFT 2000, 2000, Bilbao, Spain							
4.	4. Sakulski D., "Development and implementation of a database driven web-enabled integrated system for air quality observation and analysis", International Conference on Air Pollution, 2001, Ancona, Italy							
5.	Sakulski South Afr	D. Stephenson D, Marjanovic P.: "We ica", The 5th International Mathematic	bMathematica as a Co ca Symposium, 2003,	ore Service for the London, UK	e Calculation of the Drought I	Indicator for		
6.	Sakulski – From H	D.: "South African National Disaster H lazard Assessment to Risk Reduction	lazard and Vulnerabilit , 2004, Karlsruhe, Ger	ty ATLAS", Interna many	ational Conference on Disas	ters and Society		
7.	Sakulski Internatio	D.: "Geo-Information as an Integral Connection of the connection o	omponent of the Natio or Disaster Manageme	nal Disaster Haza ent, 2005, Delft, N	rd and Vulnerability ATLAS" etherlands	', First		
8.	Sakulski	D.: "Analiza zaustavnog puta u funkcij	ji merodavnog vozila",	Put i saobraćaj, ŕ	1984			
9.	Sakulski	D.: "Ojačanje kolovoza upotrebom FV	V deflektometra", Put i	saobraćaj, 1986				
10.	Sakulski	D., Katic Z.: "Klasifikacija oštećenja ko	olovoza", Put i saobrad	ćaj, 1986				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:					
Quot	ation total :		0					
Tota	of SCI(SS	CI) list papers :	1					
Curre	Current projects : 0 International : 0							



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Simeunović V. Nenad					
Academic title:			Assistant Professor					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:			15.02.2001					
Scier	ntific or art f	ield:	Maar	1	Production Sy	/stems, Org	anization and Management	
Acad	iemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2012	Faculty of Technical Sci	ences - Novi Sa	ad	Management	
PhD	thesis		2012	Faculty of Technical Science	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	1999	Faculty of Technical Sci	ences - Novi Sa	ad	Material Binding Technologies	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1.	1914	Projec	t Managem	ent		(M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies	
2.	II1006	Proces	ssing Techr	ology Products		(110) Indus Studies	strial Engineering, Undergraduate Academic	
3.	IM1016	Produc	ction and Se	ervice Technologies		(I20) Engi Studies	neering Management, Undergraduate Academic	
						(GI0) Geodesy and Geomatics, Undergraduate Academic Studies		
1	IM1030	Fundamentals of Operations management				 (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies 		
4.	1011039							
							aster Risk Management and Fire Safety, uate Academic Studies	
5					(I10) Indus Studies	strial Engineering, Undergraduate Academic		
5.	1011105	103 Services Engineering				(I20) Engin Studies	neering Management, Undergraduate Academic	
	114440	\A/anta ((110) Industrial Engineering, Undergraduate Academ Studies		strial Engineering, Undergraduate Academic	
0.		VVOIK	Sludy and E	rgonomics		(I20) Engin Studies	neering Management, Undergraduate Academic	
7.	IM1312	Tools a	and Technic	ques of Project Manageme	ent	(I20) Engin Studies	neering Management, Undergraduate Academic	
8.	IM1318	Manag	jing Relatio	nships with Stakeholders		(I20) Engin Studies	neering Management, Undergraduate Academic	
9.	IM1321	Manag	gement of th	ne Project Team		(I20) Engin Studies	eering Management, Undergraduate Academic	
10	IM2123	Operat	tions manag	gement		(M50) Ene	ergy Management, Master Academic Studies	
				<u> </u>		Studies		
11.	ZR401A	Scienc	e on Work			(Z01) Safe	ety at Work, Undergraduate Academic Studies	
12.	PLM05	Manag	gement of P	LM Projects		(I1U) Indu and Develo	strial Engineering - Product Lifecycle Management opment, Master Academic Studies	
13.	PLM06	Techn	ologies for l	Disposal at the Products E	End-Of-Life	(I1U) Indu and Develo	strial Engineering - Product Lifecycle Management opment, Master Academic Studies	
14.	IM2123	Opera	tions manag	gement	(M50) Energy Management, Master Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies			
15.	IM2322	Event	Manageme	nt		(OM1) Ma Studies (I20) Engir	thematics in Engineering, Master Academic neering Management, Master Academic Studies	

AND THE STUDIO		UNIVERSITY OF NOVI SAD							
		FACULTY OF TECHNICAL SCI	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6						
		Study F	Study Programme Accreditation						
List of courses being held by the teacher in the accredited study programmes									
	ID	Course name		Study program	me name, study type				
16.	UP003	Organization of Events		 (I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies 					
Rep	oresentative	e refferences (minimum 5, not more th	ian 10)						
1.	Vukelić E in RFID e	., Ostojić G., Stankovski S., Lazarevid environment, Assembly Automation, 2	ć M., Tadić B., Hodolič 011, Vol. 31, No 1, pp.	J., Simeunović N 62-68, ISSN0144	 Machining fixture asseml 4-5154 	oly/disassembly			
2.	Simeunović N., Ćosić I., Radaković N., Lalić B.: The General Work Procedure Model for the Service Product, Beč, DAAAM International Scientific Book, 2009. str. 281-288, ISBN 987-3-901509-71-1, UDK: ISSN1726-9687								
3.	Ćosić, I.; Radaković, N.; Simeunović, N: THE SERVICE PRODUCT PLANNING WORK PLAN ANALYSIS, XIV međunarodna konferencija INDUSTRIJSKI SISTEMI IS 2008. Novi Sad: FTN GRID Novi Sad. 0203. oktobar. 2008								
4.	Radakov međunar	ić, N., Simeunović, N., Dakić, R., Pan odna konferencija INDUSTRIJSKI SIS	telić, I. »Sličnosti i razl STEMI IS 2005, Herce	ike u procesima p g Novi, 2005.	roizvodnje i pružanja usluga	a« XIII			
5.	Ćosić, I.; Annals o 2225. C	Radaković, N.; Simeunović, N.; Lalić, f DAAAM for 2008 & Proceedings of t lotober, 2008, str. pp 153- UDK: ISSN	B.: Creating the Servi he 19th International D 1726-9679, ISBN ISB	ce Product by Ap AAAM Symposiu N 978-3-901509-	plying the General Work Pro m, Vienna, Austria: DAAAM 68.	ocedure Model, International,			
6.	Vukelić, I Internatic 14. Nove	D., Vrečič, T., Hodolič, J., Simeunović nal Scientific Conference MECHANIC mber, 2008, str. CD- ROM, ISBN 978	, N., Križan, P.: A syst CAL ENGINEERING 20 -80-227-2987-1.	em for manufactu 008, Bratislava: T	ring process statistical quali he Faculty of Mechanical Er	ty control, 12 th ngineering, 13			
7.	Hodolič J., Ćosić I., Budak I., Matin I., Simeunović N., Hadžistević M., Vukelić Đ., Antić A., Bešić I.: Baza podataka sa softverskom aplikacijom kao podrška platformi za kontinualnu edukaciju FTN-a. 2010								
8.	Simeunović N., Budak I., Ćosić I., Hodolič J.: Razvoj novog pristupa u organizaciji kontinualnog obrazovanja, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 257-260, ISBN 978-86-7892-323-4								
9.	Simeunović N.: Istraživanje uslova za primenu metoda i tehnika operacionog menadžmenta u uslužnim sistemima, Novi Sad, FTN Novi Sad, 2012								
10.	Razvoj o	pšteg modela postupaka rada za razli	čite vrste proizvoda						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:						
Quot	ation total :		4						
Curr	ent projecte	. ist papers :	Domestic ·	2	International ·	2			
June		•	Domosilo.	-	international.	1 -			



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:			Simić S. Srboljub					
Academic title:			Full Professor					
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:					25.11.1993			
Scienti	ific or art fi	ield:			Mechanics			
Acade	mic cariee	er	Year	Institution			Field	
Acade	mic title el	ection:	2010	Faculty of Technical Scie	ences - Novi Sa	ad	Mechanics	
PhD th	nesis		1999	Faculty of Technical Scie	ences - Novi Sa	ad	Mechanics	
Magist	ter thesis		1997	Faculty of Mathematics	Beograd		Mechanics	
Bache	lor's thesis	S	1993	Faculty of Technical Scie	ences - Novi Sa	ad	Mechanical Engineering	
List of	courses b	eing hei	d by the tea	acher in the accredited stu	idy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1	F104	Mecha	nics			(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies	
	2104	Weena				(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies	
2.	GG07	Mecha	nics 1			(G00) Civi	I Engineering, Undergraduate Academic Studies	
3.	M4305	Therm	omechanic	S		(M40) Teo Undergrad	hnical Mechanics and Technical Design, uate Academic Studies	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
	7108	Funda	mentals of	Mechanics		(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
	2100	i unua	undamentals of mechanics			(Z20) Environmental Engineering, Undergraduate Academic		
						Studies		
5.	M44031	Analytical mechanics				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
6.	M4505	Modelling of non-linear systems				(M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies	
7.	BMIM4A	Transport phenomena and Living systems				(BM0) Bio	medical Engineering, Master Academic Studies	
						(M00) Med	chanical Engineering, Doctoral Academic Studies	
8.	DM407	Nonlin	ear Mechar	nics with Nonconservative	Properties (M40)		(M40) Technical Mechanics, Doctoral Academic Studies	
						(OM1) Mathematics in Engineering, Doctoral Academic Studies		
9.	DSIM8	Selected Chapters in Dynamics and Control (M40) Technical Mechanics. Doctoral Academic Studies						
10.	DZ003	103 Selected Chapters in Mechanics (M00) Mechanical Engineerin				chanical Engineering, Doctoral Academic Studies		
Repr	esentative	reffere	nces (minin	num 5, not more than 10)		, ,		
	Srboliub S	S. Simić	: Analitička	mehanika: dinamika. stat	oilnost. bifurkac	iie. Fakultet	tehničkih nauka. Novi Sad 2006 Edicija	
1.	"Tehničke	e nauke	 udžbenici 	", 415 str., ISBN 86-85211	1-83-2		······, _···, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _····, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _····, _···, _····, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _··, _···, _··, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _···, _··, _···, _···, _···, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _···, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _··, _·, _	
2.	Srboljub S udžbenici	S. Simić i", 273 s	, Ratko B. I tr., ISBN 97	Maretić: Osnove mehanike '8-86-7892-147-6	e, Fakultet tehn	iičkih nauka	, Novi Sad 2008., Edicija "Tehničke nauke -	
3.	B.D. Vuja TENSOR	novic, T (NS), 5	⁻ . Kawaguc 8 (3), pp. 2	hi, S.S. Simic (1997), A Cl 43-252.	ass of Conserv	ation Laws	of Linear Time-Dependent Dynamical Systems,	
4.	T.M. Atar pp. 903-9	nackovic 13.<\en	, S.S. Simi₀ g>	c (1999), On the optimal s	hape of a Pflüg	jer column,	European Journal of Mechanics, A/Solids, 18 (5),	
5.	S.S. Simi Internatio	c (2002) nal Jour), On the sy nal of Non-I	mmetry approach to polyr ∟inear Mechanics, 37, pp.	nomial conserv 197-211.<\eng	ation laws o	f one-dimensional Lagrangian systems,	
6.	T. Rugge	ri, S. Sir ynamics	mić (2004), , 16, pp. 12	Non Linear Wave Propag 25-148.<\eng>	ation in Binary	Mixtures of	Euler Fluids, Continuum Mechanics and	
7.	T. Rugge temperati	ri, S. Sir ure mod	nić (2007), els, Mather	On the Hyperbolic system	of a mixture o	f Eulerian fli 30, pp. 827	uids: a comparison between single- and multi- 7-849.<\eng>	
8.	T. Rugge E. vol. 80	ri, S. Sir 02631	mić (2009) /	Average temperature and	Maxwellian iter	ration in mu	Ititemperature mixtures of fluids, Physical Review	
9.	T. Atanac Nöther's f	ković, S	6. Konjik, S. , Nonlinear	Pilipović, S. Simić (2009) Analysis: Theory. Method	Variational pro	blems with ions, vol. 71	fractional derivatives: Invariance conditions and , pp. 1504-1517	
10.	S. Simić ((2009) S	Shock struct	ure in continuum models	of gas dynamic	s, Nonlinea	rity, vol. 20, pp. 1337-1366	
Sumr	mary data	for teac	her's scient	ific or art and professiona	l activity:			

STAS STOD ORUM S			WHIKHX H			
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
	Study Programme Accreditation				Con	
PLANTER	UNDERGRADUATE ACADEMIC STUDIES Clean Energy Technologies			HOS		
Quotation total :		7				
Total of SCI(SSCI)	list papers :	9				
Current projects :		Domestic :	1	International :	1	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	Name and last name:			Sokolović S. Dunja				
Acad	Academic title:			Assistant Professor				
Name of the institution where the teacher works full time and			Faculty of Technical Sciences - Novi Sad					
starting date:					01.11.2012			
Acad		ieiu.	Vear	Institution	FIDCESS TECH	inics	Field	
Acad	lemic title el	ection:	2012	Faculty of Technical Sci	ences - Novi Si	he	Process Technics	
PhD	thesis		2012	Faculty of Technology -	Novi Sad	au		
Bach	elor's thesis		2007	Faculty of Technology -	Novi Sad			
List	of courses b	eina he	d by the te	acher in the accredited stu	idv programme	S		
LIOU		onig no						
	ID	Course	e name			Study pro	gramme name, study type	
						(M30) Ene	ergy and Process Engineering, Undergraduate	
1.	M3301	Pumpi	ng and Con	pression Stations		Academic	Studies	
		•	U U			(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
2	M3303	Funda	mentals of I	Process Engineering		(M30) Ene	ergy and Process Engineering, Undergraduate	
2.	1110000					Academic	Studies	
3.	M3315	Funda Industi	mentals in I	cological Oil Analysis an	a Gas	(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M3403	Fluid N	lachines			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	M3498	Indust	rial Process	Technology		(M30) Ene	ergy and Process Engineering, Undergraduate Studies	
					(M30) Energy and Process Engineering, Master Academic			
6.	6. M3517		Construction in energy and process engineering			(ZC0) Clean Energy Technologies, Undergraduate		
						Academic Studies		
-	140547	Ormati				(M30) Energy and Process Engineering, Master Academic Studies		
7.	IVI3517	Construction in energy and process enginee			enng	(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
8.	M3599	9 Energy efficient separation process					ergy and Process Engineering, Master Academic	
9.	DM313	Proces	s Kinetics			(M00) Med	chanical Engineering, Doctoral Academic Studies	
Rep	oresentative	reffere	nces (minin	um 5, not more than 10)				
1.	Sokolović	D., Hö	flinger W., Z	avargo Z., Šećerov Soko	lović R.: Uticaj	ventilacije l	komore mašine alatke na osobine SHP aerosola,	
2.	Sokolović Hemijska	D., Šeo	ćerov Sokol ija, 2012, D	ović R., Sokolović S.: Pro OI:10.2298/HEMIND1202	oučavanje reolo 16070S, ISSN	` oških osobin 0367-598X.	a nestabilnih emulzija mineralnog porekla ,	
3.	Šećerov 3 geometry	Sokolov , Journa	ić R., Gove al of Hazard	darica D., Sokolović D.: S ous Materials, 2010, Vol.	Separation of oi 175, No. 1-3, p	I-in-water er	mulsion using two coalescers of different 06, ISSN: 0304-3894.	
4.	Govedari Flow thro	ca D., Š ugh Fib	ećerov Sok er Beds. In	olović R., Sokolović D., S dustrial & Engineering Ch	okolović S.: Ev emistry Resea	aluation of t rch, 2012. d	he Separation of Liquid-Liquid Dispersions by x.doi.org/10.1021/ie3026967. ISSN: 0888-5885.	
	Govedari	ca D., Š	ećerov Sok	olović R., Sokolović D., S	okolović S.: A	Novel Appro	bach for the Estimation of the Efficiency of	
5.	Steady-S http://dx.o	tate Fib doi.org/1	er Bed Coa 10.1016/j.se	lescence, Separation and ppur.2012.11.034	Purification Te	chnology, 2	012, ISSN 1383-5866, UDK:	
6.	Sokolović INDUSTF	S., Zav RY, The	/argo Z., So rmal Scienc	kolović D.: SUSTAINABL e, 2012, Vol. 16, Suppl. 1	E DEVELOPN , pp. S131-S13	IENT, CLEA 9, ISSN 03	N TECHNOLOGY AND KNOWLEDGE FROM 54-9836	
7.	Sokolović Internacio	D., Go Dal Sol	vedarica D. id Waste As	Sustainable waste man sociation-ISWA, 10-11 D	agement and p ecembar, 2009	etroleum slu , pp. 176-18	udge, 1. ISWA Beacon Conference, Novi Sad: 33	
8.	Šećerov Filtration	Sokolov Congre	ić R., Sokol ss, Graz: 11	ović S., Sokolović D.: Wa th World Filtration Congre	aste polymer fib ess - Session F	orous as filte 2L03 - Solid-	r media for oily water separation, 11. World Liquid Separation III, 17-20 April, 2012	
9.	Sokolović SEPARA Engineer	D., Šeo TION B	ćerov Sokol Y STEADY- e ANQUF	ović R., Govedarica D.: II STATE BED COALESCE Seville, 24-27 Jun 2012	NFLUENCE OF RS TWO DIFF	F INLET OIL ERENT GE 8-84-695-34	CONCENTRATION ON OILY WATER OMETRY, 1. International Congress of Chemical 53. UDK: T132-T133	
10.	Sokolović	D., Šeo nal Con	ćerov Sokol gress of Ch	ović R.: NEW TECHNOL lemical Engineering of the	OGY FOR HIG ANQUE, Sevi	H ORGANI Ile, 24-27 Ju	C LOAD WASTEWATER TREATMENT, 1. Jn, 2012, ISBN ISBN: 978-84-695-353, UDK:	
	str.T742-T743							



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

Study Programme Accreditation

Clean Energy Technologies

nany data for teacher's scientific or art and professional activity

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 :	International :	1							


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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Spasojević Đ. Momčilo			
Academic title:					Assistant Professor			
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad			
starti	ng date:	ioldi			11.03.1981			
Scier	ntific or art f	ield:		1	Process Tech	INICS		
Acad	emic caries	er	Year	Institution				
Acad	emic title el	lection:	2010	E 14 (T 1 - 10)	N : 0		Process Technics	
PhD	thesis		2010	Faculty of Technical Sci	ences - Novi Sa	ad	Process Technics	
Magi	ster thesis	_	2004	Faculty of Technology -	NOVI Sad	a d		
Bach		S	1978	Faculty of Technical Scie	ences - Novi Sa	ad	Process Technics	
LIST	or courses b	eing nei	a by the tea	acher in the accredited stu	idy programme	es		
	ID	Course	e name			Study pro	gramme name, study type	
						(M30) Ene	ergy and Process Engineering, Undergraduate	
1.	M210	Therm	odynamics			(M40) Tec Undergrad	choical Mechanics and Technical Design, uate Academic Studies	
2	72044	Dropor	nation of dia	turbanasa		(ZC0) Cle	an Energy Technologies, Undergraduate	
۷.	2004A	Fiohaí	Jation of dis			Academic	Studies	
3.	Z306	Proces	s Engineer	ing		(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic	
	70004	-	_ ·			(Z01) Safe	ety at Work, Undergraduate Academic Studies	
4.	Z306A	Proces	s Engineer	ing		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
						(ZC0) Clea	an Energy Technologies, Undergraduate	
5.	Z311	Process Systems and Equipment				(Z20) Environmental Engineering, Undergraduate Academic		
						Studies		
6.	ZOI312	Thermal Power Plants				(Z20) Environmental Engineering, Undergraduate Academic Studies		
7.	ZOI31A	Thermal power plants				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
8.	M3203	Technology of machinery				(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
9.	M3498	Industi	ial Process	Technology		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
						(M30) Ene Studies	ergy and Process Engineering, Master Academic	
10.	M3517	Constr	uction in en	ergy and process engine	ering	(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
11.	Z501	21BPr	otection Sys	stem Design		(Z20) Envi	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	Diffusio	on apparatu	IS		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
						(M30) Ene Studies	ergy and Process Engineering, Master Academic	
15.	M3517	Constr	uction in en	ergy and process engined	ering	(ZC0) Clea	an Energy Technologies, Undergraduate Studies	
Rer	presentative	e reffere	nces (minim	um 5. not more than 10)				
1.	Sovilj, M.	, Spasoj	jević, M.: "P	roduction and application	of essential oil	s from the c	lomestic medicinal plant", Journal of proceess	
2.	Daković, D., Dimić, M., Spasojević, M.: "Possibility of exergy analysis application on thin-layer drying process" – 4th International							
3.	Spasojev	ić, M.: "l i izgradi	Realizacija nji. Objekat	Vrelovodnog energetskog je od izuzetnog međunaro	postrojenja, N odnog značaja	ovosadska jer je to naj	toplana, Novi Sad", u skladu sa Zakon o veće vrelovodno energetsko postrojenje u Evropi,	
	2007.god, R51a							

STO ORUM		UNIVERSITY OF NOVI SAD					
		FACULTY OF TECHNICAL SC	ENCES 21000 NOVI S	NCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation					
5	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	HO	
Re	presentative re	efferences (minimum 5, not more th	an 10)				
4.	Spasojević, skladu sa Z	, M.: "Realizacija Poluindustrijskog i Zakon o planiranju izgradnji. Objeka	ektifikacionog postroje t je od izuzetnog znača	nje, Laboratorija ija jer je jedinstve	Tehnološkog fakulteta u No en u ovom delu Evrope, 199	ovom Sadu", u 92.god, R51b	
5.	2.Đaković, Časopis za vol. 12, br.	D., Spasojević, M., Štrbac, D., Dimi procesnu tehniku i energetiku u po 4, str. 233-235, (2008),	ć, M., Primena eksergi ljoprivredi / PTEP, Čas	jske analize na p opis za procesnu	roces sušenja kukuruza u ta tehniku i energetiku u poljo	ankom sloju, oprivredi / PTEP,	
6.	Spasojević, trays, is aco	, M., Janković, M., Djaković, D., A n cepted for publication in the journal	ew approach to entrop Thermal Science. Pap	y production mini er will be printed i	mization in diabatic distillati in Vol. 14, No. 4, (2010)	ion column with	
7.	Sovilj, M., N Internationa	Nikolovski, B., Spasojecić, M., Supe al Conference of SSCHE, May 24 -	rcritical carbon dioxide 28, 2010 , Tatranské N	extraction of the latliare, Slovak R	selected spice plant materi epublic	als, 37th	
8.	Sovilj, M., Nikolovski, B., Spasojecić, M., Nadkritična ekstrakcija nekih začinskih biljaka sa ugljendioksidom, XLVIII savetovanje Srpskog hemijskog društva, Novi Sad 17-18 april 2010						
9.	Damir Đaković, Jovan Petrović, Momčilo Spasojević, Some thermodynamic properties of water during corn drying					I	
10.	0. Aleksandar Anđelković, Momčilo Spasojević, Heat supply safety in district heating systems of Vojvodina province						
Su	Summary data for teacher's scientific or art and professional activity:						
Quotation total :							
Tota	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

Clean Energy Technologies

Name and last name:					Stojaković M. Mila		
Academic title:					Full Professor		
Name of the institution where the teacher works full time and					Faculty of Technical Sciences - Novi Sad		
starting date:					01.12.1975		
Scier	ntific or art f	ield:			Mathematics		
Acad	lemic caries	er	Year	Institution			Field
Acad	lemic title e	lection:	1993	Faculty of Technical Sci	ences - Novi S	ad	Mathematics
PhD	thesis		1980	Faculty of Sciences - No	ovi Sad		Mathematical Sciences
Magi	ster thesis		1978	Faculty of Mathematics	- Beograd		Mathematical Sciences
Bach	elor's thesis	S	1975	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		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies
						(MR0) Me	asurement and Control Engineering,
2.	E135	Probat	oility, Statis	tics and Stochastic Proces	sses	(E10) Pow	or Electronic and Telecommunication
						Engineerin	g, Undergraduate Academic Studies
	50044	N 4 - 41		haria O		(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
3.	EZZTA	Mathe	matical Ana	iiysis z		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies
						(E20) Con Academic	nputing and Control Engineering, Undergraduate Studies
	50044	Duchal		htia Daa		(ES0) Pov Academic	ver Software Engineering, Undergraduate Studies
4.	EZZ4A					(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies
						(SEL) Sofi Loznica, U	tware Engineering and Information Technologies - ndergraduate Academic Studies
5.	ZC006	Probat	oility, Statis	tics and Random Process	es	(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies
6.	0M504	Opera	tional Rese	arch		(OM1) Ma Studies	thematics in Engineering, Master Academic
7.	0M505	Stocha	astic Proces	sses		(OM1) Ma Studies	thematics in Engineering, Master Academic
8.	0ML504	Opera	tional Rese	arch		(OM1) Ma Studies	thematics in Engineering, Master Academic
9.	0ML505	Stocha	astic Proces	sses		(OM1) Ma Studies	thematics in Engineering, Master Academic
						(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies
	DZAANA	0-1		a in Mathematics		(112) Indus	strial Engineering, Specialised Academic Studies
10.	DZ01MS	Select	ed Chapters	s in Mathematics		(I22) Engi Studies	neering Management, Specialised Academic
						(Z00) Env Studies	ironmental Engineering, Specialised Academic
						(F20) Eng	ineering Animation, Master Academic Studies
11.	IAM005	Mathe	matical Gar	ne Theory		(OM1) Ma Studies	thematics in Engineering, Master Academic
12.	SD0M03	Opera	tional Rese	arch		(GI0) Geo Studies	desy and Geomatics, Specialised Academic
13.	SD0M15	Statistics				(GI0) Geo Studies	desy and Geomatics, Specialised Academic
14.	ZR503	Statist	ical Advanc	ed Models		(Z01) Safe	ety at Work, Master Academic Studies
15.	D0M03	Operational Research				(OM1) Ma Studies	thematics in Engineering, Doctoral Academic

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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

Clean Energy Technologies

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

LIST	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study programme name, study type			
16.	D0M04	Random Processes		(OM1) Mathematics in Engineering, Docto Studies	oral Academic		
17.	D0M15	Statistics		(OM1) Mathematics in Engineering, Docto Studies	oral Academic		
18.	D0M27	StatisticsApplied in Engineering		(OM1) Mathematics in Engineering, Docto Studies	oral Academic		
19.	DAU004	Selected Chapters in Mathematics 2		(E20) Computing and Control Engineering Academic Studies	g, Doctoral		
				(H00) Mechatronics, Doctoral Academic S	Studies		
20.	DOM59	Fixed point theory		(OM1) Mathematics in Engineering, Docto Studies	oral Academic		
				(E10) Power, Electronic and Telecommur Engineering, Doctoral Academic Studies	nication		
				(E20) Computing and Control Engineering Academic Studies	g, Doctoral		
				(F00) Graphic Engineering and Design, D Studies	octoral Academic		
				(F20) Engineering Animation, Doctoral Ac	ademic Studies		
	DZ01M			(G00) Civil Engineering, Doctoral Academ	nic Studies		
				(GI0) Geodesy and Geomatics, Doctoral	Academic Studies		
21		Selected Chapters in Mathematics		(H00) Mechatronics, Doctoral Academic S	Studies		
21.		Selected Chapters in Mathematics		(120) Industrial Engineering / Engineering Doctoral Academic Studies	Management,		
				(M00) Mechanical Engineering, Doctoral	Academic Studies		
				(M40) Technical Mechanics, Doctoral Aca	demic Studies		
				(OM1) Mathematics in Engineering, Docto Studies	oral Academic		
				(S00) Traffic Engineering, Doctoral Acade	emic Studies		
				(Z00) Environmental Engineering, Doctora Studies	al Academic		
				(Z01) Safety at Work, Doctoral Academic	Studies		
Rep	oresentative	e refferences (minimum 5, not more th	an 10)				
1.	Mila Stoja	aković, Decomposition and representa	ation of fuzzy valued m	asure, Fuzzy Sets and Systems, 112(200	0) 251-256		
2.	Mila Stoja	aković, Fuzzy conditional expectation,	Fuzzy Sets and Syste	ns, 52(1992) 49-54			
3.	Mila Stoja	aković, Fuzzy random variable, expec	tation, martingales, J.M	ath.Anal.Appl., 184(1994) 594-606.			
4.	Mila Stoja	aković, Fuzzy martingales, Stochastic	Analysis and Applicati	ns, 14(1996), 355-368.			
5.	Mila Stoja	aković, Zoran Stojaković, Support fund	ction for fuzzy set, Pro	eedings of Royal Society, London A, 452(1996), 421-438.		
6.	Mila Stojaković, Zoran Stojaković, Addition and series of fuzzy sets. Fuzzy Sets and Systems, 83(1996) 341-346						
7.	Mila Stoja	aković, Representation of fuzzy valued	d mappings, Fuzzy Set	and Systems, 98(1998) 375-381.			
8.	Mila Stojaković, Fuzzy valued measure, Fuzzy Sets and Systems 65(1994) 95-104						
9.	Mila Stoja 88.	aković, Common fixed point theorems	in complete metric an	probabilistic spaces,Bull. Australian Math	. Soc.,36(1987)73-		
10.	 Mila Stojaković, Zoran Ovcin, Fixed point theorems and variational principle, Fuzzy Sets and Systems, 66(1994)353-356. 						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	Quotation total : 71						
Total	of SCI(SS	CI) list papers :	16				
Curre	ent projects	:	Domestic :	1 International :	1		



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Stojaković Z. Vesna		
Academic title:					Assistant Professor		
Name of the institution where the teacher works full time and F					Faculty of Technical Sciences - Novi Sad		
starting date: 01.06.2							
Scier	ntific or art f	ield:			Geometric Sp	ace Theory	and Interpretation in Architecture and Urbanism
Acad	emic cariee	er	Year	Institution			Field
Acad	emic title el	ection:	2011				Geometric Space Theory and Interpretation in Architecture and Urbanism
PhD	thesis		2011	Faculty of Technical Sci	ences - Novi S	ad	Architecture
Bach	elor's thesis	5	2004	Faculty of Technical Science	ences - Novi S	ad	Architecture
Magi	ster thesis		-				Architecture
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s	
	ID	Course	e name			Study pro	gramme name, study type
1.	A555	Perspe	ective			(GI0) Geo Studies	desy and Geomatics, Undergraduate Academic
2.	GG03	Descri	ptive Geom	etry		(G00) Civi	I Engineering, Undergraduate Academic Studies
3.	IA017	Image	Based Mod	leling		(F10) Eng Studies	ineering Animation, Undergraduate Academic
4.	IGA003	Comp	uter Image I	Processing in Engineering	g Animation	(F10) Eng Studies	ineering Animation, Undergraduate Academic
5.	Z418	Geom	etry of Eco-	spatial Visualization		(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic
6.	IA006	Spatia	I Shape De	sign		(F10) Eng Studies	ineering Animation, Undergraduate Academic
7.	IA007	Geom	etry and Vis	ualization of 3D Space		(F10) Eng Studies	ineering Animation, Undergraduate Academic
8.	A210	Art techniques of drawing and architectural			presentations	(A00) Arch	nitecture, Undergraduate Academic Studies
9.	A210S	Art tec	hniques of	drawing and architectural	presentations	(A00) Arch	nitecture, Undergraduate Academic Studies
10.	A342	Archite	ectural repre	esentations 1 - basic level		(A00) Arch	nitecture, Undergraduate Academic Studies
11.	A342S	Archite	ectural repre	esentations 1 - Advanced	level	(A00) Arch	nitecture, Undergraduate Academic Studies
12.	A377	Archite	ectural repre	esentations 3		(A00) Arch	nitecture, Undergraduate Academic Studies
13.	A555	Perspe	ective			(A00) Arcł	nitecture, Undergraduate Academic Studies
14.	IA003	Perspe	ective			(F10) Eng Studies	ineering Animation, Undergraduate Academic
15.	ZC007	Engine	eering Grap	hic Communications		(ZC0) Clea	an Energy Technologies, Undergraduate Studies
16.	A291	Repres	sentation of	a Wider Physical Environ	iment	(AD0) Digi Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies
17.	IA254	Preser Space	ntation Tech	iniques of Architectural ar	nd Urban	(F20) Eng	ineering Animation, Master Academic Studies
18.	A116DS	Moder	n technique	s of the geometric space		(A00) Arch	hitecture, Specialised Academic Studies
		repres	entation			Studies	
19.	A118SB	Geom	etric theorie	s in architectural structure	es' generation	(A00) Arch	nitecture, Specialised Academic Studies
20.	AD0001	Digital	Design in A	Architecture and Urban Pla	anning	(AD0) Digi Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies
21.	AD0002	Archite	ectural Visu	alization		(AD0) Digi Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies
22.	AD0004	Gener	ative desigr	in architecture and urbar	nism	(AD0) Digi Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies
23.	AD0011	Modeling Based on Perspective Images				(AD0) Dig Architectur	ital Techniques, Design and Production in e and Urban Planning, Master Academic Studies
24.	AD0012	Dynam	nic Analysis	and Simulation in Archite	ecture	(AD0) Dig Architectur	tal Techniques, Design and Production in e and Urban Planning, Master Academic Studies
25.	A116B	Geom	etric Theorie ation	es in Architectural Structu	res'	(A00) Arch	nitecture, Doctoral Academic Studies

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Citan Line by Technologies							
List c	List of courses being held by the teacher in the accredited study programmes						
	ID	Course name		Study program	me name, study type		
26	A116F	Modern techniques of the geometric	space	(A00) Architectu	ire, Doctoral Academic Stud	lies	
20.	, THOE	representation		(AS0) Scenic De	esign, Doctoral Academic S	tudies	
27.	AID03	3D representation of the real world e	environment	(F20) Engineeri	ng Animation, Doctoral Aca	demic Studies	
Rep	oresentative	refferences (minimum 5, not more th	an 10)				
1.	V. Stojak Novi Sad	cović, B. Tepavčević, Image-based mo , Journal of Cultural Heritage, 12, ISS	odeling approach in cro N: 1296-2074, doi:10.	eating 3D morpho 1016/j.culher.2010	genetic reconstruction of Li 0.06.001, 2011, str. 105-110	berty Square in). (M22)	
2.	V. Stojak 1433-815	ković, R. Štulić, Virtual Reconstruction 57, 2010, str.81-91.	of Kljajicevo Chapel,	Journal for Geom	netry and Graphic, Vol. 14, I	No 10, ISSN	
3.	V. Stojaković, Terrestrial Photogrammetry and Application to Modeling Architectural Objects, Facta Univesitatis, Series architecture and civil engineering, Vol. 6, No 1, ISSN 0354 – 4605, UDC 528.711:72.01+721(045)=111, Univerzitet u Nišu, Niš, 2008, str. 113-125						
4.	V. Stojak str. 65- 72	ović, 3D Modeling Based on Photogra 2.	aphic data, Novi Sad Jo	ournal of Mathem	atic, ISSN 1450-5444, Vol.	38, No.3, 2008,	
5.	Nedučin D., Stojaković V., Štulić R.: On reform of structure and content of the course of descriptive geometry, Pollack Periodica, Akademiai Kiado, ISSN 1788-1994) www.akademiai.com (SCOPUS), 2012, Vol. 7, pp. 85-93, ISSN 1788-1994						
6.	Marcijuš Periodica	I., Stojaković V., Štulić R.: Linear gec , Akademiai Kiado, ISSN 1788-1994)	metric perspective in a www.akademiai.com	architectural curric SCOPUS), 2012,	cula and spatial skills devel , Vol. 7, pp. 77-84, ISSN 17	opment, Pollack 88-1994	
7.	Stojakovi PRAKSA	ć V.: Virtuelne trodimenzionalne repr , 2009, Vol. 12, No 1, pp. 208-211, IS	ezentacije arhitektonsł SN 1451-8341	kih objekata kreira	ane na osnovu perspektivnih	n slika, NAUKA	
8.	Stojaković V., Tepavčević B.: GENERATION AND APPLICATION OF DYNAMIC VIRTUAL RECONSTUCTIONS OF URBAN PUBLIC SPACES, UNAPREĐENJE STRATEGIJE OBNOVE I KORIŠĆENJA JAVNIH PROSTORA U PROSTORNOM I URBANISTIČKOM PLANIRANJU I PROJEKTOVANJU, Novi Sad, Faculty of Technical Sciences, 2011, str. 69-86, ISBN 978-86- 7892-254-1						
9.	V. Stojaković, Importance of Restitution in Cultural Heritage Research and Visualisation, S.A.V.E. Heritage - Safeguard of Architectural, Visual, Environmental Heritage, Capri, Italy, 2011, pp. 1-7.						
10.	V. Stojaković, B. Tepavčević, Single Image Ambiguity and Adjustment of Cultural Heritage Modeling Approach, Education and Research in Computer Aided Architectural Design in Europe - eCAADe, Ljubljana, 2011, pp. 99-106.						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:				
Quot	Quotation total : 0						
Total	Total of SCI(SSCI) list papers : 2						
Current projects : Domestic : 2 International : 0						0	



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

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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Šafranj F. Jelisaveta			
Academic title:					Assistant Professor			
Name of the institution where the teacher works full time and				acher works full time and	Faculty of Teo	Faculty of Technical Sciences - Novi Sad		
starting date:					15.10.2000			
Scier	ntific or art f	ield:			English			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	English	
PhD	thesis		2008	Faculty of Philology - Be	eograd		English	
Magi	ster thesis		2000	Faculty of Philology - Be	eograd		English	
Educ Thes	ation Speci	alist	1994	Faculty of Philology - Be	eograd		English	
Bach	elor's thesis	S	1982	Faculty of Philosophy - I	Novi Sad		English	
List o	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	S		
	ID	Course	e name			Study pro	oramme name. study type	
1.	AEJ1L	Englis	h Language	e - Elementary		(A00) Arch	nitecture, Undergraduate Academic Studies	
2.	AEJ2L	Englis	h Language	intermediate		(A00) Arch	nitecture, Undergraduate Academic Studies	
3.	AEJ2Z	Englis	h intermedia	ate		(A00) Architecture, Undergraduate Academic Studies		
4.	AEJ3Z	Englis	h Language	e - upper intermediate		(A00) Architecture, Undergraduate Academic Studies		
		English Language – Elementary				(G00) Civi (M20) Mee Undergrad	I Engineering, Undergraduate Academic Studies chanization and Construction Engineering, uate Academic Studies	
						(M30) Energy and Process Engineering, Undergraduate Academic Studies		
5.	EJ01L					 (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies 		
						(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
						(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
						(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Undergraduate Academic Studies	
						(F00) Gra Academic	phic Engineering and Design, Undergraduate Studies	
						(MR0) Me Undergrad	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) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
						(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	



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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List o	ist of courses being held by the teacher in the accredited study programmes						
	ID	Course name	Study programme name, study type				
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate				
			Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies				
7.	EJ02L	English Language – Pre-Intermediate	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies				
			(Z01) Safety at Work, Undergraduate Academic Studies				
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies				
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies				
			(Z20) Environmental Engineering, Undergraduate Academic Studies				
			(110) Industrial Engineering, Undergraduate Academic Studies				
8	EJ02Z	English Language – Pre-Intermediate	(I20) Engineering Management, Undergraduate Academic Studies				
0.			(S00) Traffic and Transport Engineering, Undergraduate Academic Studies				
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies				
	EJ03Z	English Language - Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies				
9.			(Z01) Safety at Work, Undergraduate Academic Studies				
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies				
			(Z20) Environmental Engineering, Undergraduate Academic Studies				
			(F00) Graphic Engineering and Design, Undergraduate Academic Studies				
			(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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UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List of severe scholar hald by the teacher is the severalited study presseveres
List of courses being heig by the feacher in the accredited study programmes

	ID	Course name	Study programme name, study type
			(E20) Computing and Control Engineering, Undergraduate
			(F10) Engineering Animation, Undergraduate Academic Studies
12.	EJ2L	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
13.	EJ2Z	English Language – Intermediate	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
	EJ3L		(F10) Engineering Animation, Undergraduate Academic Studies
14.		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
22		English Language - ESD Course	(M30) Energy and Process Engineering, Undergraduate Academic Studies
23.	EJIVI		(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

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

2.50	st of courses being heid 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				
24		English fan Chaolffe Dumanaa	(110) Industrial Engineering, Undergraduate Academic Studies				
34.	EJIIW	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				
	EJ1Z		(E20) Computing and Control Engineering, Undergraduate Academic Studies				
		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				
Rei	resentative	e refferences (minimum 5, not more than 10)					



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

Study Programme Accreditation



.01	LANTEN	UNDERGRADUATE ACADEMIC STUDIES		Cle	ean Energy Technologies	HOS			
Rep	presentative r	efferences (minimum 5, not more th	an 10)						
1.	Analiza dis	kursa udžbenika engleskog jezika, l	Monografija, Zadužbin	a Andrejević, Bec	ograd 2006.				
2.	Retorička c	organizacija poslovne vesti, Monogra	afija, Zadužbina Andre	jević, Beograd 20	009.				
3.	Engleski jezik za GRID 3 - Academic Writing for Graphic Engineering and Design, FTN Izdavaštvo, Novi Sad 2012.								
4.	Using Internet in English Language Teaching, NEW EDUCATIONAL REVIEW, (2011), vol. 26 br. 4, str. 45-59.								
5.	Reflections of English Language Teachers Concerning Computer Assisted Language Learning (Call), NEW EDUCATIONAL REVIEW, (2011), vol. 23 br. 1, str. 269-282.								
6.	Pragmatički aspekt udžbenika engleskog jezika, Pedagogija, 2009, 1, str.133-145.								
7.	Students' C Zbornil	Communicative Competence, k Instituta za pedagoška istraživanja	a, 2009, 1, str. 180-19	5.					
8.	Retorička a	naliza lida poslovne vesti, Zbo	rnik Matice Srpske za	filologiju i lingvist	iku, 2011, 1, str.191-210.				
9.	Some Aspe elektronika	ects of Technical Statements in Pow Ee 2001, str.150-153.	ver Engineering, Zborn	ik radova, XI Meo	đunarodni simpozijum Energ	jetska			
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.								
Sur	nmary data fo	or teacher's scientific or art and profe	essional activity:						
Quot	ation total :		0						
Tota	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

Clean Energy Technologies

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





Rep	Representative refferences (minimum 5, not more than 10)								
8.	S. R. Lukić, D. M. Petrović, D. D. Štrbac, V. B. Petrović, F. Skuban, Dependence of thermal stability and thermomechanical characteristics of non-crystaline chalcogenides in the Cu-As-Se system on copper content, Journal of Thermal Analysis and Calorymetry, 82 (2005)								
9.	A. Djordjevic, M. Vojinovic-Miloradov, A. Kapor, D. Lazar, D. Petrovic, V. Djordjevic Milic, Crucial role of alkyl –supstituted benzenes in the formation of intercalate drivatives of C60; Materials Science Forum, 453-454 (2004)								
10.	S. Lukić, D. Petrović, V. Petrović, D. D. Petrović, Dispersion of refractive index of the non-crystalline chalcogenides in Cu-As-Se system, Material Science Forum, 453-454 (2004)								
Sur	nmary data for teacher's scientific or art and profe	essional activity:							
Quot	ation total :	13							
Total	of SCI(SSCI) list papers :								
Curre	ent projects :	Domestic :	3	International :	0				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	Name and last name:				Turk-Sekulić M. Maja			
Acad	emic title:		·		Assistant Pro	fessor		
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Tee	chnical Scie	nces - Novi Sad	
starti	ng date:				28.12.2004			
Scier	ntific or art f	ield:			Environment	Protection E	ngineering	
Acad	emic cariee	er	Year	Institution			Field	
Acad	emic title el	ection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Environment Protection Engineering	
PhD thesis 2009 Faculty of Technical So			Faculty of Technical Scie	ences - Novi Sa	ad	Chemical, Physical and Biological principles in Environment Protection Engineering		
Magister thesis 2006 University of Novi Sad -			Novi Sad		Chemical, Physical and Biological principles in Environment Protection Engineering			
Bach	elor's thesis	6	2003	Faculty of Technology -	Novi Sad		Technological Engineering	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	idy programme	S		
	ID	Course	e name			Study pro	gramme name, study type	
1.	URZP61	Funda	mentals of t	the Burning Processes Th	eory	(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
2.	Z102	Techn	ical Chemis	try		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
3.	Z109	Chemi	cal Principle	es in Environmental Engir	eering	(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
4.	Z305	Data Analysis of Environmental Condition				(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
						(Z01) Safe	ety at Work, Undergraduate Academic Studies	
5.	Z305A	Environmental data analysis				(ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
6.	Z102	Tehnička hemija(uneti naziv na engleskom				(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
7.	Z109	Hemijski principi u inženjerstvu zaštite živol sredine(uneti naziv na engleskom)			ne	(Z20) Envii Studies	ronmental Engineering, Undergraduate Academic	
						(M20) Mea Undergrad	chanization and Construction Engineering, uate Academic Studies	
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
8.	Z151	Chemistry in Mechanical Engineering				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic	
						(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
9.	Z153	Chemi	stry in Engi	neering		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
10.	Z155	Chemi	cal Principle	es in Engineering		(Z01) Safe	ety at Work, Undergraduate Academic Studies	
11.	Z600	Chemi	cal Phenom	nena in Engineering		(ZP0) Disa Undergrad	aster Risk Management and Fire Safety, uate Academic Studies	
12.	Z503	Practic	cal Course i	n Environment Protection		(Z20) Envii	ronmental Engineering, Master Academic Studies	
13.	Z507	Physic	al and Che	mical Principles		(Z20) Envii	ronmental Engineering, Master Academic Studies	
14.	ZR504	Protec	tion against	t Chemical Harms, Fire an	d Explosion	(OM1) Ma Studies	thematics in Engineering, Master Academic	
15.	Z507	Fizičko	o hemijski p	rincipi(uneti naziv na engl	eskom)	(Z20) Envii	ronmental Engineering, Master Academic Studies	
16.	MPK005	Analys	is of enviro	nmental protection system	าร	(MPK) Inž naziv na er	enjerstvo tretmana i zaštite voda - TEMPUS(uneti ngledskom), Master Academic Studies	
17.	SZD050	Transp multico	port and dis	tribution of pollutants in he ystems	eterogeneous	(Z00) Envi Studies	ironmental Engineering, Specialised Academic	
18.	SZSP09	Reme	diation of co	ontaminated locations		(Z00) Envi Studies	ironmental Engineering, Specialised Academic	
19.	SZSP17	Savrer supsta	mene instru inci u životn	mentalne metode analize oj sredini	zagađujućih	(Z00) Envi Studies	ironmental Engineering, Specialised Academic	
20.	ZR504A	Chemi	cal risk ass	essment of fire and explos	sion	(Z01) Safe	ety at Work, Master Academic Studies	

Datum: 18.12.2012

UNIVERSITY OF NOVI SAD

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					
21.	ZD050	Transport and distribution of pollutar multicomponent systems	ts in heterogeneous	(Z00) Environm Studies	ental Engineering, Doctoral	Academic				
22.	ZDO03	Applied Analysis of Physical and Ch	emical Parameters	(OM1) Mathema Studies (Z00) Environm	l Academic Academic					
				Studies (701) Safety at 1	Work Doctoral Academic St	udies				
Rep	oresentative	e refferences (minimum 5, not more th	an 10)	(201) ouldty at						
1.	1. Turk, M., Jakšić, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from Serbia determined by active and passive sampling methods, Environmental Chemistry Letters (ECL) Journal, 2007, Vol. 5. str. 109- 113.									
2.	Turk Sekulić M., Radonić (Jakšić) J., Đogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidisciplinary Approaches, Singapur, World Scientific, 2008, str. 284-295, ISBN 978-981-283-439-3									
3.	Radonić, J., Turk, M., Vojinović Miloradov, M., Klánová, J.: Gas/particle partitioning of persistent organic pollutants generated during the war accident in Serbia, Environmental Science and Pollution Research, 2009, Vol. 16, No. 1, pp. 65-72.									
4.	 Turk Sekulić Maja, Rasprostiranje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentnom sistemu, doktorska disertacija. 									
5.	 Radonić (Jakšić) J., Vojinović-Miloradov M., Turk Sekulić M., Kiurski J., Đogo 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/JSC1006160378 									
6.	Turk Sek Polychlor No 4, pp.	ulić M., Radonić (Jakšić) J., Vojinović inated Biphenyls and Polycyclic Arom 371-380, ISSN 0367-598X, UDK: 504	Miloradov M., Šenk N atic Hydrocarbons Us 1.5(497.11):547.621	., Okuka M.: Asse ing Polyparamete	essment of Atmospheric Dist r Model, Hemijska industrija	ribution of , 2011, Vol. 65,				
7.	Radonić based on 10.2298/	(Jakšić) J., Ćulibrk D., Vojinović-Milora M5' model trees, Thermal Science, 2 TSCI100809005R	adov M., Kukić B., Tur 011, Vol. 15, No 1, pp	k Sekulić M.: Pred . 115-124, ISSN (diction of gas-particle partitio 0354-9836, UDK: doi:	ning of PAHs				
8.	Grujić Le emerging 7103	tić N., Milić N., Turk Sekulić M., Rado organic contaminants in the Danube	nić (Jakšić) J., Milanov River samples by HPI	/ić M., Mihajlović ₋C, Chemicke List	I., Vojinović-Miloradov M.: Q ty, 2012, Vol. 106, pp. 264-2	uantification of 66, ISSN 1213-				
9.	Milić N., I antibiotic HEAL R,	Milanović M., Grujić Letić N., Turk Sek s as emerging contaminant substance 2012, pp. 1-15, ISSN 0960-3123	ulić M., Radonić (Jakš s in aquatic environm	šić) J., Mihajlović ent DOI: 10.1080/	I., Vojinović-Miloradov M.: O ∕09603123.2012.733934, IN	ccurrence of I J ENVIRON				
10.	Jovčić N. bound po 10.2298/	, Radonić (Jakšić) J., Turk Sekulić M., lycyclic aromatic hydrocarbons in the HEMIND120113062J, Hemijska indus	, Vojinović-Miloradov M vicinity of the industria trija, 2012, pp. 1-36, I	M., Popov S.: Ider al zone of the city SSN 0367-598X	tification of emission source of Novi Sad DOI:	s of particle-				
Sur	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :	<u></u>	0							
Total	of SCI(SS	CI) list papers :	8 Domostia i	2	International .	2				
Curre	ent projects		Domestic :	4	international :	3				





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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

23.	ZSP21	Design and Planning Processes to M Hazardous Materials	linimize Waste and	(Z00) Environm Studies (Z01) Safety at	ental Engineering, Doctoral / Work, Doctoral Academic St	Academic udies				
24.	ZRD213	Current state and development tende management of work environment	encies of quality	(Z01) Safety at	Work, Doctoral Academic St	udies				
25.	ZRD231	Economic implication of occupationa projects implementation	I health and safety	(Z01) Safety at	Work, Doctoral Academic St	udies				
Rep	oresentative	e refferences (minimum 5, not more the	an 10)							
1.	1. Stanisavljević N., Ubavin D., Batinić B., Fellner J., Vujić G.: Methane emissions from landfills in Serbia and potential mitigation strategies: a case study, WASTE MANAGE RES, 2012, ISSN 0734-242X									
2.	 Vukmirović G., Vukmirović S., Vujić G., Stanisavljević N., Ubavin D., Batinić B.: Using ANN model to determine future waste characteristics in order to achieve specific waste management targets -case study of Serbia, Journal of Scientific and Industrial Research (JSIR), 2011, Vol. 70, No 07, pp. 513-518, ISSN 0022-4456 									
3.	 Vujić G., Jovičić N., Maja Đ., Ubavin D., Nakomčić Smaragdakis B., Gordana J., Dušan G.: INFLUENCE OF AMBIENCE TEMPERATURE AND OPERATIONAL - CONSTRUCTIVE PARAMETERS ON LANDFILL GAS GENERATION - CASE STUDY NOVI SAD, Thermal Science - International Scientific Journal, 2010, Vol. 14, No 2, pp. 555-564, ISSN 0354-9836, UDK: 547.211:631.41 									
4.	 Vujić B., Milovanović D., Ubavin D.: Analiza koncentracionih nivoa čestičnih materija (PM10, ukupnih suspendovanih čestica i čađi) u Zrenjaninu, Hemijska industrija, 2010, Vol. 64, No 5, pp. 453-458, ISSN 0367-598X 									
5.	Landfill gas modelling and risk assessment in the purpose of the good managing in municipal landfill of Novi Sad - CHISA 2004, 16th International Congress of Chemical and Process Engineering, Prague, Czech Republic, August 2004									
6.	Analysis Central a	of location for building objects; - Sixth nd Eastern Europe and the Commonv	International Symposive vealth of Independent	ium and Exhibitio States (Prague 2	n on Environmental Contami 003), Czech Republic, Septe	nation in ember 2003				
7.	Vujić, G. waste ma	Batinić, B. Ubavin, D. Stanisavljević. Nanagement policy in Vojvodina, Serbia	N., Analysis of municip , ISWA/WMRAS Worl	al waste content d Congress, Sing	& waste amount as the basis apore: ISWA, 03 06. Nove	s for the new mbar, 2008.				
8.	Ubavin D Serbia, 1 907694-2	., Vujić G., Stanisavljević N., Batinić B . The ISWA 2012 World Solid Waste 0 2-9	., Mirosavljević Z.: Na Congress, Florence: IS	ational Methane E SWA, 17-19 Septe	Emissions from Waste Dispo embar, 2012, pp. 1279-1287,	sal Sites in ISBN 978-88-				
9.	Stanisavl East Euro Septemb	jević N., Jokanović S., Batinić B., Uba ope, Exemplified for The City of Novi S ar, 2012, pp. 1266-1272, ISBN 978-88	vin D., Vujić G.: Evalı Sad, 1. The ISWA 201 3-907694-2-9	uation of Different 2 World Solid Wa	Waste Management Optior ste Congress, Florence: ISW	ns for South /A, 17-19				
10.	Batinić B using AN 907694-2	., Ubavin D., Stanisavljević N., Vujić G N models, 1. The ISWA 2012 World S 2-9	., Tot B.: Analysis of olid Waste Congress,	relation between Florence: ISWA,	socioeconomic factors and N 17-19 Septembar, 2012, ISE	/ISW practice 3N 978-88-				
Sun	nmary data	for teacher's scientific or art and profe	essional activity:							
Quot	ation total :		3							
Total	of SCI(SS	CI) list papers :	4	2	Internetional	0				
Current projects : Domestic : 3 International : 0										

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

Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Course name

Clean Energy Technologies

(OM1) Mathematics in Engineering, Doctoral Academic

Study programme name, study type

Studies





ID

UNIVERSITY OF NOVI SAD



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	Name and last name:					Uzelac N. Dušan				
Acad	lemic title:					Full Professo	r			
Nam	e of the inst	itution v	where the te	acher works full tir	ne and	Faculty of Te	chnical Scie	nces - Novi Sad		
starti	ng date:					09.11.1973				
Scier	ntific or art f	ield:				Applied Fluid	Mechanics	 Hydro Pneumatic Technics 		
Acad	lemic cariee	er	Year	Institution				Field		
Acad	lemic title el	ection:	2002	Faculty of Techni	ical Sci	ences - Novi S	ad	Applied Fluid Mechanics - Hydr Technics	o Pneumatic	
PhD	thesis		1991	Faculty of Techni	ical Sci	ences - Novi S	ad	Mechanical Engineering		
Magister thesis 1981 Faculty of Technical Sc			ical Sci	ences - Novi S	ad	Mechanical Engineering				
Bachelor's thesis 1973 Faculty of Technical So			ical Sci	ences - Novi S	ad	Mechanical Engineering				
List c	of courses b	eing hel	ld by the tea	acher in the accred	lited stu	udy programme	es			
	ID	Course	e name				Study pro	gramme name, study type		
							(M30) Ene Academic	ergy and Process Engineering, Ui Studies	ndergraduate	
1.	M3301	Pumping and Compression Stations					(ZC0) Clea Academic	an Energy Technologies, Underg Studies	raduate	
							(M30) Ene Academic	ergy and Process Engineering, Ur Studies	ndergraduate	
2.	M3306	Devices for Mechanical Purification					(ZC0) Clea Academic	an Energy Technologies, Underg Studies	raduate	
3.	M3403	Fluid Machines					(M30) Ene Academic	M30) Energy and Process Engineering, Undergraduate Academic Studies		
4.	M3404	Hydropneumatic Components				(M30) Ene Academic	ergy and Process Engineering, Ur Studies	ndergraduate		
5.	M3452	Gas eo	Gas equipment				(M30) Ene Academic	ergy and Process Engineering, Ur Studies	ndergraduate	
6.	M3496	Pipelin	e Transpor	tation			(M30) Ene Academic	ergy and Process Engineering, Ur Studies	ndergraduate	
7.	GH503	Hydro	Mechanica	I Machinery			(G00) Civil	Engineering, Master Academic S	Studies	
8.	M3516	Hidrop	neumatic s	ystems			(M30) Energy and Process Engineering, Master Academic Studies			
Rep	oresentative	reffere	nces (minin	num 5, not more th	an 10)					
1.	Univerzite	etski udž	žbenik HIDI	ROPNEUMATSKE	KOMP	ONENTE, god	ina izdanja ⁻	1995, izdavač STYLOS, Novi Sac	k	
2.	Priručnik Sad, 200	KURS Z 2	ZA RUKOV	OĐENjE I ODRŽAV	VANjE	CEVOVODA, U	JREÐAJA I	POSTROJENjA ZA PRIRODNI G	GAS, FTN, Novi	
3.	Skripta P	UMPNE	IKOMPRE	ESORSKE STANIC	CE, (aut	torizovana prec	lavanja), F⊺	ΓΝ, Novi Sad, 2000		
4.	D. Uzelao Universita	c, S. Taš atis. Vol	śin, Solving 1, No3. Niš	Flow Field in Cent	rifugal	Impellers of Flo	w Machines	s by Applying Boundaru Elements	s Methods, Facta	
5.	Uzelac D Applied&	, Šosta Comput	kov R., Milis ing Mathem	savljević B., Tašin natics, Vol 1, Košic	S., Bou e,1997	Indaru Element	ts Method A	pplied in Analysis of Flow Field in	ı Turbomachines,	
6.	Uzelac D Niš. 1998	., Šosta	kov R., Taš	in S., Starting of ar	n Electr	ic Motor Drive	with Hydrod	linamic Coupling, Facta Universit	atis, Vol 1, No5,	
7.	Šostakov Couplina	R., Uze Mobilit	elac D., Čas y&Vehicles	nji F., Surveying T Mechanics, Kraqu	he Trai jevac. ?	nssient Operati 1999	ng Egimes o	of a Driving Mechanism Wiht a H	lydrodynamic	
8.	Uzelac, D)., Tašin	, S.: Delimi	čna automatizacija	dvolini	ijske gasne sta	nice, Termo	tehnika 1-4, Beograd, 1998		
9.	Šostakov TRANSIE 2007	R., Uze NT RE	elac D., Brkl GIMES IN A	jač N., ON A METI N EASY-TO-SUR	HOD FO	OR REPRESE ANNER FOR F	NTING THE PRACTICE A	MACHINE DRIVING SYSTEMS	OPERATION IN ing, Novi Sad,	
Sur	nmary data	for teac	her's scient	tific or art and profe	essiona	I activity:				
Quot	ation total :				0					
Total	of SCI(SS	CI) list p	apers :		0					
Curre	ent projects	:			Dome	estic :	0	International :	I U	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	Name and last name: Vasić V. V						eran		
Acad	lemic title:				Full Professo	r			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Tee	chnical Sciences - Novi Sad			
starti	ng date:				01.04.1995				
Scier	Scientific or art field: Power Elect						ines and Facilities		
Acad	lemic cariee	er	Year	Institution			Field		
Acad	lemic title el	lection:	2011				Power Electronics, Machines and Facilities		
PhD	thesis		2001	School of Electrical Engi	ineering - Beog	irad	Power Electronics, Machines and Facilities		
Magi	ster thesis		1996	School of Electrical Engi	ineering - Beog	irad	Power Electronics, Machines and Facilities		
Bach	elor's thesis	S	1994	Faculty of Technical Sci	ences - Novi Sa	ad	Power Electronics, Machines and Facilities		
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		
						(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
1.	E133	Power	Converters	3		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
						(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
2.	EE304	Electri	c Machines	1		(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
0	FF207	F leetri	- Mashinaa	2		(MR0) Me Undergrad	asurement and Control Engineering, uate Academic Studies		
3.	EE307	Electric Machines 2				(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
4.	EE401	Electric Machines 3				(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
_	FF 500					(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
э.	EE920	Desigi		a machines and converte	915	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
6.	EOS18	Indust	rial Protoco	ls and Network		(E01) Pow Energy, Ur	ver Engineering - Renewble Sources of Electrical ndergraduate Professional Studies		
7.	F203	Electri	cal Machine	es		(F00) Graphic Engineering and Design, Undergraduate Academic Studies			
8.	H351	Electri	cal Machine	es		(H00) Mechatronics, Undergraduate Academic Studies			
9.	EE424A	Power	Electronic	in Drive and Industry		(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies			
10.	DE210S	Select	ed topics in	electrical machines		(E11) Pow Engineerin	ver, Electronic and Telecommunication g, Specialised Academic Studies		
11	EE520	Design	of Electric	al Machines and Converte	are	(E10) Pow Engineerin	er, Electronic and Telecommunication g, Master Academic Studies		
	LLOZO	Desigi				(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
12.	DE210	Select	ed Chapter	s in Electric Machinery		(E10) Pow Engineerin	ver, Electronic and Telecommunication g, Doctoral Academic Studies		
13.	DOM28	Modeli	ing and Sim	ulation of Driving Systems	s	(M00) Me	chanical Engineering, Doctoral Academic Studies		
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)					
1.	 Dumnić B., Katić V., Vasić V., Milićević D., Delimar M.: An Improved MRAS Based Sensorless Vector Control Method for Wind Power Generator" Journal of Applied Research and Technology – JART, October 2012, Center for Applied Sciences and Technological Development, National Autonomous University of Mexico (UNAM), ISSN: 1665-6423, [Online]. Available: http://www.jart.ccadet.unam.mx/volumen10 5.htm 						ed Sensorless Vector Control Method for Wind or 2012, Center for Applied Sciences and o, ISSN: 1665-6423, [Online]. Available:		
2.	Kulić F., I Advances	Matić D. s in Elec	, Dumnić B ctrical and C	., Vasić V.: Optimal fuzzy Computer Engineering, 20	controller tune 11, Vol. 11, No	d by TV-PS 1, pp. 49-54	O for induction motor speed control, Journal of 4, ISSN 1582-7445		
3.	Vasić V., Time Cor	Marčeti Istant Id	ć D., Jeften lentification	ić B., Vladan J.: Speed-S , IET ELECTR POWER A	ensorless Con PP, 2010, Vol.	trol of Induc 4, No 6, ISS	tion Motor Based on Reactive Power with Rotor SN 1751-8660		
4.	Vasić V., journal fo	Marčeti r compu	ć D., Oros I utation and	D.: Prediction of Local Ins mathematics in electrical e	tabilities in Opengineering, 20	en-loop Indu 10, Vol. 29,	uction Motor Drives, COMPEL - The international No 3, ISSN 0332-1649		

4	AS STUD		UNIVERSITY OF NO	VI SAD		UNKHX M				
AND AND	NULL STOR	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	STORE STREET				
D'T'		Study Programme Accreditation								
.01	LANTER	UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	HO				
Rep	Representative refferences (minimum 5, not more than 10)									
5.	5. Oros Đ., Vasić V., Marčetić D., Kulić F.: Influence of parameters detuning on induction motor NFO shaft-sensorless scheme, Journal of Advances in Electrical and Computer Engineering, 2010, Vol. 10, No 4, pp. 121-124, ISSN 1582-7445									
6.	Oros Đ., Vasić V., Marčetić D.: NFO sensorless induction motor drive with on-line stator resistance parameter update, Electric Power Components&Systems, 2008,Vol.36.No.12,pp.1318-1336.									
7.	Reljić D., Vasić V., Ostojić D., Dumnić B.: A Comparision of PI Current Controllers in Field Oriented Induction Motor Drive, Journal of Advances in Electrical and Computer Engineering, 2006, Vol. 6, No 2, pp. 46-51, ISSN 1582-7445									
8.	V. Vasić, S drives", IEE	. Vukosavić, E. Levi, "A stator resist E Transaction on Energy conversion	ance estimation scher on, vol. 18 no.4, pp. 47	ne for speed sens 6-483, december	sorless rotor flux oriented in 2003.	duction motor				
9.	V. Vasić, S Estimation"	. Vukosavić, "Sensorless MRAS Ba , European Transactions on Electric	sed Induction Motor C cal Power – ETEP, Vo	ontrol with Parale . 12 no.2 pp. 135	Ile Speed And Stator Resis -139. March/April 2002.	tance				
10.	V. Vasić, S Engineering	. Vukosavić, "Robust MRAS based g Review, vol. 21 no.11, November	algorithm for stator res 2001.	istance and rotor	speed identification", IEEE	Power				
Sur	nmary data fo	or teacher's scientific or art and profe	essional activity:							
Quot	ation total :		73							
Tota	of SCI(SSCI)) list papers :	9			-i				
Curre	ent projects :		Domestic :	3	International :	1				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Re	presentative refferences (minimum 5, not more the	an 10)						
1.	Veselinov, B.: Prilog razvoju sistema za presov zapreminom komore za presovanje, Fakultet te	anje vlaknastih bioma hničkih nauka, Novi s	terijala kod presa ad, Magistarski ra	a za valjkaste bale sa promer ad, 1989, 98 strana	nljivom			
2.	Veselinov, B.: Uticaj raznih postupaka mehanič tehničkih nauka, Novi Sad, Doktorska disertaci	kog usitnjavanja suve ja, 2003, 110 strana	pitome nane na	kvalitet dobijene biljne sirovi	ne, Fakultet			
3.	Martinov, M., Veselinov, B., Bojić, S. 2007. Mai Research/Expert Conference »Trends in the Do Tunisia, 05-09 Septembar, 1167-1170	ze Cobs Processor – evelopment of Machin	Preparations for ery and Associat	its use as a Fuel. 11-th Interr ed Technology« TMT 2007, I	national Hammamet,			
4.	Martinov, M., Adamović, D., Veselinov, B., Muji poljoprivredna tehnika, 34(1-2), 1-12. (ISSN 03	ć, I., Bojić, S. 2008. F 50-2953)	azno sušenje lek	ovitog bilja u šaržnoj sušari.	Savremena			
5.	Martinov, M., Veselinov, B., Bojić, S. 2008. Drobljenje oklasaka kukuruza – priprema za korišćenje kao gorivo. Savremena poljoprivredna tehnika, 34(1-2), 26-31							
6.	Veselinov, B., Adamović, D., Martinov, M. 2008. Istraživanje mogućnosti mehanizovanog branja cvasti nevena, Bilten za hmelj, sirak i lekovito bilje, Institut za ratarstvo i povrtarstvo Novi Sad, 40(81), 22-33							
7.	, Martinov, M, Veselinov, B. 2009. Stanje u oblasti poljoprivrednog inženjerstva – Akcenti Konferencije VDI-MEG LAND-TECHNIK 2008. Savremena poljoprivredna tehnika, 35(3), 157-168. (ISSN 0350-2953)							
8.	Martinov, M., Adamović, D., Veselinov, B., Mat and peppermint drying in batch dryer. 36. Intern Engineering, Opatija, 11-15 February 2008, Bo	avuly, M., Bojic, S. an national Symposium A ok of Proc, 479-490. I	d I. Mujic. 2008.P gricultural Engine SSN1533-2651	Practice oriented investigation eering: Actual Tasks on Agric	n of chamomile cultural			
9.	Martinov M, Bojic S, Golub M, Veselinov B. 20 drying in batch dryers. 7th Conference of Medic of Mai 2012, CD of Proc. 241-247. ISBN: 978-8	12. Practice oriented in cinal and Aromatic Pla 36-83-141-16-6	nvestigation of hu ints of Southeast	III-less oil pumpkin seeds, Cu ern European Countries. Sub	ucurbita pepo L., potica 27th-31st			
10.	Martinov M, Golub M, Djordje Dj, Bojic S, Vese Scientific and Expert Conference TEAM 2012 1 October 2012, CD of proc. 307-310. ISSN 1847	linov B. 2012. Total a Fechnique, Education, 7-9065	nd available yield Agriculture & Ma	of soybean residues. 4th Int anagement. Slavonski Brod,	ernational 17th to 19th			
Su	mmary data for teacher's scientific or art and profe	essional activity:						
Quo	tation total :	0						
Tota	I of SCI(SSCI) list papers :	1						
Current projects : Domestic : 5 International : 0								



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Nam	e and last n	ame:			Vićević D. Marija			
Acad	lemic title:				Assistant Professor			
Nam	e of the inst	titution v	vhere the te	eacher works full time and	Faculty of Technical Sciences - Novi Sad			
starti	ing date:				01.09.2009			
Scier	ntific or art f	ield:	1		Gas and Petroleum Technics			
Acad	lemic caries	er	Year	Institution			Field	
Acad	lemic title e	lection:	2009	Faculty of Technical Sci	ences - Novi S	ad	Gas and Petroleum Technics	
PhD	thesis		2004	Essex university - Nepo	znato		Technological Engineering	
Bach	nelor's thesis	S	1997	Faculty of Technology a	nd Metallurgy -	Beograd	Technological Engineering	
Magi	ister thesis		-				Technological Engineering	
List o	of courses b	eing he	Id by the te	acher in the accredited stu	udy programme	s		
	ID	Course	e name			Study pro	gramme name, study type	
1	M3451	Natura	al Gas and (Oil Preparation Equipment	ł	(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
		Hatare				(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
2.	M3507	Comb	ustion Tech	nology		(ZC0) Cle Academic	an Energy Technologies, Undergraduate Studies	
3.	M3201	Fuels	and lubrica	nts		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
4.	M3507	Comb	ustion techr	nology		(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies	
5.	M3555	Bioene	ergy Fuels a	and Alternative Processes		(ZC0) Cle Studies	an Energy Technologies, Master Academic	
6.	M3512	Comb	ustion			(M30) Ene Studies	ergy and Process Engineering, Master Academic	
7.	M3514	Engine	eering appli	cation programmes		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
8.	M3555	Bioene	ergy Fuels a	and Alternative Processes		(M30) Ene Studies	ergy and Process Engineering, Master Academic	
9.	DM313	Proces	ss Kinetics			(M00) Me	chanical Engineering, Doctoral Academic Studies	
Rep	presentative	e reffere	nces (minin	num 5, not more than 10)				
1.	Boodhoo polyhydro PROCES	K., Car oxyalkar SSING, 2	twright C., \ noate: Hydr 2010, Vol. 4	Vićević M., Prieto M., Torta odynamics, gas–liquid ma 9, No 7, pp. 748-758, ISS	ajada M.: Deve Iss transfer and N 0255-2701	lopment of a I fermentation	a Higee bioreactor (HBR) for production of on studies, CHEMICAL ENGINEERING AND	
2.	Vićević M Chem. El	1., Nova ng. J., 2	ković K., Bo 008, Vol. 13	oodhoo K., Morris J.: Kine 35, No 1-2, pp. 78-82, ISS	tics of Styrene N 1385-8947	Free Radica	al Polymerisation in the Spinning Disc Reactor ,	
3.	Boodhoo porous pa ISSN 138	K., Viće ackings 35-8947	ević M., Boo for applicat	odhoo C., Ndlovu T., Toog ion to an E. coli batch ferr	ood E.: Intensimentation proce	fication of gaess, Chem.	as–liquid mass transfer using a rotating bed of Eng. J., 2008, Vol. 135, No 1-2, pp. 141-150,	
4.	Vićević M zinc trifla 133, pp. 4	1., Bood te cataly 43-57, I	hoo K., Sco /sts: II. Perf SSN 1385-8	ott K.: Catalytic Isomerisat formance of immobilised c 3947	ion of alpha-pir atalysts in a co	iene oxide t ntinuous Sp	o campholenic aldehyde using silica supported binning Disc Reactor, Chem. Eng. J., 2007, Vol.	
5.	Vićević M zinc trifla	1., Bood te cataly	hoo K., Sco /sts: I. Kine	ott K.: Catalytic isomerisati tic and thermodynamic stu	ion of alpha-pir udies , Chem. E	ene oxide te Ing. J., 2007	o campholenic aldehyde using silica supported 7, Vol. 133, pp. 31-41, ISSN 1385-8947	
6.	Boodhoo spinning	K., Dur disc rea	nk W., Vićev Ictor using s	vić M., Jachuck R., Sage \ silica-supported BF3 catal	/., Macquarrie yst , Journal of	D., Clark J.: Applied Pol	Classical cationic polymerization of styrene in a ymer Science, 2006, Vol. 101, No 1, pp. 8-19	
7.	Vićević M disc reac	1., Jachı tor, Gre	uck R., Sco en Chem., 2	tt K., Clark J., Wilson K.: F 2004, Vol. 6, No 10, pp. 5	Rearrangement 33-537, ISSN 1	of alpha-pii 463-9262	nene oxide using supported catalyst in a spinning	
8.	Milojević environm	Z., Nava ient, Aca	alušić S., Z ademic Jou	eljković M., Vićević M., Be rnal of Manufacturing Eng	ju L.: Haptic in ineering – AJN	eraction pro	ogram systems development as a part of virtual bl. 9, No 2/2011, pp. 61-66, ISSN 1583-7904	
9.	Milojević HAPTIC	Z., Nava INTERA	alušić S., Z CTION, 5.	eljković M., Vićević M., Be International Conference	ju L.: EXAMPL on Manufacturi	ES OF DEV ng Science	ELOPMENT OF PROGRAM SYSTEMS WITH and Education - MSE, Sibiu, 2-5 Jun, 2011	
10.	 Vićević M., Novaković K., Boodhoo K., Morris J.: Autori: M. Vicević, K. Novaković, K.V.K. Boodhoo and J. Morris Naziv: Kinetics of Styrene Free Radical Polymerisation in the Spinning Disc Reactor Naziv skupa: Process Intensification and Innovation Process (PI)2 Conference II. Christchurch. New Zealand 							
Sur	mmary data	for tead	cher's scien	tific or art and professiona	I activity:			
Quot	tation total :			14				

WAS STUD		UNIVERSITY OF NO	/I SAD		WHKHX H
OR	FACULTY OF TECHNICAL SCI	EJA OBRADOVIĆA 6	STORE ST		
120000	Study F	on	Con Participation		
PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	HO
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

Clean Energy Technologies

Nam	e and last n	ame:			Vrgović D. Pe	etar			
Acad	lemic title:				Assistant Pro	Assistant Professor			
Nam	e of the inst	titution v	vhere the te	acher works full time and	Faculty of Te	chnical Scie	nces - Novi Sad		
startı	ng date:				01.10.2006				
Scier	ntific or art f	ield:			Industrial Eng	d Engineering Management			
Acad	lemic caries	er	Year	Institution			Field		
Acad	lemic title e	lection:	2012	Faculty of Technical Science	ences - Novi S	ad	Industrial Engineering and Engineering Management		
PhD	thesis		2012	Faculty of Technical Sci	ences - Novi S	ad	Engineering Management		
Magi	ster thesis		2009	Faculty of Technical Science	ences - Novi S	ad	Production Systems, Organization and Management		
Bach	elor's thesis	S	2005	Faculty of Philosophy - N	Novi Sad		Psychological Science		
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	es			
	ID	Course	e name			Study pro	gramme name, study type		
1.	1409	Psych	ology in Ma	nagement		(ZC0) Clea	an Energy Technologies, Undergraduate Studies		
2.	11934	Psicho	logy of Wo	rk		(SII) Softw Undergrad	vare and Information Technologies (Inđija), uate Professional Studies		
3.	IM1017	Comm	unicology			(I20) Engi Studies	neering Management, Undergraduate Academic		
4.	IM1052	Engine	eering Ethic	S		(I20) Engi Studies (M30) Ene Academic	neering Management, Undergraduate Academic ergy and Process Engineering, Undergraduate Studies		
5.	IM1621	Quality	/ in individu	al work		(I20) Engin Studies	eering Management, Undergraduate Academic		
6.	IM1913	Resea	rch Method	ology for Human Resourc	es 1	(I20) Engir Studies	eering Management, Undergraduate Academic		
7.	IM1915	Emplo	yee protect	ion		(I20) Engir Studies	eering Management, Undergraduate Academic		
8.	IM1918	Conflic	t Managem	nent		(I20) Engir Studies	eering Management, Undergraduate Academic		
9.	IM1922	Value	manageme	nt		(I20) Engin Studies	eering Management, Undergraduate Academic		
10.	IMDS11	Emplo	yees' creati	vity management		(I22) Engi Studies	neering Management, Specialised Academic		
11.	MBA308	Busine	ess commur	nication		(IB0) Engi Profession	neering Management - MBA, Specialised al Studies		
12.	NIT04	Comm	unication S	kills		(NIT) Indu Technolog	strial Engineering - Advanced Engineering ies, Master Academic Studies		
13.	IM2214	Creativ	ve Problem	Solving		(I20) Engir	eering Management, Master Academic Studies		
14.	IM2917	Creativ	ve potential	s management		(I20) Engir	eering Management, Master Academic Studies		
15.	IM2918	Humar	n Resource	s Research Methodology	2	(I20) Engir	eering Management, Master Academic Studies		
16.	IM2920	Persor	nnel Manag	ement		(M50) Ene (120) Engin	ergy Management, Master Academic Studies		
17.	IMDS77	Select	ed Chapter	s from Human Resource N	Management	(I22) Engin	neering Management, Specialised Academic		
18.	IMDR10	COGN	IITIVE MAN	IAGEMENT		(I20) Indus Doctoral A	strial Engineering / Engineering Management, cademic Studies		
19. IMDR11 Employees' creativity management						(I20) Indus Doctoral A	strial Engineering / Engineering Management, cademic Studies		
20.	IMDR77	Select	ed Chapter	s from Human Resource N	Management	(I20) Indus Doctoral A	strial Engineering / Engineering Management, cademic Studies		
21.	IMDR84	Data A INTER		DN, ANALYSIS AND DN 1		(I20) Indus Doctoral A	strial Engineering / Engineering Management, cademic Studies		
Rep	oresentative	e reffere	nces (minin	num 5, not more than 10)					

3	TAS STU		UNIVERSITY OF NO	VI SAD		NUKHX H				
IVE A	NO REAL	FACULTY OF TECHNICAL SCI	ENCES 21000 NOVI	SAD, TRG DOSIT	EJA OBRADOVIĆA 6	Survey				
NO.NE		Study F	Programme A	ccreditatio	on	Con				
9	PLANTER	UNDERGRADUATE ACADEMIC	STUDIES	Cle	an Energy Technologies	HO				
Re	presentative re	efferences (minimum 5, not more th	an 10)							
1.	Vrgović P., communica 3, pp. 290-3	Glassman B., Walton A., Vidicki P.: tion network model for collaboration 302, ISSN 1447-9338	Open innovation for n beyond obstacles, In	SMEs in developi novation-Manage	ng countries – an intermed ment Policy and Practice, 2	ated 2012, Vol. 14, No				
2.	Jošanov-Vrgović I., Savić N., Jošanov B., Vrgović P.: Development plans and the state of e-tourism: Case study in Novi Sad, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2545-2550, ISSN 1993-8233									
3.	Kapor-Stan	ulović, N., Vrgović, P. (2009) Komu	nikologija za menadže	ere. Fakultet tehni	čkih nauka. Novi Sad					
4.	Kapor-Stanulović Nila, Vrgović Petar, Hinić Darko. (2009) Komunikologija i komuniciranje u organizaciji. Državni univerzitet u Novom Pazaru.									
5.	Vrgović Petar, Hinić Darko, Matijević Nikolina, Barać Milena. (2010) Poslovno i organizaciono komuniciranje. Fakultet za poslovni menadžment. Bar, Crna Gora.									
6.	Vrgović P., Customizat 261-265, IS	Kovačević J., Mihailović D.: Effecti ion and Personalization in Central E BN 978-86-7892-432-3.	ve communication and Europe MCP-CE, Novi	l idea generation, Sad: Fakultet teh	5. International Conference ničkih nauka, 19-21 Septer	e on Mass nbar, 2012, pp.				
7.	Vrgović P., 13. Internat 255-5.	Mihailović D.: Idea management ir ional symposium SymOrg, Zlatibor:	a developing country Fakultet organizacion	with transition ec ih nauka, 5-9 Jun	onomy: good intention, bad , 2012, pp. 320-328, ISBN	communication, 978-86-7680-				
8.	Vrgović P., developing Septembar	Antonova A., Vidicki P.: Limiting in countries, 15. International Scientif , 2011, pp. 437-441, ISBN 978-86-7	novation gaps - Buildii ic Conference on Indu /892-341-8.	ng communicatior strial Systems - IS	n bridges between inventors 5, Novi Sad: Fakultet tehnič	s and SMEs in kih nauka, 14-16				
9.	Vrgović Pet for Growing Entreprene	ar, Glassman Brian, Walton Abram J Economies by Connecting Entrepr urship, Innovation and Regional De	, Vidicki Predrag, Suzi eneurial Inventors with velopment, p 810-817	ć Nikola. (2010) N 1 Local Companie . ICEIRD (3; Novi	Market Driven Inventions in es. International Conference Sad; 2010). ISBN 978-86-	SMEs - A Model e on 7892-250-3				
10.	10. Vidicki, P. Vrgović, P.: Measuring innovation in service sector, International Scientific Conference on Industrial Systems IS"08 (14th), Novi Sad: Faculty of technical sciences, 2-3 oktobar, 2008, str. 565- 570, ISBN 978-86-7892-135-3.									
Su	mmary data fo	r teacher's scientific or art and prof	essional activity:							
Quo	tation total :		1							
Tota	I of SCI(SSCI)	list papers :	2							
Curr	ent projects :		Domestic :	U	International :	U				



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

ASTAS STUDIO

UNIVERSITY OF NOVI SAD

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

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

LISU	List of courses being field by the teacher in the accreated study programmes											
	ID	Course name		Study program	ne name, study type							
24.	SZD042	Models of economic evaluation of er	vironmental projects	(Z00) Environme Studies	ental Engineering, Specialis	ed Academic						
25.	SZD051	Applications of optimal control theory environment protection	y in living	(Z00) Environmo Studies	ental Engineering, Specialis	ed Academic						
26.	SZDI23	Material Flow Analysis in Urban System	tems	(Z00) Environmental Engineering, Specialised Academic Studies								
27.	SZSP21	Design and Planning Processes to M Hazardous Materials	Iinimize Waste and	(Z00) Environmo Studies	ental Engineering, Specialis	ed Academic						
28.	ZCM06	Security of strategic energy facilities		(ZC0) Clean En Studies	ergy Technologies, Master A	Academic						
29.	ZD051	Applications of optimal control theory environment protection	y in living	(Z00) Environme Studies	ental Engineering, Doctoral	Academic						
30.	ZDI23	Material Flow Analysis in Urban Syst	tems	(Z00) Environme Studies	ental Engineering, Doctoral	Academic						
24	21 ZDO12 Models of Economic Evaluation of Projects for (OM1) Mathematics in Engineering, Doctoral Academic Studies											
31.	ZD042	Environment Protection	(Z00) Environmo Studies	ental Engineering, Doctoral	Academic							
32.	ZSP20	Systemic Regulation of Environment		(G00) Civil Engi	neering, Doctoral Academic	Studies						
				(OM1) Mathematics in Engineering, Doctoral Academic Studies								
33.	ZSP21	Hazardous Materials	linimize waste and	(Z00) Environmo Studies	ental Engineering, Doctoral <i>i</i>	Academic						
				(Z01) Safety at	Work, Doctoral Academic St	udies						
Rep	oresentative	refferences (minimum 5, not more th	an 10)									
1.	Vujić, G., Contamir	Pešenjanski, I.: Combustion chamber	r for stawn bals, Fifth I Prague 2000	nternational Symp	posium and Exhibition on El	nvironmental						
2.	Vujić, G., Internatio	Marinić, I., Bašić, Đ.: Waste Separati nal Symposium and Exhibition on Env	on and Recicling Meth	ods, Which Are T ation in central an	he Most Suitable For City of d Eastern Europe, Prague 2	Novi Sad, Sixth 003.						
3.	Vujić, B., Serbia&N Europe, F	Vujić, G.: Environmental due diligenci Iontenegro, Sixth International Sympo Prague 2003.	e and its appliance in osium and Exhibition o	specific national on Environmental (environmental condition in Contamination in central and	l Eastern						
4.	Jezdimiro and Exhil	ovic.I.A., Vujic,G., Mudric, J.: Special Contamination	Conditions of Raw and n in central and Easter	Drinking Water n m Europe, Prague	nanagement, Sixth Internatio	onal Symposium						
5.	Vujić, G., YAI, Thai	Bašić, Đ. Mihajlov, A.: Process of priv land, 16-18 december. 2003.	vatisation and environ	ment in Serbia ar	nd Montenegro, PSU-UNS c	onference, HAT-						
6.	Vujić, G., the purpo	Vojinović-Miloradov M., Bašić, Đ., Vu se of the good managing in municipal	jić,B., Čabradi, G., To I landfill of Novi Sad, C	mašević, B.: Land CHISA 2004, 22-2	fill gas modelling and risk as 6,08.2004.Prague, Czech R	ssessment in epublic.						
7.	Ubavin, E And Envi	D., Vujić, G., Bašić, Đ.:Landfill gas extr ronment - ICEE-2005, Novi Sad 19-21	raction and collection s May, 2005.	systems; PSU-UN	IS International Conference	On Engineering						
8.	Ubavin, E Faculty o 2005. Bu	D., Vujić, G., Mihajlov, A., Bašić, Đ.: C f Technical Sciences, Novi Sad, Serbi enos Aires, Argentina Ref No 194, Pro	as to energy opportur a and Montenegro, W oceedings p.82	nity on landfill in ci orld Congress and	ty of Novi Sad – Serbia and d Exhibition "ISWA 2005", N	Montenegro D. lovember 610.						
9.	Marjanov Landfill L 2007. Pro	ić, D., Vujić, G , Mihajlović, V., Ubavir ocation Selection, PSU-UNS Internation oceedings CD ICCEE2007149	n, D.: Selection of Tech onal Conference on El	nnology and Publi ngineering and Er	c Opinion as Key Factors in nvironment - ICEE-2007, Ph	Regional uket May10-11,						
10.	Vujić, G , on Engine	Mihajlović, V., Ubavin, D.: Possibilitie eering and Environment - ICEE-2007,	s for Landfill Gas Usa Phuket May10-11, 20	ge at Novi Sad La 07. Proceedings	ndfill, PSU-UNS Internation	al Conference						
Sur	nmary data	for teacher's scientific or art and profe	essional activity:									
Quot	ation total :		0									
Total	of SCI(SSC	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

Clean Energy Technologies

Nam	e and last n	ame:				Vujić V. Zoran				
Acad	emic title:					Assistant Professor				
Nam	e of the inst	titution v	vhere the te	acher works full tir	ne and	-				
starti	starting date:									
Scier	ntific or art f	ield:				Biosystems Engineering				
Acad	emic caries	er	Year	Institution				Field		
Acad	emic title e	lection:	2010	Faculty of Techni	cal Sci	ences - Novi S	ad	Biosystems Engineering		
PhD thesis 2008 Essex university - Ne						znato		Thermal Energetics and Thermo	otechnics	
Bachelor's thesis 2003 Faculty of Technical So					cal Sci	ences - Novi S	ad	Applied Fluid Mechanics - Hydro Technics	o Pneumatic	
Magi	ster thesis		1900					Thermal Energetics and Thermo	otechnics	
List c	of courses b	eing he	ld by the tea	acher in the accred	lited stu	udy programme	es			
	ID	Course	e name				Study pro	pgramme name, study type		
1.	URZP35	Modeli	ing and Sim	ulation in Risk Ma	nageme	ent	(ZP0) Disa Undergrad	aster Risk Management and Fire S luate Academic Studies	Safety,	
2.	URZP47	Fire Ri	isk Manage	ment in Industry			(ZP0) Disa Undergrad	aster Risk Management and Fire S luate Academic Studies	Safety,	
3.	ZC028	Geosp	atial techno	logies and system	s		(ZC0) Clean Energy Technologies, Undergraduate Academic Studies			
4.	URZP63	Safety	of Strategio	c Energy Facilities			(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies			
5.	Z477	Sustai	nable Agric	ulture Engineering			(Z20) Envi	ronmental Engineering, Master Ac	ademic Studies	
6.	Z477	Inženje engles	erstvo održi kom)	ve poljoprivrede(ur	neti naz	ziv na	(Z20) Envi	ronmental Engineering, Master Ac	cademic Studies	
7.	SGD023	Energe	etska efikas	nost građevinskih	objekat	ta	(Z00) Environmental Engineering, Specialised Acader Studies			
8.	ZSP09	Reme	diation of Co	ontaminated Sites			(Z00) Env Studies	ironmental Engineering, Doctoral	Academic	
Rep	oresentative	e reffere	nces (minim	num 5, not more th	an 10)					
1.	Schröder Strong St "New Ene	, M., Vu team Ex ergy for	jic, Z., Pohl plosions in New Europ	ner, G., Buck, M., I 3D Geometry Con e 2009", Bled, Slov	Bürger, sidering venia.	M., Lohnert, G g Real Acciden	i., Septembo t Scenarios	er 2009. Investigation of Main Lim . In: Proceedings of International C	iting Effects to Conference	
2.	Vujic, Z., to Steam	May 20 Explosi	08. Improve on Strength	ements and Verification. In: Proceedings	ation of of KTG	the Models for Meeting, Haml	Simulation	of Steam Explosions in LWR – Ma	ain Limitations	
3.	Vujic, Z., to Steam	May 20 Explosi	08. Improve on Strength	ements and Verification. In: Proceedings	ation of of KTG	the Models for Meeting, Haml	Simulation	of Steam Explosions in LWR – Ma any.	ain Limitations	
4.	Vujic, Z., to Steam	May 20 Explosi	08. Improve on Strength	ements and Verification . In: Proceedings of	ation of of KTG	the Models for Meeting, Haml	Simulation	of Steam Explosions in LWR – Ma	ain Limitations	
5.	Vujic, Z., to Steam	May 20 Explosi	08. Improve on Strength	ements and Verification . In: Proceedings of	ation of of KTG	the Models for Meeting, Haml	Simulation ourg, Germa	of Steam Explosions in LWR – Ma any.	ain Limitations	
6.	Vujic, Z., Erstes H	March 2 GF Dokt	2005. Impro orandenser	vement and Verific	ation o	of Steam Explositisforschung", k	sion and Pa Karlsruhe, G	rticulate Debris Formation Models ermany.	and Codes,	
Sur	nmary data	for teac	her's scient	tific or art and profe	essiona	activity:				
Quot	ation total :									
Total	of SCI(SS	CI) list p	apers :					i	,	
Curre	ent projects	•			Dome	estic ·	1	International ·	1	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Vukelić B. Đorđe			
Academic title:					Assistant Professor			
Name of the institution where the teacher works full time ar					Faculty of Te	chnical Scie	nces - Novi Sad	
starting date:					23.10.2000			
Scientific or art field:					Metrology, Q	uality, Fixtur	es and Ecological-Engineering Aspects	
Acad	emic cariee	er	Year	Institution			Field	
Academic title election: 2010 Faculty of Technical S			Faculty of Technical Sci	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects		
PhD thesis 2010 Faculty of Technical S			Faculty of Technical Science	ences - Novi S	Metrology, Quality, Fixtures and Ecological- Engineering Aspects			
Magi	ster thesis		2005	Faculty of Technical Science	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
Bach	elor's thesis	S	2000	Faculty of Technical Science	ences - Novi S	ad	Metrology, Quality, Fixtures and Ecological- Engineering Aspects	
List c	of courses b	eing he	ld by the tea	acher in the accredited stu	udy programme	s		
		-						
	ID	Course	e name			Study pro	gramme name, study type	
1.	P1401	Fixture	e Design an	d Measuring Machines		(P00)Proo Studies	duction Engineering, Undergraduate Academic	
						(P00)Proo Studies	duction Engineering, Undergraduate Academic	
2.	P1508	Revers	se Engineer	ring and CAQ		(SE0) Sof Undergrad	tware Engineering and Information Technologies, uate Academic Studies	
						(SEL)Sofi Loznica.U	tware Engineering and Information Technologies - ndergraduate Academic Studies	
						(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies		
3.	P209	Measu	irements ar	nd Quality		(P00) Prod	duction Engineering, Undergraduate Academic	
4.	P306	Fixture	es			(P00) Proc	duction Engineering, Undergraduate Academic	
5.	Z207	Mecha	inical Engin	eering in Environmental E	ingineering	(Z20) Envir	ronmental Engineering, Undergraduate Academic	
6	7207A	Mecha	nical Engin	eering in Environmental F	naineerina	(701) Safe	etv at Work Undergraduate Academic Studies	
0.						(Z01) Safe	etv at Work. Undergraduate Academic Studies	
7.	Z301	Polluti	on Measure	ement and Control		(Z20) Envir Studies	ronmental Engineering, Undergraduate Academic	
8.	ZRI441	Materi	al handling tion	systems for environmenta	I and labor	(Z01) Safe	ety at Work, Undergraduate Academic Studies	
9.	ll1037	Disass	embly and	recycling technologies		(I10) Indus Studies	strial Engineering, Undergraduate Academic	
10.	P322	Introdu	uction to Pre	ecision Engineering		(P00) Proo Studies	duction Engineering, Undergraduate Academic	
11.	ZC036	Measu	irement and	d control of pollution		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies	
12.	P1409	Materi	al Control S	Systems and CAI		(PM0)Pro	duction Engineering, Master Academic Studies	
13.	P1501	Ecolog	gical Techno	ologies and Systems		(M40) Tec Academic	hnical Mechanics and Technical Design, Master Studies	
						(PM0)Pro	duction Engineering, Master Academic Studies	
14.	Z416A	Enviro	nment Prot	ection System Manageme	nt	(PM0) Pro	duction Engineering, Master Academic Studies	
15.	1907	Autom	ated Assen	nbly Systems for High Acc	uracy	(H00) Med (PM0) Pro	chatronics, Master Academic Studies iduction Engineering. Master Academic Studies	
16	P321	Rever	se Engineer	ring and Rapid Prototyping	3	(110) Indus	strial Engineering, Master Academic Studies	
17	PIP16	Plastic	s and envir	conmental protection	2	(PM0) Pro	duction Engineering Master Academic Studies	
18.	PLIS1	Logisti	cs and Sim	ulation in Technologies of	Plastics	(PM0) Pro	duction Engineering, Master Academic Studies	
19.	PP103	Measu	irement and	tools in precision engine	ering	(PM0)Pro	duction Engineering, Master Academic Studies	
20.	SM3	Softwa	are support	for reverse engineering ar	nd CAQ	(PM0) Pro	duction Engineering, Master Academic Studies	



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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

List of sources hai	na hald by the	toophor in the o	coroditod otudu	nrogromm
I ISLAT COURSES DEF	na neia ny me	teacher in the a	ccreatien stuay	nrogramme
				DIGGIGITITI

	ID	Course name		Study program	ne name, study type						
21.	SMI003	Software support for cutting tools an	d fixtures modeling	(PM0) Productio	on Engineering, Master Acad	lemic Studies					
22.	SZDH1	Modern Methods of Eco-design		(Z00) Environme Studies	ental Engineering, Specialise	ed Academic					
23.	DM411	Contemporary Approach to Integrati Engineering of Rapid Prototyping, To Virtual Manufacturing	on of Reverse ools, Products and	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies					
24.	DP001	Design and Research Methods in Pr Engineering	roduction	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies					
25.	DP006	State and development trends of me fixtures	etrology, quality and	(M00) Mechanic	al Engineering, Doctoral Aca	ademic Studies					
26.	DP013 Ecological Engineering Aspects (M00) Mechanical Engineering, Doctoral Academic Studies										
27.	27. DP019 Selected topics in technical diagnosis (M00) Mechanical Engineering, Doctoral Academic Studies										
28.	ZDH1	Modern Methods of Eco-design		(Z00) Environme Studies	ental Engineering, Doctoral A	Academic					
Rep	Representative refferences (minimum 5, not more than 10)										
1.	Budak I., Vukelić Đ., Bračun D., Hodolič J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization 1. Sensors Sensors 2012 Vol. 12 No.1 pp. 1100-1126 ISSN 1424-8220										
2.	Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone- Shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593.										
3.	Tadić B., Engineer	Todorović P., Vukelić Đ., Jeremić B.: ing Failure Analysis, 2011, Vol. 18, No	Failure analysis and e 5, pp. 1308-1321, IS	effects of redesigr SN 1350-6307.	n of a polypropylene yarn twi	sting machine,					
4.	Matin I., I Products	Hadžistević M., Hodolič J., Vukelić Đ., , International Journal of Advanced M	Lukić D.: A CAD/CAE anufacturing Technolo	E Integrated Inject gy, 2012, Vol. 63,	ion Mold Design System for No. 5-8, pp. 595-607, ISSN	Plastic 0268-3768.					
5.	Tadić B., burnishin Manufact	Todorović P., Lužanin O., Miljanić D., g tool to achieve high-quality surface uring Technology, 2012, ISSN 0268-3	Jeremić B., Bogdanov finish, DOI: 10.1007/s0 3768.	vić B., Vukelić Đ.: 00170-012-4508-2	Using specially designed hi 2, International Journal of Ad	igh-stiffness Ivanced					
6.	Mrkajić V urban en	., Stamenković M., Maleš M., Vukelić vironment, Carpathian Journal of Eart	Đ., Hodolič J.: Propos h and Environmental S	sal for reducing pr Sciences, 2010, V	oblems of the air pollution a ol. 5, No 1, pp. 49-56, ISSN	nd noise in the 1842-4090.					
7.	Vukelić E Advance	., Zuperl U., Hodolič J.: Complex sys d Manufacturing Technology, 2009, V	tem for fixture selectio ol. 45, No 7-8, pp. 731	n, modification, a -748, ISSN 0268-	nd design, International Jour 3768.	rnal of					
8.	Vukelić E in RFID e	., Ostojić G., Stankovski S., Lazarevio environment, Assembly Automation, 2	ć M., Tadić B., Hodolič 011, Vol. 31, No 1, pp.	J., Simeunović N 62-68, ISSN 014	.: Machining fixture assemb 4-5154.	oly/disassembly					
9.	Trifković in Accura	B., Budak I., Todorović A., Hodolič J., cy Measurement of Ceramic Crowns,	Puškar T., Jevremovie Measurement Science	ć D., Vukelić Đ.: 7 e Review, 2012, \	Application of Replica Techn /ol. 12, No 3, pp. 90-97, ISS	ique and SEM N 1335-8871.					
10.	Tadić B., Strojniški	Vukelić Đ., Hodolič J., Mitrović S., Eri vestnik - Journal of Mechanical Engir	ć M.: Conservative-Foneering, 2011, Vol. 57,	orce-Controlled Fe No 5, pp. 425-43	eed Drive System for Down I 9, ISSN 0039-2480.	Milling,					
Sur	nmary data	for teacher's scientific or art and profe	essional activity:								
Quot	ation total :		34								
Tota	of SCI(SS	CI) list papers :	21								
Curre	ent projects	:	Domestic :	3	International :	3					



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Name and last name:					Zuković M. M	iodrag			
Academic title:					Assistant Pro	fessor			
Nam	e of the inst	itution v	vhere the te	acher works full time and	Faculty of Tee	Faculty of Technical Sciences - Novi Sad			
starti	ng date:				01.12.1995				
Scier	ntific or art f	ield:			Mechanics	Mechanics			
Acad	emic caries	er	Year	Institution			Field		
Acad	emic title el	ection:	2009	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics		
PhD	thesis		2008	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics		
Magi	ster thesis		2000	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics		
Bach	elor's thesis	S	1994	Faculty of Technical Sci	ences - Novi Sa	ad	Mechanics		
List c	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.	IAKI01	Select	ed Chapters	s in Kinematics		(F10) Eng Studies	ineering Animation, Undergraduate Academic		
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies		
2	M103	Mocha	unice 1			(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
۷.	M103	Mecha				(M40) Tec Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic		
						(M20)Meo Undergrad	chanization and Construction Engineering, uate Academic Studies		
						(M30) Ene Academic	ergy and Process Engineering, Undergraduate Studies		
3.	M107	Mecha	INICS 2			(M40) Teo Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic		
						(M20) Meo Undergrad	chanization and Construction Engineering, uate Academic Studies		
4	M201	Maaba	ning 2			(M30) Energy and Process Engineering, Undergraduate Academic Studies			
4.	M201	Mecha				(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies			
						(P00) Proo Studies	duction Engineering, Undergraduate Academic		
						(M20) Mee Undergrad	chanization and Construction Engineering, uate Academic Studies		
5.	M2411	Theory	/ of Oscillati	on		(M40) Teo Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		
						(P00) Proo Studies	duction Engineering, Undergraduate Academic		
6.	M4301	Compu	uter Method	s in Mechanics		(M40) Tec Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		
						(Z01) Safe	ety at Work, Undergraduate Academic Studies		
7.	Z108	Funda	mentals of I	Mechanics		(ZC0) Clea Academic	an Energy Technologies, Undergraduate Studies		
						(Z20) Envi Studies	ronmental Engineering, Undergraduate Academic		
	DMI407	Diem	abanica			(BM0) Bio Studies	medical Engineering, Undergraduate Academic		
δ.	BMI127	BIOME	chanics			(E10) Pow Engineerin	er, Electronic and Telecommunication g, Undergraduate Academic Studies		
9.	M44061	Optimi	zation of me	echanical systems		(M40) Tec Undergrad	hnical Mechanics and Technical Design, uate Academic Studies		



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

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st	of co	ourses	beina	held by	the te	eacher	in the	accredited	study	programme

	ID	Course name		Study programme name, study type			
10.	BMIM4A	Transport phenomena and Living sy	stems	(BM0) Biomedia	al Engineering, Master Academic Studies		
11.	M45021	Computer Methods in Mechanics 2		(M40) Technical Mechanics and Technical Design, Master Academic Studies			
12.	DTM01 Computer Methods in kinematics and mechanical systems		d dynamics of	(M40) Technical Mechanics, Doctoral Academic Studies			
Representative refferences (minimum 5, not more than 10)							
1.	Zukovic, M. and Cveticanin, L.: Chaotic Responses in a Stable Duffing System of Non-ideal Type, Journal of Vibration and Control, 2007, Vol. 13, No. 6, str. 751-767, ISSN 10775463.						
2.	Zukovic,ľ 1229–12	Zukovic,M., Cveticanin,L., Chaos in non-ideal mechanical system with clearance, Journal of Vibration and Control, 15(8): 1229–1246, 2009					
3.	Miodrag Zuković, TORZIONE PARAMETARSKE OSCILACIJE CILINDRIČNOG ZUPČASTOG PARA SA EVOLVENTNIM OZUBLJENJEM, Magistarska teza, Novi Sad, 2000.						
4.	Zuković,ľ tehnologi	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.	Radomirović, D., Maretić, R., Zuković. M.,: UNUTRAŠNJE KOORDINATE RAVANSKIH KRIVIH U MEHANICI, Letopis naučnih radova, Godina 27(2003), broj 1, strana 119-127						
9.	Radomirović, D., Gligorić, Radojka, Zuković. M.,: Kretanje traktora sa jednoosovinskom prikolicom, Traktori i pogonske mašine, Vol.8, No.4, Novi Sad, Novembar, 2003, str.124-129.						
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						
Summary data for teacher's scientific or art and professional activity:							
Quotation total :			0				
Total	of SCI(SS	CI) list papers :	7				
Current projects :			Domestic :	1	International :	0	



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Study Programme Accreditation

Clean Energy Technologies



UNDERGRADUATE ACADEMIC STUDIES

Standard 10. Organizational and Material Resources

To perform a study programme, the adequate human, spatial, technical and technological, library and other resources suitable to the study programme features and predicted number of students are to be provided. Lectures on Clean Energy Technologies study programme are performed in accordance with recommendations of Accreditation Commission, and that is 2 m2 per one student.

Lectures are held in amphitheatres, classrooms and specialized computer or measurement laboratories. Library has more than 150 bibliographic units which are relevant for this study programme of Clean Energy Technologies.

All courses within the study programme of Clean Energy Technologies are accompanied by adequate textbook literature, software licenses, multimedia presentations and other modern tools that are available in sufficient numbers for the teaching process.

The Faculty has a library and reading room, and provides each student a place in the amphitheater, classroom and laboratory.

Laboratory of Applied Chemistry consists of a cabinet equipped with computers (16m2 surface) and experimental part (34m2 surface) where a complete laboratory equipment is located such as utensils, chemicals and apparatus used for internship during several courses.

In the first semester, in the course Chemistry in mechanic, in laboratory exercises during classes, students have the following experimental determinations and practical exercises: synthesis and analysis of various disperse systems and the real solution, determining the degree of purity of chemical substances, the formation of colloidal systems and analysis of physical-chemical characteristics of the given systems, the synthesis of compounds with different chemical bonds; conducting different types of oxidation-reduction reactions and detection of visual changes in their progress, the effects of various catalysts on the dynamics of the chemical reactions; formation and dynamics of chemical equilibrium in homogeneous and heterogeneous systems, monitoring and analysis of corrosion processes, electrochemical processes, electroplating and metal deposition in electro-chemical mode, analysis and behavior of the strong and weak electrolytes in solutions, electrolysis, water hardness determination.



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Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Clean Energy Technologies

Standard 11. Quality Control

The quality control of the study programme is regularly and systematically performed through selfevaluation and external quality control. The emphasis is on perennial experience and practice of interviewing students through questionnaire regarding the realization of teaching including evaluation of teachers, assistants and laboratory technicians.

The quality control of the study programme is performed through the following activities:

* interviewing students by questionnaire at the end of the lectures for the given course,

* interviewing graduated students by questionnaire about study programme quality and logistic support to the studies at the diploma awarding ceremony,

In addition, ambient conditions for studying are estimated (whether classrooms are clean and tidy)

* interviewing students by questionnaire about evaluation of logistic support to the studies at the certification of the study year,

* interviewing students by questionnaire when enrolling to the year of study. Students assess study programme of the previously completed school year,

*interviewing lecturing and non-lecturing staff by questionnaire about quality of the study programme and logistic support to the studies.

This questionnaire evaluates the work of the dean, student services, libraries, and other departments of the Faculty, including the local environment. Quality monitoring of the study programme is performed by the Commission consisting of all Heads of Departments participating in the realization of the study programmes, and one student from each year of study.



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Clean Energy Technologies

Standard 12. Distance Education

Distance learning is not available within this study programme.