
	<p>UNIVERSITY OF NOVI SAD</p> <p>FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p><b>Study Programme Accreditation</b></p> <p>UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering</p>		
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STUDY PROGRAMME ACCREDITATION MATERIAL:

# ENERGY AND PROCESS ENGINEERING

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad

2012.

Prevod sa srpskog jezika:

Jelisaveta Šafranj

Ivana Mirović

Marina Katić

Vesna Bodganović

Dragana Gak

Ličen Branislava



# Content

<u>00. Introduction</u>	3
<u>01. Programme Structure</u>	4
<u>02. Programme Objectives</u>	5
<u>03. Programme Goals</u>	6
<u>04. Graduates` Competencies</u>	7
<u>05. Curriculum</u>	8
<u>Table 5.2 Course specification</u>	8
<u>Mathematics 1</u>	9
<u>Mechanics 1</u>	10
<u>Mechanical Materials</u>	11
<u>Fundamentals of Computer Science</u>	12
<u>Chemistry in Mechanical Engineering</u>	13
<u>Technical Physics</u>	14
<u>Mathematics 2</u>	15
<u>Mechanics 2</u>	16
<u>Engineering Graphic Communications</u>	17
<u>English Language – Elementary</u>	18
<u>English Language – ESP Course</u>	19
<u>Electric Machines and Power Electronics</u>	20
<u>Electrical Engineering and Electric Machines</u>	21
<u>German Language – Pre-Intermediate</u>	22
<u>Mechanics 3</u>	23
<u>Mechanical Elements</u>	24
<u>Strength of Materials</u>	25
<u>Mathematics 3</u>	26
<u>Fundamentals in Thermodynamics</u>	27
<u>Fundamentals in Fluid Mechanics</u>	28
<u>Automatic control systems</u>	29
<u>Fuels and lubricants</u>	30
<u>Identification and reduction of pollution from industry</u>	31
<u>Technology of machinery</u>	32
<u>Tribology</u>	33



## Content

<u>Fundamentals in Ecological Oil Analysis and Gas Industry</u>	34
<u>Combustion technology</u>	35
<u>Principles of engineering management</u>	36
<u>Engineering Ethics</u>	37
<u>Discrete Mathematics</u>	38
<u>Thermodynamics</u>	39
<u>Fluid Mechanics 1</u>	40
<u>Thermoenergy Plants</u>	41
<u>Renewable Energy Sources</u>	42
<u>Energy System Engineering</u>	43
<u>Fundamentals of Process Engineering</u>	44
<u>Fundamentals of Heat Transfer</u>	45
<u>Measurement and Regulation</u>	46
<u>Fluid Machines</u>	47
<u>Pumping and Compression Stations</u>	48
<u>Professional Practice</u>	49
<u>Heating, Ventilation and Air-Conditioning</u>	50
<u>Boiler Plants</u>	51
<u>Fluid Mechanics 2</u>	52
<u>Energy audits</u>	53
<u>Natural Gas and Oil Preparation Equipment</u>	54
<u>Industrial Process Technology</u>	55
<u>Devices for Mechanical Purification</u>	56
<u>Therma Energy Ekuipment</u>	57
<u>Bachelor Thesis</u>	58
<u>Thermal Turbines 1</u>	59
<u>Heat Apparatus</u>	60
<u>Modern Energy Technologies</u>	61
<u>Gas equipment</u>	62
<u>Refrigeration Devices</u>	63
<u>Mechatronics</u>	64
<u>Hydropneumatic Components</u>	65
<u>Measurement of fluid properties</u>	66



# Content

<u>Energy efficiency</u>	67
<u>Pipeline Transportation</u>	68
<u>Energy markets</u>	69
<u>06. Programme Quality, Contemporaneity and International Compliance</u>	70
<u>07. Student Enrollment</u>	71
<u>08. Student Evaluation and Progress</u>	72
<u>09. Teaching Staff</u>	73
<u>Adžić Z. Nevenka</u>	73
<u>9.1. Science, arts and professional qualifications</u>	73
<u>Adžić Z. Nevenka</u>	74
<u>Baloš S. Sebastian</u>	77
<u>Berić B. Andrijana</u>	79
<u>Bjelaković M. Radivoje</u>	82
<u>Bogdanović Ž. Vesna</u>	83
<u>Borovac A. Branislav</u>	88
<u>Bukurov Ž. Maša</u>	90
<u>Cvetičanin J. Livija</u>	92
<u>Dobromirov P. Dušan</u>	94
<u>Doroslovački D. Rade</u>	96
<u>Dragutinović D. Gordan</u>	98
<u>Đaković D. Damir</u>	100
<u>Đurić M. Nikola</u>	102
<u>Đurić N. Slavko</u>	104
<u>Gak M. Dragana</u>	106
<u>Gerić D. Katarina</u>	111
<u>Glavardanov B. Valentin</u>	113
<u>Grahovac M. Nenad</u>	115
<u>Grković R. Vojin</u>	117
<u>Gvozdenac D. Dušan</u>	119
<u>Gvozdenac Urošević D. Branka</u>	121
<u>Jocanović T. Mitar</u>	123
<u>Jovanović S. Aleksandar</u>	125
<u>Jović Đ. Miomira</u>	127





## Content

<u>Juhas T. Anamarija</u>	129
<u>Katić M. Marina</u>	131
<u>Kiurski S. Jelena</u>	136
<u>Kostić Z. Marko</u>	138
<u>Kovačić N. Ivana</u>	140
<u>Kozmidis-Petrović F. Ana</u>	142
<u>Kuzmanović B. Siniša</u>	144
<u>Ličen S. Branislava</u>	146
<u>Lončarević M. Ivana</u>	151
<u>Lukić J. Tibor</u>	153
<u>Maretić B. Ratko</u>	155
<u>Mihailović P. Biljana</u>	157
<u>Mihajlov N. Anđelka</u>	160
<u>Milojević D. Zoran</u>	162
<u>Mirović Đ. Ivana</u>	164
<u>Mitrović M. Slavica</u>	169
<u>Nađ F. Laslo</u>	171
<u>Navalušić V. Slobodan</u>	173
<u>Nikolić M. Aleksandar</u>	175
<u>Obradović M. Ratko</u>	177
<u>Oros V. Đura</u>	179
<u>Pečujlija D. Mladen</u>	181
<u>Petrovački Lj. Nebojša</u>	183
<u>Petrović R. Jovan</u>	185
<u>Prša A. Miroslav</u>	187
<u>Radišić M. Mladen</u>	188
<u>Radonić R. Jelena</u>	190
<u>Rakarić Đ. Zvonko</u>	192
<u>Ralević M. Nebojša</u>	194
<u>Ristić V. Aleksandar</u>	196
<u>Sokolović S. Dunja</u>	198
<u>Sokolović M. Slobodan</u>	200
<u>Spasojević Đ. Momčilo</u>	201
<u>Šafranjić F. Jelisaveta</u>	203

## Content

<u>Teofanov Đ. Ljiljana</u>	208
<u>Turk-Sekulić M. Maja</u>	210
<u>Ubavin M. Dejan</u>	212
<u>Uzelac N. Dušan</u>	214
<u>Vićević D. Marija</u>	215
<u>Vilotić Ž. Dragiša</u>	217
<u>Vrgović D. Petar</u>	219
<u>Vujić V. Goran</u>	221
<u>Zuković M. Miodrag</u>	223
<u>Žigić M. Miodrag</u>	225
<u>10. Organizational and Material Resources</u>	227
<u>11. Quality Control</u>	228
<u>12. Distance Education</u>	229

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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

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





**Study Programme Accreditation**  
UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering

Standard 00. Introduction

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



## Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

### Standard 01. Programme Structure

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

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

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

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

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

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

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



## Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

### Standard 02. Programme Objectives

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

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

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

**Study Programme Accreditation**

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Energy and Process Engineering

**Standard 03. Programme Goals**

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

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

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



## Study Programme Accreditation

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### Standard 04. Graduates' Competencies

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

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

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

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

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

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



## Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

### Standard 05. Curriculum

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

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

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

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

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



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Table 5.2 Course specification

Course:		Mathematics 1					
Course id:	M102						
Number of ECTS:	7						
Teachers:		Teofanov Đ. Ljiljana, Nikolić M. Aleksandar, Mihailović P. Biljana					
Course status:		Mandatory					
Number of active teaching classes (weekly)							
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:	
3		3	0	0		0	
Precondition courses							
None							
1. Educational goal:							
Enabling students for abstract thinking, generalization and acquisition of mathematical knowledge for technical application.							
2. Educational outcomes (acquired knowledge):							
The student is able to apply mathematical models in professional courses.							
3. Course content/structure:							
Complex numbers. Determinants and systems of linear equations (Cramer's rule, Gauss algorithm). Vector algebra in space $R^3$ , line, plane. Matrices (operations, inverse matrix). Polynomials and rational functions. Number sequences, functions of one variable (boundary values, continuity, differential calculus and application).							
4. Teaching methods:							
Lectures and practice are auditory with calculation. Partial examinations (colloquia) are taken after bigger chapters.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance			Yes	5.00	Final exam - part one	Yes	35.00
Lecture attendance			Yes	5.00	Final exam - part two	Yes	35.00
Test			Yes	10.00			
Test			Yes	10.00			
Literature							
Ord.	Author		Title		Publisher		Year
1,	Jovanka Nikić, Lidija Čomić		Matematika jedan, I deo		Stylos d.o.o.		2002
2,	T.Grbić, S. Likavec, T. Lukić, J. Pantović,N. Sladoje, Lj. T		Zbirka rešenih zadataka iz matematike jedan		FTN Novi Sad		2004
3,	Nevenka Adžić		Matematika 1		CMS, FTN Novi Sad		2011



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Table 5.2 Course specification

Course:		Mechanics 1			
Course id:	M103				
Number of ECTS:	5				
Teachers:		Cvetičanin J. Livija, Zuković M. Miodrag			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses		None			
1. Educational goal:					
Acquisition of basic knowledge in Statics. This knowledge will be used as a foundation for studying Mechanical elements and Strength of materials. Besides, it is the basis which enables students to develop the ability of three-dimensional visualization by analyzing problems in space.					
2. Educational outcomes (acquired knowledge):					
Acquisition of knowledge necessary for the mechanical engineer.					
3. Course content/structure:					
1. Space and time. Motion and inaction. 2. Force as a measure of mechanical action. Static equivalent systems. 3. Projecting forces on axis. Analytical definition of force. 4. Torque as a measure of mechanical action. Torque forces. 5. Statics axioms. 6. Axioms on relationships. Relationships and relationship reactions. 7. Addition of intersecting forces. 8. Force decomposition into two components. Force decomposition into three non-parallel components in the plane. 9. Confronted system of forces in the plane. Balance conditions. 10. Theorem on three non-parallel forces in the plane. 11. Static determinacy and indeterminacy. 12. Momentum for a point. 13. Planar system of forces and torques. Balance conditions. 14. Balance of the rigid body planar system. 15. Sliding friction. 16. Rope friction on the cylindrical surface. 17. Rolling friction. Torque friction. 18. Spatial confronted system of forces. Balance. 19. Adding torques. Balance. 20. Crossed forces. 21. Momentum of the axis. 22. Spatial systems of forces and torques. 23. Reducing torsions on dynamo. Central axis. 24. Invariant of an arbitrary system of forces and torques in space. 25. Addition of two parallel forces. 26. Rigid body equilibrium. The proof of the equilibrium existence. 27. Equilibrium of a homogeneous three-dimensional body. Examples. 28. Equilibrium of homogeneous plates. Examples. 36. Equilibrium of homogeneous line. Examples. 29. Analytical statics. Small movement. The number of degrees of freedom. 30. The elementary shift of the body points. Elementary angle of body rotation. 31. Elementary work of force. Elementary work of torques. 32. Ideal relationships. 33. Principles of elementary work. 34. Stability of the equilibrium position.					
4. Teaching methods:					
Lectures are auditory, while practice is auditory and computing.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	15.00	Written part of the exam - tasks and theory	Yes 15.00
Lecture attendance		Yes	15.00	Coloquium exam	Yes 40.00
Oral part of the exam				Yes	15.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Đ. Đukić, L. Cvetičanin	Statika		FTN Novi Sad	2006
2,	I. Kovačić, Z. Rakarić	Statika - Zbirka zadataka		FTN Novi Sad	2006





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Table 5.2 Course specification

Course:		Mechanical Materials				
Course id:	M105					
Number of ECTS:	8					
Teacher:	Gerić D. Katarina					
Course status:	Mandatory					
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
4	0	3	0	1		
Precondition courses		None				
1. Educational goal:						
Acquisition of basic knowledge in the field of science on materials and materials used in mechanical engineering.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge is used to establish relationship between characteristics and properties of materials and application of materials in different mechanical parts and structures.						
3. Course content/structure:						
Introduction about materials in general. Dependency of material properties from atomic, crystal micro and macro structures. Characteristic of atomic and crystal material structures. Imperfections (errors) in crystals. Crystal plasticity. Theory of alloying. Characteristic types of phase diagrams, one-, two- and three- component systems. Phase transformations liquid/solid and solid/solid. Mechanisms of material strengthening and fracture. Classification and characteristics of engineering materials: 1. Metal materials. Impact of microstructure on metal material properties. Importance of mechanical properties and their experimental determination. Metal materials based on iron, copper and aluminium, properties and application. 2. Ceramic materials – structure, properties and application. 3. Polymers – structure, properties and application. 4. Composite materials (nano, micro, and macro composite materials). Properties and application. Selection of materials.						
4. Teaching methods:						
The course is interactive in the form of lectures and laboratory practice. During lectures theoretical part of the course is presented and followed by typical examples for better understanding. During laboratory practice, acquired knowledge is applied on the available laboratory equipment. Besides lectures and practice, consultations are held on a regular basis.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance		Yes	5.00	Coloquium exam	Yes	20.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes	50.00
Term paper		Yes	10.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title		Publisher		Year
1,	L. Šidanin, K. Gerić	Mašinski materijali I - sveska 1		FTN, Novi Sad		2007
2,	L. Šidanin, K. Gerić	Mašinski materijali I - sveska 2		FTN, Novi Sad		2007
3,	L. Šidanin, K. Gerić	Mašinski materijali I - sveska 3		FTN, Novi Sad		2007
4,	V. Đorđević	Mašinski materijali		Mašinski fakultet , Beograd		2001
5,	H.Šuman	Metalografija		Tehnološko – metalurški fakultet		1981


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Table 5.2 Course specification

Course:		Fundamentals of Computer Science							
Course id: M111									
Number of ECTS: 2									
Teachers:									
Course status:		Mandatory							
Number of active teaching classes (weekly)									
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:		
0		0		2		0	0		
Precondition courses							None		
1. Educational goal:									
Enabling students to work on the basic software for general purposes.									
2. Educational outcomes (acquired knowledge):									
Acquired knowledge is a basis for more massive use of computers, especially for the group of courses based on the computer application in mechanical engineering.									
3. Course content/structure:									
Basic concepts in the field of computer technologies. Fundamentals of operating system Microsoft Windows. Text editing software Microsoft Word. Spreadsheet software Microsoft Excel. Presentation design software Microsoft PowerPoint. Internet, basic concepts and tools – Internet Explorer and Outlook Express. Fundamentals of programming in Visual Basic.									
4. Teaching methods:									
Computer Practice and Colloquiums in typical software modules. During practice students have to take three colloquiums. Colloquiums are taken during practice, and are done on the computer. The student has to pass all three colloquiums in order to get the permission to take the final examination.									
Knowledge evaluation (maximum 100 points)									
Pre-examination obligations				Mandatory	Points	Final exam		Mandatory	Points
Homework				Yes	30.00	Written part of the exam - tasks and theory		Yes	70.00
Literature									
Ord.	Author			Title			Publisher		Year
1,	Luković I., Stefanović D., Rakić M., Stefanović N.			Osnove računarskih tehnologija i programiranja, priručnik za vežbe			FTN, Novi Sad		2002
2,	Krsmanović C., Stefanović D., Vasić V., Živanić D.			Osnovi računarstva, priručnik za vežbe – skripta			FTN, Novi Sad		2005



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Table 5.2 Course specification

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)					
Lectures:	Practical classes:	Other teaching types:	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.					
3. 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. Thermochemistry. 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)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Laboratory exercise defence		Yes	20.00	Coloquium exam	No 20.00
Lecture attendance		Yes	5.00	Coloquium exam	No 20.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	M. Vojinović Miloradov, M. Turk Sekulić, J. Radonić	HEMIJA (interna skripta)		FTN, Novi Sad,	2011
2,	M. Vojinović Miloradov et al.	RADNA SVESKA, Praktikum sa uputstvima za vežbe iz predmeta HEMIJA U MAŠINSTVU		FTN, Novi Sad	2012
3,	O. Stojanović, N., Stojanović, Đ. Kosanović	ŠTETNE I OPASNE MATERIJE		Rad, Beograd	1995
4,	I. Filipović, S. Lipanović	OPĆA I ANORGANSKA KEMIJA I, II (odabrana poglavlja)		Školska knjiga, Zagreb	1991
5,	S. Arsenijević	OPŠTA I NEORGANSKA HEMIJA (odabrana poglavlja)		Naučna knjiga, Beograd	1998
6,	G. W. vanLoon and S. J. Duffy	Environmental Chemistry		Oxford University Press Inc., New York	2011
7,	P. Monk	Maths for Chemistry		Oxford University Press Inc., New York	2006
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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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Technical Physics			
Course id:	M101				
Number of ECTS:	4				
Teachers:	Kozmidis-Petrović F. Ana, Lončarević M. Ivana				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses					
None					
1. Educational goal:					
Acquisition of basic knowledge in technical physics.					
2. Educational outcomes (acquired knowledge):					
Basic knowledge in technical physics.					
3. Course content/structure:					
Fundamental forces and conservation laws. Special theory of relativity. Fundamentals of electrostatics. Electric field and potential. Conductors and dielectric in an electric field. Electricity. DC, resistance. Modern theory of conductivity. Semiconductors. Electromagnetism. The magnetic field of electricity. Electromagnetic induction. Magnetic field energy. AC. Magnetic field in the material. Diamagnetism, paramagnetism, ferromagnetism. Wave propagation and acoustics. Wave equation. Doppler effect. Power and volume. The absorption of sound. Ultrasound. Optics. The basic laws of geometrical optics. Regular reflection. Diffuse reflection. Index refraction. Dispersion. Optical instrument. Wave optics. Polarization. Diffraction of light and X – ray diffraction. Color. Dualism of light. Heat radiation. Black body and Planck law. Photoeffect. Stimulated emission. Lasers. Physical basis of nuclear engineering. Radioactive decays. Nuclear reactors. Particle accelerators.					
4. Teaching methods:					
Lectures, Laboratory Practice, Computing Practice, Consultations.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Laboratory exercise defence		Yes	20.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Ana Petrović	Osnovi primenjene fizike		Univerzitet u Novom Sadu Fakultet Tehničkih Nauka	2007



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	<h2>Study Programme Accreditation</h2> <p>UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Mathematics 2			
Course id:	M106				
Number of ECTS:	7				
Teachers:	Teofanov Đ. Ljiljana, Lukić J. Tibor, Kostić Z. Marko, Adžić Z. Nevenka				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	3	0	0	0	
Precondition courses					
None					
1. Educational goal:					
Students are able to think in an abstract way, generalize and acquire mathematical knowledge for the application in technology.					
2. Educational outcomes (acquired knowledge):					
Students are able to apply mathematical models in engineering sciences.					
3. Course content/structure:					
Real functions and variables (boundary values, differential calculus and their application). Indefinite integral, definite integral and their application. Ordinary differential equations of the first and higher order. Linear differential equations of n-th order.					
4. Teaching methods:					
Lectures and practical classes are auditory and calculation. Students are assigned homework for individual work and after larger units partial examination are taken.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Final exam - part one	Yes 35.00
Lecture attendance		Yes	5.00	Final exam - part two	Yes 35.00
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Irena Čomić, Nataša Sladoje	Integralni račun		FTN, Novi Sad	1997
2,	Irena Čomić, Aleksandar Nikolić	Diferencijalne jednačine		FTN Novi Sad	1999
3,	Nevenka Adžić	Matematika 2		CMS, FTN, Novi Sad	1999



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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Mechanics 2			
Course id:	M107				
Number of ECTS:	5				
Teachers:		Cvetičanin J. Livija, Zuković M. Miodrag			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses		None			
1. Educational goal:					
To develop abstract thinking and acquire basic knowledge in the field of Kinematics as the fundamental subject necessary for studying geometry of motion.					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge necessary for the future mechanical engineer.					
3. Course content/structure:					
1. Time, space, objects and motion in kinematics. 2. Vector of point position. Trajectory and line of point direction. 3. Mean velocity and point acceleration. Momentary speed and point acceleration. 4. Hodographs of the point speed and acceleration. 5. Speed and point acceleration in Cartesian, polar, natural coordinates. 7. Point movements along the circle. 8. Translatory motion of a rigid body. 9. Circulation of body around a fixed axis. 10. Uniform and evenly changeable rotation of a rigid body around an axis. 11. Complex translatory movement. 12. Rotation of body around two axes which are intersected. 13. Motion of a body in the same direction around two parallel axes. 14. Motion in the opposite direction along two parallel axes. 15. Angle speed. 16. Intersection of angle speeds. 17. Complex body movement. 18. Plain motion of a rigid body. 19. Connection of point speeds in plain motion. 20. Independence of angle speed in a plain motion from the pole selection. 21. Theorem on speed projections of two points in plain motion. 22. Temporary speed pole of the plain motion. 23. Centroids. 24. Relationship of acceleration of body points in plain motion. 25. Momentary pole of acceleration in a plain motion. 26. Spherical motion of a rigid body. Number of degrees-of-freedom. 27. D'Alamber-Euler's theorem. 28. Euler's numbers. 29. Angle speed and angle acceleration of a body in spherical movement. 30. Speed and acceleration of the body points in spherical motion. 31. Axioms. 32. Free body motion. 33. Speed and acceleration of body points in free movement. 34. Complex point movement. 35. Speed and acceleration of a point in complex movement.					
4. Teaching methods:					
Lectures and practical classes.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	15.00	Written part of the exam - tasks and theory	Yes 15.00
Lecture attendance		Yes	15.00	Coloquium exam	Yes 40.00
Oral part of the exam				Yes	15.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Đ. Đukić, L. Cvetičanin	Kinematika		FTN Novi Sad	2005
2,	R. Maretić	Kinematika - Zbirka zadataka		FTN Novi Sad	2004



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Table 5.2 Course specification

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





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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		English Language – Elementary				
Course id:	EJ01L					
Number of ECTS:	2					
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranjić F. Jelisaveta				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		0	0	0		0
Precondition courses						
None						
1. Educational goal:						
Mastering English language essentials: pronunciation of English sounds, adoption of vocabulary related to everyday situations, mastering the basics of English language morphology and syntax.						
2. Educational outcomes (acquired knowledge):						
Students are capable of using both oral and written English language in simple everyday situations.						
3. Course content/structure:						
Use of articles, nouns (plural), adjectives (types, possessive adjectives, comparison), pronouns (personal and possessive), auxiliary verbs (be, do, have), modal verbs. Construction and use of tenses (Present Simple, Present Continuous, Present Perfect, Past Simple, future forms. Interrogative and negative forms. Vocabulary related to daily topics: introductions, family, leisure time, business, food and drink, naming and describing daily objects, describing people and places, etc.						
4. Teaching methods:						
Communicative method is used since the objectives and content are directed towards communication, which is very complex. Emphasis is on students` communication with the teacher and among themselves, and on equal development of all language skills.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	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		
Literature						
Ord.	Author		Title		Publisher	Year
1,	John and Liz Soars		New Headway Elementary		Oxford University Press	2002
2,	N. Coe, M. Harrison, K. Peterson		Oxford Practice Grammar - Basic		OUP	2006
3,	grupa autora		Oxford Serbian - English Dictionary		Oxford University Press	2006





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Table 5.2 Course specification

Course:		English Language – ESP Course					
Course id:	EJM						
Number of ECTS:	3						
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranjić F. Jelisaveta					
Course status:		Elective					
Number of active teaching classes (weekly)							
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:
2		0		0		0	0
Precondition courses				None			
1. Educational goal:							
Mastering the most important terminology related to profession. Developing strategies for understanding texts in a foreign language. Enabling students for reading and understanding the original English texts from various sources related to the specific aspects of graphic engineering and design. Developing oral and written communication related to these topics, using adequate vocabulary and more complex sentence structures.							
2. Educational outcomes (acquired knowledge):							
Mastering the most important terminology related to profession. Developing communication strategies for understanding the professional text. Enabling students to read and understand original English texts from diverse sources related to certain aspects of science and technology. Developing oral and written communication using adequate vocabulary and complex sentence structures. Students can read diverse literature in this area and they can discuss professional topics in and English language using terminology and sentence structure characteristic for their future profession.							
3. Course content/structure:							
Processing contemporary professional texts in the English language related to diverse aspects in their field of studying. Developing strategies for understanding a professional text. Mastering fundamental and most used terms related to profession. Adopting language functions, such as: comparison, classification, expressing purpose or function, describing components, causal relations, etc. Most common prefixes, suffixes, compounds and collocations. Passives, participles. Reduced relative clauses (active and passive), reduced time clauses (active and passive).							
4. Teaching methods:							
Communicative approach is used since goals and content are communication-related, which is very complex. This method equally develops written and oral skills. Students relate the information from the texts to their own experience and knowledge obtained from other courses. New vocabulary is adopted and practiced using oral and written exercises. Knowledge on certain grammar topics is repeated and expanded. Students are encouraged to communicate in English as much as possible during the organized class segments or in groups.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory	Points
Test			Yes	10.00	Written part of the exam - tasks and theory	Yes	40.00
Test			Yes	10.00	Oral part of the exam	Yes	30.00
Test			Yes	10.00			
Literature							
Ord.	Author		Title			Publisher	Year
1,	Eric H.Glendinning, Norman Glendinning		Oxford English for Electrical and Mechanical Engineering			Oxford University Press	1996
2,	Jeremy Comfort, Steve Hick, Allan Savage		Basic Technical English			Oxford University Press	1996
3,	R. Popić		Naučno tehnički rečnik			Privredni pregled	1989


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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering</p>	

Table 5.2 Course specification

Course:		Electric Machines and Power Electronics				
Course id: M109						
Number of ECTS: 7						
Teacher:		Oros V. Đura				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		0	2		0	1
Precondition courses None						
1. Educational goal:						
To provide the future engineers with the necessary level of knowledge in the area of electric machines and power electronics.						
2. Educational outcomes (acquired knowledge):						
Readiness for independent scientific and research work in the area of synthesis of drive mechanism of power machines.						
3. Course content/structure:						
Modelling the components of drive systems. Model levels, quasi-static and dynamic models, concentration of model parameters. Model reduction. Stationary and transitional work mode. Solving the equation of motion and determining section load in the chain of drive mechanism elements. Modelling the electric motor: asynchronous cage and slip ring motor, synchronous motor, DC motor with series, separate and combined excitation. Modelling the systems of electrical motor feeding. Modelling the power transfer in a drive system: mechanical, hydro-dynamic, hydro-static and pneumatic. Modelling the control and regulation sub-systems. Computer simulation of drive operation. Commercial software.						
4. Teaching methods:						
Lectures. Practice classes: numerical (N), laboratory (L), computer (C). Individual consultations. The examination consists of the development and defence of an individual paper and an oral part.						
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 25.00
Lecture attendance			Yes	5.00	Oral part of the exam	Yes 25.00
Test			Yes	10.00		
Test			Yes	10.00		
Test			Yes	10.00		
Test			Yes	10.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	Levi, E., Vučković, V., Strezoski, V.		Osnovi elektroenergetike, elektroenergetski pretvarači		Stylos-FTN	1997
2,	Vukić, Đ		Elektrotehnika		Naučna knjiga	1991
3,	V. Teodorović		Električne pogonske mašine		Naučna knjiga	1978



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Table 5.2 Course specification

Course:		Electrical Engineering and Electric Machines					
Course id:	M112						
Number of ECTS:	7						
Teachers:		Đurić M. Nikola, Juhas T. Anamarija, Oros V. Đura, Prša A. Miroslav					
Course status:		Elective					
Number of active teaching classes (weekly)							
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:	
3		2	0	0		1	
Precondition courses							
None							
1. Educational goal:							
To acquire basic knowledge in the field of applied electrical engineering, electromechanical energy conversion, electric machines and their application in traffic and means of transportation.							
2. Educational outcomes (acquired knowledge):							
Students will be able to understand fundamental notions on time invariant and time varying electric currents with the aspects of application in electric machines. They will know the notions on electricity and electric properties of materials used for manufacturing active parts in electric machines. They will be able to understand the working process and calculations related to electric machines, as well as their practical application in traffic and in means of transportation.							
3. Course content/structure:							
Fundamental notions on electric energy. Direct currents. Alternating currents. Principles of solutions for electric networks. Organization of a contemporary electrical and power system. Production, transmission and consumption of electrical power. Electric surroundings of an electric machine. Principles of electromechanical energy conversion. Types of electric machines, basic elements and properties. Transformers. Rotational electric machines. Alternating current machines. Asynchronous machines. Cage and Sliding ring motors. Direct current machines. Synchronous machines. Basic notions on electrical motor powers and application of power electronic devices. Examples of electric machine application in traffic (alternator, starter engine).							
4. Teaching methods:							
Lectures on the board, auditory practice and work in the laboratory through the demonstrated and individual laboratory practice.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise defence			Yes	20.00	Written part of the exam - tasks and theory	Yes	70.00
Test			Yes	10.00	Coloquium exam	No	50.00
Literature							
Ord.	Author	Title			Publisher		Year
1,	Miroslav Prša	Osnovi elektrotehnike za studente neelektrotehničkih fakulteta			Stylos		1995
2,	Milanković M., Perić D.	Osnovi Elektroenergetike			Viša elektrotehnička škola, Beograd		2002
3,	Levi, E., Vučković, V., Strezoski, V	Osnovi Elektroenergetike			Stylos-FTN		1997
4,	Miroslav Prša, Laslo Juhas	Osnovi elektrotehnike - zbirka zadataka za studente neelektrotehničkih fakulteta			FTN Izdavaštvo		2001



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Table 5.2 Course specification

Course:		German Language – Pre-Intermediate				
Course id: NJ02L						
Number of ECTS: 2						
Teachers:		Berić B. Andrijana, Jović Đ. Miomira				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
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 outcomes (acquired knowledge):						
Students are capable of using both oral and written language in a number of everyday situations by using the expanding vocabulary and more complex grammar structures.						
3. Course content/structure:						
Practical part of the course: comprehending complex everyday spoken situations, developing the ability to understand the listened text. Theoretical part of the course: imperfect, part of passive structures, certain infinitive structures, subject and object clauses, conjunctive 2, question pronouns, relative pronouns with relative clauses, asking questions in indirect speech, final sentences with the linking word damit, verb rection, verb use of comparative and superlative, certain time sentences.						
4. Teaching methods:						
Emphasis is on communication, implying students` activity during the classes. During the communication, mutual interaction is essential.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	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		
Literature						
Ord.	Author		Title			Publisher Year
1,	H. Aufderstraße, H. Bock, J. Müller. H. Müller		Themen aktuell 2			Hueber Verlag 2004



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Table 5.2 Course specification

Course:		Mechanics 3			
Course id:	M201				
Number of ECTS:	7				
Teachers:		Cvetičanin J. Livija, Kovačić N. Ivana, Zuković M. Miodrag			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	3	0	0	0	
Precondition courses					
None					
1. Educational goal:					
Developing abstract intelligence for understanding dynamics and dynamical processes, as well as acquiring basic knowledge in dynamics as a fundamental field in mechanical engineering in everyday practice.					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge is used by students in further education, as well as in their own practice after graduating.					
3. Course content/structure:					
Laws on dynamics. Types of forces. Tasks of dynamics. Differential equations for point motion. First integrals. Impulse, work, power and potential force energy. General laws on point dynamics. Stability of balanced point position. Properties of point motion in the field of central force. Point motion in the field of gravity force. Relative point motion. Point motion on smooth, rotational and immovable surface in the field of Earth's gravity. Point motion on a line. Dynamics of the material point systems. Force classification. Equations on motion. General laws on the material system dynamics. Dynamics of the changeable mass point. Mescherski equation. Tsiolkovsky equation. Dynamic system torsor. D'Alamber's principle. Work of internal forces of a rigid body. Work of couplings and moment of force. Translatory body motion. Moment of inertia. Steiner theorem. Moment of inertia in relation to a random axis. Centrifugal moment of inertia. Ellipsoid of inertia. Main and main central axis of inertia. Body rotation around an immovable axis. Plain motion of a rigid body and the rigid body system. Body rotation around immovable point. Approximate gyroscope theorem. Real and virtual motion. Ideal connections. Lagrange-D'Alamber principle. Generated coordinates. Generated forces. Lagrange equations of the second type. Lagrange function. Cyclic coordinate. Stability of the relative system balance. Fundamentals in the impact theory for a material point. Impact of the material point systems. Lagrange equations of the second type in impact.					
4. Teaching methods:					
Lectures are auditory for all students, practice are held in smaller groups.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	15.00	Written part of the exam - tasks and theory	Yes 15.00
Lecture attendance		Yes	15.00	Coloquium exam	Yes 40.00
Oral part of the exam				Yes	15.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Božidar Vujanović	Dinamika		Naučna knjiga, Beograd	1976
2,	Đorđe Đukić, Teodor Atanacković, Livija Cvetičanin	Mehanika		Univerzitet u Novom Sadu	2005



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Table 5.2 Course specification

Course:		Mechanical Elements							
Course id:	M202								
Number of ECTS:	9								
Teacher:		Kuzmanović B. Siniša							
Course status:		Mandatory							
Number of active teaching classes (weekly)									
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:		
4		4		0		0	0		
Precondition courses							None		
1. Educational goal:									
To enable students for independent designing of mechanical elements and systems.									
2. Educational outcomes (acquired knowledge):									
Acquired knowledge is used in further education related to professional courses.									
3. Course content/structure:									
General definition of mechanical elements. Standardization and standard numbers. Surface roughness. Tolerances. Temperature influence on contiguous changes. Measurement chains. Fundamental mechanical characteristics of mechanical materials. Load of mechanical elements (types, origin, classification, and application in time). Behaviour of mechanical elements under load (tension, stress and strain). Ideal and real materials. Stress concentration. Static strength. Material wear. Dynamic persistence, permanent or temporary limitations, in constant and alternating load regimes. Influences on dynamic persistence of mechanical elements. Working, critical allowed and calculated stresses. Safety of mechanical elements. Screw relations. Group screw relations. Thread transmitters. Rivets. Mechanical transmitters. Friction pairs. Gear pairs. Worm pairs. Chain pairs. Shafts, spindles and pins. Elements for the connection of shafts and heads. Roller bearings. Sliding bearings. Couplings. Springs.									
4. Teaching methods:									
Lectures, auditory (A), computing (N) and graphical (G) practical classes and consultations.									
Knowledge evaluation (maximum 100 points)									
Pre-examination obligations				Mandatory	Points	Final exam		Mandatory	Points
Exercise attendance				Yes	5.00	Theoretical part of the exam		Yes	30.00
Graphic paper				Yes	20.00				
Lecture attendance				Yes	5.00				
Test				Yes	10.00				
Test				Yes	10.00				
Test				Yes	10.00				
Test				Yes	10.00				
Literature									
Ord.	Author			Title			Publisher		Year
1,	S. Kuzmanović			MAŠINSKI ELEMENTI-oblikovanje, proračun i primena			FTN Novi Sad		2012
2,	V. Miltenović			MAŠINSKI ELEMENTI			MF Niš		2009
3,	M. Ognjanović			MAŠINSKI ELEMENTI			MF Beograd		2008
4,	S. Kuzmanović, R. Trbojević, M. Rackov			ZBIRKA ZADATAKA IZ MAŠINSKIH ELEMENATA			FTN Novi Sad		2006



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Table 5.2 Course specification

Course:		Strength of Materials						
Course id:	M204							
Number of ECTS:	9							
Teachers:		Glavardanov B. Valentin, Maretić B. Ratko						
Course status:		Mandatory						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:	
4		4		0		0	0	
Precondition courses							None	
1. Educational goal:								
Enabling students to analyse stresses and deformations occurring in structural elements, as well as to solve statically determinate and indeterminate problems. Dimensioning of structural elements.								
2. Educational outcomes (acquired knowledge):								
The acquired knowledge enables students to recognize and analyse stress conditions and deformations for elastic bodies on whose basis they can perform the dimensioning of elements. Students are capable to individually solve problems in the field of strength of materials, both in the field of advanced courses at the faculty and in the engineering practice.								
3. Course content/structure:								
Main tasks in strength of materials. Cross section method. Cauchy-Euler hypothesis. Stress matrix. Deformation measures. Axially loaded pole: statically determinate and statically indeterminate. Torsion of circular cross-section poles: stress and strain. Pole bending: normal stresses. Bending deformations: elastic line. Method of deformation work. Pole stability, critical buckling force. Hypothesis on failure. Contemporary materials in engineering: high elastic, pseudo-elastic and memory materials.								
4. Teaching methods:								
Lectures. Auditory practice. Consultations. In lectures, the theoretical part of the course content is presented and complemented by characteristic examples. In practice, additional tasks are completed to broaden the lecture content. Regularly, in previously determined terms, consultations are held every week. Course content is divided into three modules: first module (axially loaded pole, torsion) and second module (bending) and third module (buckling, deformation work) which are all passed separately. If one does not take modules to pass, they can take written examination which is eliminatory.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Exercise attendance			Yes	3.00	Oral part of the exam		Yes	50.00
Homework			Yes	5.00				
Homework			Yes	5.00				
Homework			Yes	5.00				
Lecture attendance			Yes	2.00				
Test			Yes	10.00				
Test			Yes	10.00				
Test			Yes	10.00				
Literature								
Ord.	Author		Title			Publisher		Year
1.	J. Mandić		Otpornost materijala			Naučna knjiga, Beograd		1992
2.	T. Atanacković		Teorija elastičnosti			FTN, Novi Sad		1993





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Table 5.2 Course specification

Course:		Mathematics 3			
Course id:	M4201				
Number of ECTS:	8				
Teachers:	Lukić J. Tibor, Ralević M. Nebojša				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
4	2	0	0	0	
Precondition courses					
None					
1. Educational goal:					
Enabling students in abstract thinking and acquiring basic knowledge in order theory, integral transformations, integrals, field theory and partial differential equations.					
2. Educational outcomes (acquired knowledge):					
courses by using the learnt course material related to order theory, integral transformations, integrals, field theory and partial differential equations.					
3. Course content/structure:					
Lectures: Order theory (numerical, functional, degree and Fourier orders). Integral transformations (improper integral, Laplace and Fourier transform). Integrals (double, triple, curved line and surface integral. Formulas for connections). Field theory (vector function for one or more variables, limit value, continuity, extension. Scalar fields, extension in direction, gradient, Hamilton operator. Vector fields, rotor, divergence, work, circulation, flux). Partial differential equations (PDE of first order. PDE of second order, hyperbolic, parabolic and elliptic equations. Numerical calculations of PDE). Practice classes: At practice, adequate examples from the theoretical classes are solved in order to practice the course content, and thus, practice classes contribute to the understanding of the course content.					
4. Teaching methods:					
Lectures, numerical – computing practice. Consultations. Lectures are held in a combined manner. The presentation of the theoretical part is supplemented by adequate examples adding to the explanations of the theoretical course content. At practice classes that follow lectures, characteristic exercises are completed and the course content in explained in more detail. Apart from lectures and practice, consultations are held regularly. A part of the course content that makes a logical unit can be taken during the teaching process in the form of the following 3 parts (part one: order theory and integral transformations; part two: integrals and field theory; part three: partial differential equations). Oral part of the final examination is eliminatory.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Theoretical part of the exam	Yes 35.00
Lecture attendance		Yes	5.00	Practical part of the exam - tasks	Yes 35.00
Test		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	N. Adžić, I. Kovačević, V. Marić, V. Ungar	Matematička analiza 2		FTN, Edicija- Tehničke nauke (1), Novi Sad	1996
2,	M. Stojaković	Matematička analiza 2		Symbol, Novi Sad	2004
3,	N. M. Ralević, L. Čomić	Zbirka rešenih ispitnih zadataka iz matematičke analize II		Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad	2003
4,	I. M. Kovačević, V. S. Marić, N. M. Ralević	Integrali funkcija više promenljivih i teorija polja		FTN Novi Sad	2012





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Table 5.2 Course specification

Course:		Fundamentals in Thermodynamics				
Course id: M203L						
Number of ECTS: 5						
Teacher:		Dragutinović D. Gordan				
Course status:		Mandatory				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
2		2	0		0	0
Precondition courses None						
1. Educational goal:						
Introducing thermodynamic structure, thermodynamic concepts and methods for solving problems of energy conversion.						
2. Educational outcomes (acquired knowledge):						
Acquiring basic knowledge in solving technical tasks of thermal power engineering, thermal process engineering and designing thermal machines and plants.						
3. Course content/structure:						
(1) Thermodynamic system. Mechanical and thermodynamic axioms: conversion of mass, of impulse, first and second law of thermodynamics. (2) Equations of state: Thermal and caloric equations of state for substances (ideal gases, real gases – water and water vapour). (3) Processes. Perfect and real processes. Circular processes and thermodynamic efficiency of these processes (clockwise and counter-clockwise vapour and gas processes).						
4. Teaching methods:						
Lectures and auditory practice. Practice classes follow the lectures and include the advanced level of students` independence in solving assignments.						
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 70.00
Lecture attendance		Yes	5.00			
Test		Yes	20.00			
Literature						
Ord.	Author	Title			Publisher	Year
1,	M. Marić	Nauka o toploti - termodinamika, prenos toplote, sagorevanje			Univerzitet u Novom Sadu, Fakultet tehničkih nauka	2006
2,	Đ. Kozić, B. Vasiljević, V. Bekavac	Priručnik za termodinamiku i prostiranje toplote			Građevinska knjiga, Beograd	1983
3,	M. J. Moran, H.N. Shapiro	Fundamentals of Engineering Thermodynamics			John Wiley & Sons, Inc.	1992
4,	Y. A. Cengel, M.A. Boles	Thermodynamics: An Engineering Approach			McGrow-Hill	1998
5,	D. Malić, B. Đorđević, V. Valent	Termodinamika strujnih procesa			Građevinska knjiga, Beograd	1970


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Table 5.2 Course specification

Course:		Fundamentals in Fluid Mechanics			
Course id:	M205L				
Number of ECTS:	5				
Teacher:	Bukurov Ž. Maša				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	1	1	0	0	
Precondition courses					
None					
1. Educational goal:					
Introduction to the physical properties of fluids and behaviour of fluids at rest and in motion.					
2. Educational outcomes (acquired knowledge):					
Acquisition of knowledge for solving problems in the field liquid and gas at rest and in motion (dimensioning of containers and reservoirs, dimensioning of pipelines, determining flow characteristics).					
3. Course content/structure:					
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. Teaching methods:					
The course is held by using modern equipment (all lectures are done in Power Point), but also by using classical methods – chalk and blackboard. There are a number of movies in fluid mechanics being presented to the students, but also assigned for homework. Objects related to the lectured units are brought to class when possible (pipe elements, measurement instruments). Practice is divided into computing practice (10 weeks) and laboratory (5 weeks). Computing practice accompanies lectures and examination problems are solved on board by gradual display of results. Laboratory practice is held at once for 6 hours, where students carry out experiments and use obtained results to get end results and to draw graphs. Students have to complete practice for homework in order to defend their results and get approval for them at the next laboratory practice class.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	2.00	Oral part of the exam	Yes 50.00
Laboratory exercise attendance		Yes	3.00		
Lecture attendance		Yes	5.00		
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Maša Bukurov	Osnovi mehanike fluida		skripta	2012
2,	Žarko Bukurov	Mehanika fluida		Fakultet tehničkih nauka	1987
3,	Žarko Bukurov, Petar S. Cvijanović	Mehanika fluida zadaci		Fakultet tehničkih nauka	1982
4,	Maša Bukurov, Bogoljub Todorović, Siniša Bikić	Zbirka zadataka iz osnova mehanike fluida		FTN izdavaštvo	2011



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Table 5.2 Course specification

Course:		Automatic control systems			
Course id:	M3409				
Number of ECTS:	6				
Teachers:		Petrovački Lj. Nebojša, Ristić V. Aleksandar			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	1	0	0	1	
Precondition courses		None			
1. Educational goal:					
Students learn about theoretical and practical bases of science of system control					
2. Educational outcomes (acquired knowledge):					
The acquired knowledge can be used in solving practical engineering problems and forms a basis for future engineering subjects					
3. Course content/structure:					
Basic concepts and principles of the automatic control systems . Mathematical description of continuous linear and nonlinear systems. Rating the quality of governance in the stationary and transient regime. Stability analysis of systems analysis methods. The concept of the state space of the system. Selection and setup parameters of industrial controllers: PID controller. Introduction to digital control systems, the basic characteristics of industrial control devices.					
4. Teaching methods:					
Llectures, calculation, laboratory and computer-laboratory practice. Consultation. Tests and exams are oral and written. Test and the written part of the examination shall be in written form part of the final exam is oral. Exam score is based on the success of the tests, and the final written exam.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Test		Yes	10.00	Oral part of the exam	Yes 30.00
Test		Yes	10.00	Practical part of the exam - tasks	Yes 40.00
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	M. Stojić	Kontinualni sistemi automatskog upravljanja		Naučna Knjiga, Beograd	1978
2,	B. Kovačević, Ž. Đurović	Sistemi automatskog upravljanja- zbornik rešenih zadataka		Nauka, Beograd	1995
3,	D. Kukolj i ostali	Osnove klasične teorije automatskog upravljanja kroz rešene primere		Somel, Sombor	1995
4,	D. Kukolj, F. Kulić	Projektovanje sistema automatskog upravljanja u prostoru stanja		Univerzitet u Novom Sadu, Novi Sad	1995
5,	Richard C. Dorf; Robert H. Bishop	Modern Control Systems		Addison-Wesley	1998



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Table 5.2 Course specification

Course:		Fuels and lubricants						
Course id:	M3201							
Number of ECTS:	5							
Teacher:		Vičević D. Marija						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:		
2		2	0		0	1		
Precondition courses		None						
1. Educational goal:								
Introduction to the basic processes and problem solving in the fields of (fossil) fuels, lubricants and combustion.								
2. Educational outcomes (acquired knowledge):								
Students acquire knowledge in fields of fuels and lubricans required for process engineering and energetics.								
3. Course content/structure:								
The role, development, and fuel consumption. Fossil fuel and oil refining. Hydrocarbons and synthetic lubricants. Physical and chemical characteristics of fuel. Determination of physical and chemical characteristics of fuel. Introduction to combustion. Development and consumption of lubricants. Lubrication theory. General classification of lubricants and additives. Lubricants and lubrication of machines. Lubricants and lubrication of mechanical systems. Maintenance and recycling. Technical regulations.								
4. Teaching methods:								
Lectures, auditory practice, laboratory practice, consultations.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Exercise attendance			Yes	5.00	Theoretical part of the exam		Yes	60.00
Lecture attendance			Yes	5.00	Oral part of the exam		Yes	10.00
Project task			Yes	10.00				
Test			Yes	10.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	George E. Totten, Steven R. Westbrook, Rajesh J. Shah		Fuels and Lubricants Handbook: Technology, Properties, Performance, and Testing			ASTM Manual Series		2003
2,	Aleksandar Rac		Maziva i podmazivanje mašina			Mašinski Fakultet Beograd		2007
3,	Aleksandar Rac		Maziva i podmazivanje mašina			Mašinski Fakultet Beograd		2007
4,	Jean-Claude Guibet, Emmanuelle Faure-Birchem		Fuels and Engines: Technology, Energy, Environment, Volume 2			Editions Technip		1997
5,	Robert Curley		Fossil Fuels			Britannica Educational Publishing		2012



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Table 5.2 Course specification

Course:		Identification and reduction of pollution from industry			
Course id:	M3202				
Number of ECTS:	6				
Teachers:	Vujić V. Goran, Mihajlov N. Anđelka, Ubavin M. Dejan				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	1	1	0	1	
Precondition courses					
None					
1. Educational goal:					
Introducing students to the design process in the field of environmental engineering as a segment of the overall design, and practical analysis of the production process in order to define the environmental impact and monitoring.					
2. Educational outcomes (acquired knowledge):					
The acquired knowledge is directly applicable in the engineering practice as well as for understanding and upgrading of knowledge and of other specialized subjects.					
3. Course content/structure:					
The process of designing, process of creating plans and project documentation from 0 to obtaining the Construction Permit. The purpose of preparing projects in environmental engineering and their place in design: Environmental Impact assessment, strategic impact assessment, Risk assessment of chemical accidents, IPPC permit for integrated pollution prevention and control and EDD for environmental assessment of commercial entities that are subject to investment or lending. Material flow in the economic entity, the application of MFA (Material Flow analysis) as a tool for the identification of polluting materials and wastes generated in the process. Analysis of key manufacturing processes for production and service sectors in the region and defining polluting materials discharged in qualitative and quantitative terms. Review of legislation related to these plants on environmental issues and emissions into the ambient air, water, soil as waste and hazardous waste. Engineering design of environmental protection as an integral part of the manufacturing process which has a positive influence on the operation of the plant or company.					
4. Teaching methods:					
The lectures are held in the form of interactive lectures, auditory, laboratory and computer exercises. Lectures present the theoretical part of the material accompanied by characteristic examples for easy understanding of the material. At the auditory exercises characteristic tasks are performed and presented material is deepened. In addition to lectures and exercises consultations are regularly held. Part of the material, which makes it a logical unit, can be taken during the teaching process through colloquium. Colloquia are taken in written form as tests. Exam score is based on: the presence at the lectures and exercises (auditory and computer), the success of colloquia and written exam (combined tasks and theory).					
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 60.00
Graphic paper		Yes	30.00	Coloquium exam	No 10.00
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Goran Vujić, Dejan Ubavin, Nemanja Stanisavljević, Bojan Batinić	Upravljanje otpadom u zemljama u razvoju		FTN	2012
2,	Goran Vujić	Monitoring u zaštiti životne sredine (skripta sa predavanja)		FTN	2010
3,	Goran Vujić	Projektovanje i planiranje u zaštiti životne sredine		FTN	2011



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	<b>Study Programme Accreditation</b>	
	<p>UNDERGRADUATE ACADEMIC STUDIES</p>	<p>Energy and Process Engineering</p>

Table 5.2 Course specification

Course:		Technology of machinery				
Course id:	M3203					
Number of ECTS:	5					
Teachers:	Vilotić Ž. Dragiša, Baloš S. Sebastian, Bukurov Ž. Maša, Spasojević Đ. Momčilo					
Course status:	Elective					
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
2	2	0	0	1		
Precondition courses		None				
1. Educational goal:						
Introduction to the basic concepts and methods in engineering technology. Qualifying students for work in the activities of designing and application of welding and sheet metal forming processes at the level of basic calculation (basic engineering).						
2. Educational outcomes (acquired knowledge):						
Preparing students for the design, manufacture and installation of thermo-energetic and processing equipment.						
3. Course content/structure:						
Metal forming technology (MFT) - Definition, classification and application - Materials and their behavior during forming - Sheet metal cutting - Sheet bending - Rotary drawing - Metal forming machines - Manufacturing of processing and thermal equipment by MFT - Engineering diameter - Trends of MFT development. Welding - definition, classification and application - Materials and their behavior during welding - Constructing and calculation (selection and types of welded joints, the behavior of welded structures under different loads, Basic calculation of welded joints, Introduction to fracture mechanic, Realisation of welded structures for predominantly static loading - Production of processing equipment by welding-Engineering diameter - Defects in welded joints - Quality assurance in welding - Assessment of working ability and life of welded joints - Trends of development of welding technology.						
4. Teaching methods:						
Lectures, calculation and auditory exercises, consultations.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points	
Presentation		Yes	10.00	Theoretical part of the exam	Yes 70.00	
Term paper		Yes	20.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	M. Bogner	Zavarivanje		Mašinski fakultet beograd	2007	
2,	Miroslav Plančak, Dragiša Vilotić	Tehnologija plastičnog deformisanja		Fakultet tehničkih nauka	2012	



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Table 5.2 Course specification

Course:		Tribology				
Course id:	I401					
Number of ECTS:	5					
Teacher:	Jocanović T. Mitar					
Course status:	Elective					
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
2	2	0	0	0		
Precondition courses						
None						
1. Educational goal:						
Acquiring knowledge and enabling students for further application and practical work in the field of tribology in domain of real systems in accordance with tribological, energetic, economic and ecological principles of sustainable development.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge and experiences utilized in further scientific and research work.						
3. Course content/structure:						
Fundamentals of triboanalysis. Collecting and systematization of scientific information and on fundamental aspects of friction and wear processes.						
Tribomaterials. Development of new materials from tribological aspect and determination of tribological characteristics of the existing materials. Development and methods of determination of tribological characteristics of all sorts of lubricants.						
Tribotechnology – Working processes which form contact surfaces and methods for their improvement.						
Tribometrics – methods of friction force measurement in contact zones, methods for wear measurements of tribosystem elements, temperature, nonsmooth surfaces, counture size and actual contact surface, contact deformation.						
Tribodiagonositcs – Methods for continuous control of tribological parameters in tribosystems and their elements during the process of equipment utilization.						
Tribobilogy – Studying processes of friction and weare in tribo-mechanic systems in human bodies.						
4. Teaching methods:						
Lectures, consultations, direct communication with industrila systems. Students write seminar papers with cooperation of the professor in the field of subject. Part of the subject content is passed in the form of an exam. The final grade is formed in accordance with total student's involvment during the semester and final 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	70.00
Lecture attendance		Yes	5.00			
Term paper		Yes	20.00			
Literature						
Ord.	Author	Title			Publisher	Year
1.	Savić Vladimir	TRIBOLOGIJA I PODMAZIVANJE			IKOS, Novi Sad	1995





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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering</p>	

Table 5.2 Course specification

Course:		Fundamentals in Ecological Oil Analysis and Gas Industry			
Course id:	M3315				
Number of ECTS:	6				
Teachers:		Sokolović M. Slobodan, Sokolović S. Dunja			
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 basic principles and modern methods of ecologic analysis in oil and gas industry.					
2. Educational outcomes (acquired knowledge):					
Ability to work independently on designing, management and application of integrated ecological projects in oil and gas industry.					
3. Course content/structure:					
Sustainable development and oil gas industry. Indicators of sustainable development and oil-gas industry. Systems of ecologic management and oil-gas industry. Basic principles of ecologic analysis of oil-gas industry. LCA analysis and oil-gas industry. Trends in EU and domestic legislation. Climatic changes and oil-gas industry. Strategy. Identification of pollution sources in the process research of oil and gas, preparation for transport, transport of oil and gas processing, distribution and application. Basic principles of ecologic risk assessment. Modern methods in ecologic risk assessment and their application in oil and gas industry. Waste flow management in oil-gas industry. IPPC and Seveso directive.. HSE systems in oil-gas industry. Analysis of HSE system in the leading world companies. Analysis of the most famous ecologic catastrophe in the field of oil and gas. Standards of ecologic reporting.					
4. Teaching methods:					
Lectures and Auditory Practice, Consultations.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Coloquium exam	No 20.00
Graphic paper		Yes	20.00	Theoretical part of the exam	Yes 60.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 10.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Stefan T. Orszulik	Environmental Technology in the Oil Industry		Springer	2010
2,	Glenn W. Suter	Ecological Risk Assessment		CRC press New York	2006
3,	Christine M. Jasch	Environmental and Material Flow Cost Accounting: Principles and Procedures (Eco-Efficiency in Industry and Science)		Springer Sci.	2010
4,	Charles Woolfson and Matthias Beck	Corporate Social Responsibility Failures in the Oil Industry (Work, Health and Environment) (Work, Health and Environment Series)		2005 Baywood Publishing Co. New York	2005





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Table 5.2 Course specification

Course:		Combustion technology			
Course id:	M3507				
Number of ECTS:	5				
Teacher:	Vičević D. Marija				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses					
None					
1. Educational goal:					
Enabling students for: constructing, designing, exploitation, engineering and consalting in the field of energy conversion and non conventional fuels.					
2. Educational outcomes (acquired knowledge):					
Acquiring fundamental knowledge on problems and methodology of solving problems during construction, designing, managing plants (stationary and non stationary in terms of load shift), engineering and consulting of thermal and energy plants.					
3. Course content/structure:					
1. Introduction. Flame. Fundamental definition.2. Fuel and combustion. Combustion phenomenology. Fuels characteristics. 3. Combustion processes thermo dynamics. Fundamentals in transport and chemical kinetics. Chemical reaction mechanisms. 4. Inflammation processes.					
5. Laminar flame with previous mixing. Laminar flame without previous mixing. Combustion stability. Burners with previous mixing. 6. Combustion during turbulent flowing. Diffusion flame during free outflow. Diffusion flame during forced outflow. Diffusion burners. 7. Liquide fuels combustion. Burners for liquid fuels. 8. Solid fuels combustion. Specific characteristics. Solid fuels combustion technologies – combustion in layers and space. Special forms of combustion. Waste combustion. 9. Flames and burning place. 10. Economy of burning place systems. Definitions, energy balance, losses, efficiency. 11. Combustion and environment.					
4. Teaching methods:					
Lectures, computer and auditory practical classes, consultations, seminar paper. The final grade is formed on the basis of achievements in computer practical classes, seminar paper and exam. Alternatively the exam can be taken partially in two partial examination.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Theoretical part of the exam	Yes 30.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 40.00
Term paper		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Pešenjanski I.	Tehnika sagorevanja - u pripremi		Fakultet tehničkih nauka, Novi Sad	2012
2,	Warnatz J., Maas U., Dibble R.W.	Combustion		Springer	2000
3,	Radovanović, M.	Goriva		Mašinski fakultet, Beograd	1994
4,	Joksimović Tjapkin, S.	Procesi sagorevanja		Tehnološko-metalurški fakultet, Beograd	1987
5,	J. M. Beer	Industrial flames		Edward Arnold, London	1972


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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Principles of engineering management				
Course id:	IM1007					
Number of ECTS:	5					
Teacher:	Mitrović M. Slavica					
Course status:	Elective					
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
2	2	0	0	1		
Precondition courses		None				
1. Educational goal:						
The following are the educational objectives of the course of Principles of engineering management as a scientific and teaching discipline: 1) to study and analyze the nature, purpose and domain of management in the industrial system; 2) to understand the success factors of the industrial system; and 3) to introduce students with the basic engineering/managerial functions, methods, techniques, principles, knowledge and skills.						
2. Educational outcomes (acquired knowledge):						
After mastering the subject relating to the principles of engineering management, students will be able to understand and apply the basic principles, methods, and functions of engineering management (planning, organizing, leading and controlling), as well as the factors influencing the dynamics of the industrial system, with the aim of creating conditions for permanent growth in productivity and efficiency, as a basis for improving the business quality of industrial systems.						
3. Course content/structure:						
Theoretical instruction: Introduction to Management. Management as skill, science and profession. Management in the past and nowadays. Interdisciplinary of management. Engineering management in modern business. Engineers as managers. The views and goals of engineers-managers. Management skills and knowledge. Principles and functions of engineering management. Planning: Planning basics, planning process, decision-making. Organizing: The necessity of organizing, designing organizational structures, departmentalization, models of organizational structure. Leadership (management): the role of communication in management (process and types), the importance of motivation in management, leadership as a determinant of engineering management. Controlling: Basic functions of controlling, types, styles, and process of controlling; Modern approaches in engineering management: green management, CRM, BSC, LEAN, managing diversity. The future of engineering management. Practical instruction: exercises using practical examples from the field of management, and analyzing and resolving case studies and assignments.						
4. Teaching methods:						
Lectures are presented in terms of analyzing theoretical concepts and resolving specific problems from the area of managing industrial systems. Part of the course consists of lectures presented by visiting managers of industrial systems. Exercises include group work, writing and presenting seminar papers and visiting successful industrial systems.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points	
Exercise attendance		Yes	5.00	Oral part of the exam	Yes 50.00	
Lecture attendance		Yes	5.00			
Term paper		Yes	20.00			
Test		Yes	10.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Mitrović, S. Melović, B.	Principi savremenog menadžmenta - inženjerski pristup		Fakultet tehničkih nauka u Novom Sadu	2012	
2,	Chang, C.M.	Engineering Management: Challenges in New Millennium		Prentice Hall	2005	
3,	Williams, C.	Principi menadžmenta		Data Status	2011	



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Table 5.2 Course specification

Course:		Engineering Ethics						
Course id:	IM1052							
Number of ECTS:	5							
Teachers:		Pečujlija D. Mladen, Vrgović D. Petar						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:	
2		2		0		0	0	
Precondition courses							None	
1. Educational goal:								
The subject is aimed at students create a sensitivity to ethical issues, empower them to proper ethical reasoning, behavior, and application of acquired knowledge in all aspects of professional life.								
2. Educational outcomes (acquired knowledge):								
Students gain theoretical knowledge of the philosophical and psychological theories of morality and the relation of religion and morality. Also, students gain practical knowledge and application of stakeholder analysis instruments governing the ethics and application of acquired knowledge in the engineering profession								
3. Course content/structure:								
Introduction. Ethics and engineering. Moral judgment in engineering. Conventional morality and ethical relativism. Utility and utilitarianism. Moral duty and justice. Religion and morality. Moral responsibility, virtue and moral judgment. Stakeholder theory and analysis. Ethics management instruments. Engineering and values??. Engineering Ethics. The theory of dual use. Judicial and economic systems. Corporations and morality. Safety, risk and environmental protection. Marketing, advertising and truth. Protection of intellectual property rights. Information Technology, and Ethics. Workers' rights, employment, and labor unions. The rights and obligations of employees in the firm. Accounting, Finance and ethical finance. International business, multinational companies and morale. Corruption. The global common good								
4. Teaching methods:								
Lectures, case studies, practical exercises and consultations.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Exercise attendance			Yes	5.00	Oral part of the exam		Yes	70.00
Lecture attendance			Yes	5.00				
Term paper			Yes	20.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Mladen Pečujlija,Ilija Ćosić		A professor's moral thinking at the abstract level vs. the professor's moral thinking in real life situation (consistency problem). Science and Engineering Ethics			Springer		2011
2,	Mladen Pečujlija		Psychology of Morality			Nova Publisher		2012
3,	Ričard T. Di Džordž		Poslovna etika			Filip Višnjić		2003



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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Discrete Mathematics			
Course id:	IM1523				
Number of ECTS:	5				
Teachers:	Doroslovački D. Rade, Adžić Z. Nevenka, Teofanov Đ. Ljiljana				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	1	
Precondition courses					
None					
1. Educational goal:					
Enabling students to think abstractly and gain new knowledge in the field of elementary, general, abstract and linear algebra, as well as in the fundamentals of classic combinatorics.					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge is used in further education and professional courses. Mathematical models are designed and solved in professional courses using the material from this course.					
3. Course content/structure:					
Lectures (Theoretical lectures). Logic, relations, functions, Boolean algebra, groups, rings, fields, polynomials, complex numbers, finite fields, free vectors, analytical geometry in space (vector!), determinants, systems of linear equations, vector space, matrices, characteristic roots and vectors. Practice lectures (lab): In laboratory exercises adequate examples and tests from the theoretical lectures are done in order to exercise lectured theory where exercises contribute to understanding of the theory.					
4. Teaching methods:					
Lectures; Computing practice. Consultations. Lectures are dynamic and interactive. In lectures theoretical part of the course is presented accompanied by characteristic and representative examples in order to better understand the matter. In practice, which follows lectures, typical problems are solved and lectured theory is deepened. Besides lectures and practice, regular consultations and group consultations are also held. Part of the course, which is a logical unit, can be passed within the teaching process in the following 2 modules (the first module: relations, functions, Boolean algebra, groups, rings, fields, polynomials, complex numbers, finite fields, free vectors, analytical geometry in space (vector!); the second module: determinants, system of linear equations, vector space, matrices, characteristic roots and vectors. Theoretical part is passed through the test (elimination and basic), Practical part is passed through solving five serious problems.					
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 20.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 50.00
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Doroslovački R.	Principi algebre: opšte, linearne i diskretne		FTN, Novi Sad	2012
2,	Doroslovački R., Nedović L.J.	Testovi iz diskretne matematike i linearne algebre		FTN, Novi Sad	2011
3,	Doroslovački R., Nedović L.J.	Zbirka ispitnih zadataka iz diskretne matematike		FTN, Novi Sad	2006



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Table 5.2 Course specification

Course:		Thermodynamics				
Course id:	M210					
Number of ECTS:	6					
Teachers:		Dragutinović D. Gordan, Spasojević Đ. Momčilo				
Course status:		Mandatory				
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
3	3	0	0	0		
Precondition courses						
None						
1. Educational goal:						
Introduction to the classical structure of thermal plants and air conditioning machines (right-turn and left-turn circular processes), and processes with mixtures.						
2. Educational outcomes (acquired knowledge):						
Acquisition of basic knowledge for solving technical problems of thermal energy and designing heating machines and plants.						
3. Course content/structure:						
1) Classical structures of thermal energy processes and cooling plants with simple working substances. 2) Mixtures (solutions) without chemical reactions, mixture state equation, processes and plants with mixtures as working substances. 3) Humid air and processes with humid air.						
4. Teaching methods:						
Lectures and Auditory Practice. Practice accompanies lectures and includes high level of student independency in solving problems.						
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	70.00
Lecture attendance		Yes	5.00			
Test		Yes	20.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	M. Marić	Nauka o toploti - termodinamika, prenos toplote, sagorevanje		Univerzitet u Novom Sadu, Fakultet tehničkih nauka	2006	
2,	D. Malić, B. Đorđević, V. Valent	Termodinamika strujnih procesa		Građevinska knjiga, Beograd	1970	
3,	Đ. Kozić, B. Vasiljević, V. Bekavac	Priručnik za termodinamiku i prostiranje toplote		Građevinska knjiga, Beograd	1983	
4,	M. J. Moran, H.N. Shapiro	Fundamentals of Engineering Thermodynamics		John Wiley & Sons, Inc.	1992	
5,	Y. A. Cengel, M.A. Boles	Thermodynamics: An Engineering Approach		McGrow-Hill	1998	
6,	J. Howel, R. Buckius	Fundamentals of Engineering Thermodynamics		McGrow-Hill Book, Inc.	1987	



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Table 5.2 Course specification

Course:		Fluid Mechanics 1				
Course id:	M212					
Number of ECTS:	7					
Teacher:		Bukurov Ž. Maša				
Course status:		Mandatory				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		2	1		0	0
Precondition courses						



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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering</p>	

Table 5.2 Course specification

Course:		Thermoenergy Plants			
Course id:	M3302				
Number of ECTS:	6				
Teachers:		Grković R. Vojin, Jovanović S. Aleksandar			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	2	0	0	1	
Precondition courses					
1. Educational goal:					
Enabling students for designing, exploitation, engineering and consulting in the field of thermoenergy plants on the basis of fundamental calculation (basic engineering).					
2. Educational outcomes (acquired knowledge):					
Fundamental knowledge on thermo energy plants, thorough knowledge on processes in plants, criteria for calculation as well as knowledge of all processes calculation in thermoenergy plants and operation states on the basis of basic engineering. Dimentioning of equipment in thermoenergy plants on the basis of basic engineering.					
3. Course content/structure:					
General energy frame (Energy, energy systems, TEP, TEP types, TEP displaying, TEP structure). Electroenergy and thermoenergy systems in Serbia. (Power Utility Systems in Serbia, energy systems in Belgrade and Novi Sad). Previous TEP defining (Energy needs forecasting – TEP implementation in energy system– according to energy and power – TEP implementation in the environment. Fundamental TEP processes (Combustion processes, heat transfer process, process of energy transformation in TEP – with steam turbine, with gas turbine with cooling and with combined steam and gas turbine – Material degradation process and life expectancy, risk assessment). Basic TEP equipment (steam generators, steam and gas turbines, electro equipment). Fundamental TEP operation technologies (stationary – project and noncalculation states and non stationary – transitionsl states ).TEP ragulation (Manners and effects – advantages and disadvantages). Supporting TEP systems (Refrigeration systesm, Ecological systems, fuel supply systems). TEP operation economy.					
4. Teaching methods:					
Vebal method, Visual method and practical method.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	0.00	Written part of the exam - tasks and theory	Yes 70.00
Exercise attendance		Yes	5.00		
Graphic paper		Yes	20.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Grković V. i Jovanović A.	Termoenergetska postroje-nja – procesi i oprema		FTN, Novi Sad	2010





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Table 5.2 Course specification

Course:		Renewable Energy Sources			
Course id:	M3311				
Number of ECTS:	6				
Teachers:	Gvozdenac D. Dušan, Gvozdenac Urošević D. Branka				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	2	0	0	0	
Precondition courses		None			
1. Educational goal:					
Acquiring knowledge of the potential applications of renewable energy sources.					
2. Educational outcomes (acquired knowledge):					
Training students to use knowledge gained in further education and future engineering practice.					
3. Course content/structure:					
Energy, economy and environment (general section). Solar energy: resources, solar technologies (PV technologies, technology conversion of solar heat), solar systems (PV economically independent and interactive systems, distribution and central entrance systems), use of ocean thermal energy. Wind energy: resources, use of wind energy, machines working on the wind (VAWT and hawt), systems based on wind power (independent and interactive), technical problems and solutions. Hydro energy: resources, use of driving forces of water, estimates of available energy, momentum and reaction turbines, hydro power plants as part of power systems, small hydro, wave energy usage. Geothermal energy: types of geothermal resources, resources, technology and systems to exploit them (direct or indirect usage) effects on the environment. Biomass: biomass characteristics, technologies and systems for biomass (combustion, gasification, pyrolysis), biofuels. Nuclear energy: the process of obtaining nuclear energy, nuclear fuel, nuclear installations (reactors, power plants), nuclear waste (legislation). New technologies (fuel cells, compressed hydrogen ...). Energy storage: general part, the accumulation of hydro energy, electrochemical energy storage (batteries), the process of electrolysis, the stored energy of compressed hydrogen, the accumulation of energy momentum.					
4. Teaching methods:					
Lectures, and computer exercises, mentoring, consultancy. Under the supervision students write seminar paper in groups for the selected area / topic that individually defend in front of colleagues and teachers. Selection of topics is consistent with students' interests. The teacher assesses the work and the presentation of each candidate and the average score is established by the audience (students). The final test covers the whole teaching material during the lectures and it is eliminatory. The final grade comprises the evaluations of seminar paper, the test result and student's overall activity during lecture hours.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Theoretical part of the exam	Yes 70.00
Lecture attendance		Yes	5.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1.	B. Nakomčić	Alternativna energetika - skripta		Interno izdanje FTN-a	2003





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Table 5.2 Course specification

Course:		Energy System Engineering			
Course id:	M222A				
Number of ECTS:	4				
Teachers:		Gvozdenac D. Dušan, Gvozdenac Urošević D. Branka			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses		None			
1. Educational goal:					
Training students to be able to organize and manage the engineering process regarding the energy systems.					
2. Educational outcomes (acquired knowledge):					
The knowledge will enable students to work in engineering practice.					
3. Course content/structure:					
Summary of clean-energy technology concept, importance, types, effects; Engineering approach to the energy and environmental projects; Identification and quantification of savings and benefits of clean energy technology projects; Evaluation and analysis of non-economic benefits to society arising from the execution of those projects; Calculations and potential effects of carbon dioxide reduction using clean technologies; Making "Cost-benefit" analysis; Elements and methods for economic efficiency of the engineering-investment projects; Understanding the elements of the feasibility study; Management and monitoring of project implementation; Risk Assessment analysis; Financing mechanisms, including specific forms of financing for projects related to environmental protection and clean energy technologies; Legislation in Serbia and the European Union, possible governmental mechanisms for the promotion and subsidies of clean energy technologies; During exercises will be analyzed case studies, material from lectures and calculations. Getting to know the relevant software programs.					
4. Teaching methods:					
Lectures, practice, consultation.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Project task		Yes	15.00	Theoretical part of the exam	Yes 70.00
Project task		Yes	15.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Behrens, W., Haweanek, P.M.	PRIRUČNIK ZA VREDNOVANJE INDUSTRIJSKIH PROJEKATA		UNIDO, Beograd	1990
2,	Gvozdenac Urošević B, Gvozdenac D, Anđelković A	Inženjering energetske sistema (skripta)			2011



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Table 5.2 Course specification

Course:		Fundamentals of Process Engineering				
Course id:	M3303					
Number of ECTS:	6					
Teachers:		Sokolović S. Dunja, Dragutinović D. Gordan, Đaković D. Damir, Đurić N. Slavko				
Course status:		Mandatory				
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 basic concepts and methods of problem solution in the field of process engineering, as well as with the applications to the specific processes and plants.						
2. Educational outcomes (acquired knowledge):						
Knowledge gain about methods of process operations analysis, as well as about application possibilities of process operations within industrial plants in various branches of industry.						
3. Course content/structure:						
Determination and interpretation of Process Engineering (definition determination and and characterization of PE, examples, classifications and divisions, task and roles of the Mechanical Engineering profession, necessary foundations for dealing with PE). Basic concepts and definitions in PE (working and auxiliary mediums, multicomponent substances, concentration, apparatus-process units, technological relations, processing concept in PE). Basic process operations (operations without additional mediums, operations with additional mediums, complex process operations). Concept of equilibrium and transfer phenomena in multicomponent heterogeneous environments (equilibrium conditions, different ways of expression of transfer potential expression, fluxes, convective transfer). Application of sustainable principles in multicomponent environments – balance methods (general derivation of transfer equations and macro balance equations, balance procedures). Fluid mechanics of multiphase systems as a basis of PE. Thermodynamics of mixtures as a basis of PE. Theory of diffusional mass transfer as a basis of PE. Chemical kinetics and PE. Similarity theory, modeling and simulation in PE. Efficiency of process operations and systems. Application of numerical technique and computers in PT. Monitoring, regulation and management of process plants. Economics of process systems. Methods and procedures of optimization in PT. Methods of energy integration. Process databases and calculations. Process plants and environment.						
4. Teaching methods:						
Lectures, computing and cuditory exercises, consultation. The course grade is formed based according to the success at the computing exercises and examination. Alternatively, the examination can be taken through two colloquiums. If a student passes both colloquiums, (s)he does not take the examination.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Coloquium exam		No	20.00	Written part of the exam - tasks and theory	Yes	30.00
Coloquium exam		No	20.00	Written part of the exam - tasks and theory	Yes	20.00
Exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes	20.00
Lecture attendance		Yes	5.00			
Test		Yes	10.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title		Publisher		Year
1,	Dimić Milan	Osnovi procesne tehnike, skripte		FTN, Novi Sad		2005
2,	Jaćimović B. i Genić S.	Toplotne operacije i aparati, deo 1, Rekuperativni razmenjivači toplote		Mašinski fakultet, Beograd		2004
3,	Dimitrije Voronjec	Tehnološke operacije		Mašinski fakultet, Beograd		1988
4,	S. Stanišić	Tehnološke operacije II Toplotne i difuzione operacije		Tehnološki fakultet, Novi Sad		1978



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Table 5.2 Course specification

Course:		Fundamentals of Heat Transfer				
Course id: M215						
Number of ECTS: 7						
Teacher:		Dragutinović D. Gordan				
Course status:		Mandatory				
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	Final exam	Mandatory Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance			Yes	5.00		
Test			Yes	20.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	D. Milinčić		Prostiranje toplote		Naučna knjiga, Beograd	1989
2,	M. Marić		Nauka o toploti - termodinamika, prenos toplote, sagorevanje		Univerzitet u Novom Sadu, Fakultet tehničkih nauka	2006
3,	Đ. Kozlič, B. Vasiljević, V. Bekavac		Priručnik za termodinamiku i prostiranje toplote		Građevinska knjiga, Beograd	1983
4,	F. Incropera, D. DeWitt		Fundamentals of Heat and Mass Transfer		John Wiley & Sons, Inc.	1985
5,	D. Pits, L. Sissom		Theory and Problems of Heat Transfer		Shaum"s Outline Series, McGrow-Hill	1998
6,	J. Lienhardd IV, J. Lienhardd V		A Heat Transfer Textbook			2002
7,	D. Milinčić, B. Vasiljević, R. Đorđević		Problemi iz prostiranja toplote		Građevinska knjiga, Beograd	1983



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Table 5.2 Course specification

Course:		Measurement and Regulation				
Course id: M211						
Number of ECTS: 6						
Teachers:		Đaković D. Damir, Grković R. Vojin, Gvozdenac D. Dušan, Petrović R. Jovan				
Course status:		Mandatory				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		2	0	0		0
Precondition courses None						
1. Educational goal:						
Introduction to students of measurement devices characteristics, measurement specificity of some process parameters, and to training for analysis of measuring and regulatory equipment use in Thermal Process Engineering.						
2. Educational outcomes (acquired knowledge):						
Acquisition of theoretical and practical knowledge in the fields of measuring and regulatory technique.						
3. Course content/structure:						
Importance of measurement and regulation in Thermal Process Engineering, general terms. Functional analysis of measuring devices. General characteristics of measuring devices. Errors during engineering measurements. Measurement units and standards of basic properties. Measurement of temperature, pressure, flow, heat flow, fluid levels, moisture, combustion products composition etc. Concept of process regulation. Regulatory systems.						
4. Teaching methods:						
Lectures. Laboratory exercises, consultation. The exam is in written form. The grade is formed according to the success at written exam, defend of laboratory works and classes attendance.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Laboratory exercise attendance			Yes	5.00	Theoretical part of the exam	Yes 60.00
Lecture attendance			Yes	5.00		
Project defence			Yes	30.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	Prof. Dr Dušan Gvozdenac	Merenje i regulisanje u termoprocesnoj tehnici				2001



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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Fluid Machines			
Course id:	M3403				
Number of ECTS:	7				
Teachers:	Bukurov Ž. Maša, Sokolović S. Dunja, Uzelac N. Dušan				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
4	2	0	0	1	
Precondition courses					
1. Educational goal:					
Acquisition of knowledge necessary for application and design of fluid machine – pumps and ventilators.					
2. Educational outcomes (acquired knowledge):					
Design, work and maintenance of pumps, ventilators and compressors.					
3. Course content/structure:					
Definition of fluid machines; schematic display of centrifugal, diagonal and axial turbines; basic types of turbines; kinematics of current; Euler's equation for turbines; working characteristics of turbines (flow, effort, needed power, utilization degree, cavitation reserve); experimental determination of working characteristics; similarity laws; non-dimensional characteristics; cavitation; flow control; working stability; connecting more machines to the mutual pipeline; axial force; line theory; calculation of radial working circuits by line method; calculation of stator elements of centrifugal machine: planar theory; application of the finite difference methods and calculation of working circuits of fluid machines: working circuits with distorted plates; planar profile bars: calculation of axial working circuits; designing and theoretical differences between pumps, ventilators and compressors; novelties in theory and practice of turbines.					
4. Teaching methods:					
Lectures, Auditory and Laboratory Practice					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Graphic paper		Yes	30.00	Written part of the exam - tasks and theory	Yes 30.00
Lecture attendance		Yes	10.00	Oral part of the exam	Yes 30.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Vlatko Vuković	Uvod u hidropneumatsku tehniku		FTN - STYLOS	1998
2,	Bogdan Ristić	Pumpe i ventilatori		Narodna knjiga	1997
3,	Lj. Krsmanović	Turbomašine		Mašinski fakultet Beograd	1987
4,	Z. Protić, M. Nedeljković	Pumpe i ventilatori		Mašinski fakultet Beograd	1992
5,	Tuzson, J	Centrifugal pump design		John Willey and Sons Inc, New York	2000
6,	Karl Hainz Konka	Schrauben kompressoren		VDI-Verlag GmbH	1988
7,	Werner Fister	Fluidenenergie-maschinen 1		Springer-Verlag	1984
8,	Werner Fister	Fluidenenergie-maschinen 2		Springer-Verlag	1984
9,	Carl Pfeleiderer, Hartwig Petermann	Stromungs-maschinen		Springer-Verlag	1986



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Table 5.2 Course specification

Course:		Pumping and Compression Stations				
Course id: M3301						
Number of ECTS: 6						
Teachers:		Bukurov Ž. Maša, Sokolović S. Dunja, Uzelac N. Dušan				
Course status:		Mandatory				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
3		3	0	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 Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance			Yes	5.00		
Presentation			Yes	10.00		
Test			Yes	10.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	D. Uzelac	Pumpne i kompresorske stanice			FTN	2004
2,	B. Ristić	Pumpe i pumpne stanice			Naučna knjiga	1991
3,	J. Mutschmann, F. Stimmelmayer	Snabdevanje vodom			Građevinska knjiga	1998
4,	V. Vuković	Uvod u hidropneumatsku tehniku			FTN	1996
5,	Robert E. McCabe, Philip G. Lanckton	Metering pump handbook			Industrial Press Inc.	1984



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Table 5.2 Course specification

Course:		<h2 style="margin: 0;">Professional Practice</h2>			
Course id:	M33SP				
Number of ECTS:	3				
Teachers:					
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
0	0	0	0	3	
Precondition courses		None			
<p>1. Educational goal:</p> <p>Acquiring practical knowledge about functioning and organization of the companies and institutions dealing with the profession the student is trained for, and possibilities of practical application of previously acquired knowledge.</p>					
<p>2. Educational outcomes (acquired knowledge):</p> <p>Enabling students to apply previously acquired theoretical and professional knowledge for solving specific, practical, engineering problems within the chose company or institution. Introducing students to the jobs of the chosen company or institution, to the operating methods, to the management and place and role of engineering in their organizational structures.</p>					
<p>3. Course content/structure:</p> <p>It is formed for each student individually in agreement with the company or institution management where the professional practice is done, and in accordance with the needs of the profession student is being trained for.</p>					
<p>4. Teaching methods:</p> <p>Consultations and writing of the professional practice journal where the student describes activities and jobs done during the professional practice.</p>					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory      Points
Literature					
Ord.	Author	Title		Publisher	Year





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Table 5.2 Course specification

Course:		Heating, Ventilation and Air-Conditioning			
Course id:	M3305				
Number of ECTS:	8				
Teacher:	Bjelaković M. Radivoje				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
4	1	2	0	1	
Precondition courses		None			
1. Educational goal:					
Development of engineering approach in design and implementation of installations and plants in the field of heating, ventilation and air – conditioning.					
2. Educational outcomes (acquired knowledge):					
Acquisition of knowledge for design and implementation of installations and plants in the field of heating, ventilation and air-conditioning. The use of acquired knowledge in further education and practice.					
3. Course content/structure:					
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 system. System classification. Ventilation chamber. Air ducts. Calculation and selection of ventilation plant equipment. Air conditioning systems. Classification of the system. 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 conditioning system control.					
4. Teaching methods:					
Lectures, Practice, Consultations, Visits to the installations and plants. During lectures theoretical part of the course is presented followed by examples of the designed or implemented solutions in the practice. Practice accompanies lectures where laboratory exercises and computing examples are done related to the lectured knowledge. During consultations additional explanations related to the lectures and practice are given. Consultations are also done during making designs and term papers. In order to better understand and acquire full knowledge in the course, typical installations and plants are visited.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	10.00	Oral part of the exam	Yes 30.00
Homework		Yes	10.00		
Lecture attendance		Yes	5.00		
Project defence		Yes	15.00		
Written part of the exam - tasks and theory		Yes	30.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Recknagel/Sprengel	Grejanje i klimatizacija		Gradjevinska knjiga,Beograd	2005
2,	B.Todorović	Projektovanje postrojenja za centralno grejanje		Mašinski fakultet,Beograd	2009
3,	B.Todorović	Klimatizacija		SMEITS,Beograd	2009
4,	S.Zrnić,Ž.Čulum	Grejanje i klimatizacija		Naučna knjiga,Beograd	1995
5,	A.Djordjević	Projektovanje klima instalacija		Tehnička knjiga,Beograd	1967
6,	B. Todorović, M. Milinković - Đapa	Razvod vazduha u klimatizacionim sistemima		SMEITS, Beograd	2010
7,	R. Howell, W. Coad, H. Saue	Principles of Heating, Ventilating and Air Conditioning, 6th ed		ASHRAE, Atlanta, USA	2009
8,	J. Spittle	Load Calculation Application Manual		ASHRAE, Atlanta, USA	2010
9,	Anonymous	ASHRAE Handbook-HVAC Applications		ASHRAE, Atlanta, USA	2011
10,	Anonymous	ASHRAE Handbook-Refrigeration		ASHRAE, Atlanta, USA	2010
11,	Anonymous	ASHRAE Handbook-Fundamentals		ASHRAE, Atlanta, USA	2009
12,	Anonymous	ASHRAE Handbook—HVAC Systems and Equipment		ASHRAE, Atlanta, USA	2008





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Table 5.2 Course specification

Course:		Boiler Plants			
Course id:	M3304				
Number of ECTS:	8				
Teacher:	Petrović R. Jovan				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
4	3	0	0	1	
Precondition courses					
1. Educational goal:					
Enabling students to work on: designs, engineering, exploitation, engineering and consulting in the field of boiler plants.					
2. Educational outcomes (acquired knowledge):					
Acquisition of basic knowledge about problems and methodology in solving problems of design, engineering and plant management (stationary and non-stationary in the sense of load change), engineering and consulting of boiler plants: Boiler design; fuel, static of combustion and fireplace devices; thermal calculation; aerodynamics and hydraulics; corrosion, wearing, soiling and cleaning; rationalization and testing of boiler plants; impact of boiler on the living environment and prevention against environmental pollution.					
3. Course content/structure:					
Introduction, classification of boiler, development tendencies; Fuels, contents, types and characteristics of fuels; Combustion of fuels, statics and kinetics of combustion, products of combustion; Devices for combusting solid, liquid and gas fuels. Preparation of combustion fuels; Water and vapor; Heating calculation of steam boilers; Aerodynamics of gas and air tract; Hydrodynamic processes in steam boilers; Basic elements of steam boilers; Skeleton, walling and isolation of boilers; Dynamics and control of the steam boiler; Boiler steels and strength calculation; Corrosion of boiler heating surfaces; Boilers and the environment.					
4. Teaching methods:					
Lectures, Consultations, Mentor work. Auditory Practice. Visits to the industrial plants. Knowledge is tested at the examination. Alternatively, the examination may be taken successively through two colloquiums. If the student passes only 1 colloquium, he/she takes the examination only for the part he/she didn't pass.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	10.00	Oral part of the exam	Yes 60.00
Lecture attendance		Yes	5.00		
Term paper		Yes	25.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Pešenjanski I.	Kotlovska postrojenja - u pripremi		Fakultet tehničkih nauka, Novi Sad	2007
2,	Brkić Lj, Živanović Lj.	Parni kotlovi		Mašinski fakultet, Beograd	1997
3,	Gulić M, Brkić Lj, Perunović P.	Parni kotlovi		Mašinski fakultet, Beograd	1983
4,	Brkić Lj, Živanović Lj.	Termički proračun parnih kotlova		Mašinski fakultet, Beograd	1981
5,	Kreuh L.	Generatori pare		Školska knjiga, Zagreb	1978
6,	Gulić M.	Generatori pare		Fakultet tehničkih nauka, Novi Sad	1974
7,	Ledinegg, M.	Dampfzeugungung		Springer, Berlin	1966
8,	Đurić, V.	Parni kotlovi - atlas konstrukcija		BIGZ, Beograd	1972
9,	Đorđević, B.	Hemijsko - inženjerska termodinamika		Tehnološko - metalurški, Beograd	1978


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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Fluid Mechanics 2			
Course id:	M3401				
Number of ECTS:	7				
Teacher:	Bukurov Ž. Maša				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	1	1	0	0	
Precondition courses		None			
1. Educational goal:					
Introduction to the basic properties and relations valid for non-Newtonian fluids. Introduction to the compressible fluid flow, basic laws and relations. Enabling students to solve computing problems of compressible fluid flow.					
2. Educational outcomes (acquired knowledge):					
Ability to solve numerical problems of non-Newtonian fluid flow. Acquisition of knowledge in the field of gas dynamics for solving practical problems.					
3. Course content/structure:					
Non-Newtonian fluids. Classification of fluid behavior. Non-compressible fluid flow in pipes. Determining flow characteristics. Laminar flow. Profile speed in laminar flow. Laminar fluid flow without bias. Non-isothermal flow. Turbulent flow. The flow of two phase mixture of gas and liquid in pipes. Polymers. Compressible fluid flow. Historical facts and introductory notes. Basic flow equations of compressible fluid. Basic characteristics of compressible fluid flow. Propagation of disturbances in the compressible fluid. Quasi one-dimensional isentropic steady flow. Schock waves. Oblique expansion waves – Prandtl-Meyer flow. Quasi one-dimensional stationary compressible fluid flow with friction. Quasi one-dimensional stationary diabatic flow.					
4. Teaching methods:					
dents prepare one part of the course in advance and then discuss it during the class. Modern teaching means are used, but also the board and the chalk. During the practice problems from examination are solved. Students are obliged to attend lectures regularly and to be prepared for them. Both counts – attendance with 10, and preparedness with 20 points.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	5.00	Oral part of the exam	Yes 40.00
Lecture attendance		Yes	5.00		
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Maša Bukurov, Radomir Sovili	Nenjutnovski fluidi		skripta	2005
2,	Petar S. Cvijanović	Dinamika gasova		Stylos	1996
3,	K. Hanjalić	Dinamika stišljivog fluida		IGKRO "Svjetlost" Sarajevo	1978
4,	J. Anderson	Modern Compressible Flow		McGraw-Hill Book Company	1982
5,	G.A.Bird	Molecular Gas Dynamics		Clarendon Press, Oxford	1976
6,	P. Sherman	Industrial Rheology		Academic Press, London, N. Y.	1970
7,	A.C.Walshaw, D.a. Jobson	Mechanics of Fluids		Longmans	1962
8,	R.B. Bird, W.E.Stewart, E.N.Lightfoot	Transport Phenomena		John Wiley and Sons, Inc.	2002
9,	Maša Bukurov, Siniša Bikić	Zbirka zadataka iz mehanike fluida 2		skripta FTN	2012



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	<h2 style="margin: 0;">Study Programme Accreditation</h2>	
	<p>UNDERGRADUATE ACADEMIC STUDIES</p>	<p>Energy and Process Engineering</p>

Table 5.2 Course specification

Course:		Energy audits			
Course id:	M3497				
Number of ECTS:	6				
Teacher:	Petrović R. Jovan				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses					
None					
1. Educational goal:					
Students will be thought to: individually research the realization ways and realization energy audits, global understanding of the whole, national, local and other interests and value of implementation of energy reviews in industrial companies and buildings. This is especially highlighted from the standpoint of: razing the energy efficiency, improving the technological solutions, increasing the security in supply and improvements: ecological, economic and social factors.					
2. Educational outcomes (acquired knowledge):					
Mastering the knowledge, techniques and realization methods in energy reviews will enable the justification of continuous energy efficiency improvements. At the same time, students will acquire the necessary knowledge in realization of energy reviews in industry and buildings with the goal of lowering of the total energy costs, better environment preservation and the global prosperity of the final energy consumer.					
3. Course content/structure:					
Subject studies the principles of energy reviews: buildings and companies, technological entireties, individual companies, energy infrastructure systems, with the goal of increasing the energy efficiency and lowering of the energy costs, improving the conditions in production processes and securing the working and living comfort in buildings.					
4. Teaching methods:					
Verbal method – visual method – practical method.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Presentation		Yes	10.00	Oral part of the exam	Yes 70.00
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Zoran K. Morvay, Dušan D. Gvozdenac	Applied Industrial Energy and Environmental Management		Wiley	2008
2,	B. Todorović	Projektovanje postrojenja za centralno grejanje		Mašinski fakultet, Beograd	2005
3,	B. Todorović	Klimatizacija		SMEITS, Beograd	2005
4,	Ž. Borković, Ž. Jurić,V. Krstulović i drugi.	Metodologija provođenja energetskog pregleda za nove i postojeće zrade		Energetski institut Hrvoje Požar	2008



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Table 5.2 Course specification

Course:		Natural Gas and Oil Preparation Equipment				
Course id:	M3451					
Number of ECTS:	6					
Teacher:	Vičević D. Marija					
Course status:	Elective					
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
3	2	1	0	0		
Precondition courses						
None						
1. Educational goal:						
Acquisition of knowledge necessary for design, work and maintenance of the equipment for natural gas and oil preparation for transportation (from source to gas/oil pipelines).						
2. Educational outcomes (acquired knowledge):						
Designing equipment for natural gas and oil preparation.						
3. Course content/structure:						
Basic concepts and equipment for natural gas and oil preparation for transportation. Basic calculations, physical and thermodynamic characteristics and necessary specifications of natural gas and oil. Equipment for separation of gas from raw oil and compression of natural gas. Equipment for dehydration of the raw oil. Equipment for separation of condensate, traces of water, separation of liquid oil gas, separation of sulfur and CO2 from natural gas. Issues of acid gas and equipment for purification and removal of acid gas. Equipment for drying natural gas. Equipment for intensification of processes in the gas and oil technique. Fossil fuels and biofuels (introduction).						
4. Teaching methods:						
Lectures, auditory practice, laboratory practice, consultations.						
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 70.00	
Lecture attendance		Yes	5.00			
Presentation		Yes	10.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	A. J. Kidnay, William Parrish	Fundamentals of Natural Gas Processing		CRC Press	2006	
2,	Mirko Zelić	Tehnologija sabiranja i pripreme nafte i plina za transport		INA-Naftaplin, Zagreb	1987	
3,	A. H. Younger	Natural Gas Processing Principles and Technology , Part I, Part II		University of Calgary	2004	
4,	Marija Vičević	Oprema za pripremu prirodnog gasa i nafte		U pripremi	2012	



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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Industrial Process Technology						
Course id:	M3498							
Number of ECTS:	7							
Teachers:		Sokolović S. Dunja, Spasojević Đ. Momčilo						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:	
3		1		1		0	0	
Precondition courses							None	
1. Educational goal:								
Understanding the interdependence of technological processes at the global and regional level on the basis of case studies.								
2. Educational outcomes (acquired knowledge):								
Gaining knowledge about the basic manufacturing industry branches and their inter-relationship. Acquire knowledge about the proper tools and software.								
3. Course content/structure:								
The interconnections in the process industry, classification and structure. Raw potential and competitiveness of products. The influence of the industrial systems on economic development. Fundamentals of inorganic industrial processes. Analysis of selected inorganic processes. Fundamentals of organic process. Analysis of selected organic process. Fundamentals of the industrial processes in food industry. Analysis of selected food industry processes. Energy, water and raw materials in the process industry. Modern trends in the development of industrial processes.								
4. Teaching methods:								
Lectures, computer tutorials, laboratory and computational exercises, auditory and industry practice and consultations. Interactive teaching. Seminar assignments, short presentations and projects are forms of pre-examination obligations that are done individually or in groups of two and /or more students, depending on the complexity of the task.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Exercise attendance			Yes	5.00	Theoretical part of the exam		Yes	30.00
Homework			Yes	50.00				
Lecture attendance			Yes	5.00				
Presentation			Yes	10.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Ernest E. Ludwig		Applied Process Design for Chemical and Petrochemical plants, 3rd edition			Gulf Professional Publishing		2001
2,	Sami Matar , Lewis F. Hatch		Chemistry of petrochemical processes, 2nd edition			Gulf Publishing Company		2000
3,	Member companies of the European Fertilizer Manufacturers' Association (EFMA)		Best Available Techniques for Pollution Prevention and Control in the European Fertilizer Industry, Booklet No.1- 8.			EFMA - European Fertilizer Manufacturers' Association		2000



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	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>	

Table 5.2 Course specification

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:	Other teaching types:		Study research work:	Other classes:
3		3	0		0	0
Precondition courses						



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Table 5.2 Course specification

Course:		Therma Energy Ekuipment			
Course id:	M3495				
Number of ECTS:	4				
Teachers:		Grković R. Vojin, Jovanović S. Aleksandar			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses		None			
1. Educational goal:					
Building student's capability for employment in design, research, operation technology and risk management in the field of thermal energy equipment at the level of basic engineering and partly at the level of detailed engineering.					
2. Educational outcomes (acquired knowledge):					
Knowledge that enable creative approach in designing, development of operation technology and risk management in the field of thermal energy equipment.					
3. Course content/structure:					
Introduction (energy flows and processes in TEE, mass flows in TEE, environmental conditions and limitations for designing of TEE, energy systems (electrical energy and heat energy systems). General conditions for new TEE (energy needs forecasting, energy needs in the energy system, power needs in the energy system, location of the TEE, environmental standards). Operation technology of TEE (stationary - design and off-design operation regimes), transient and disturbed operation regimes. Design determination of TEE (design documentation, lay out of the objects, lay out of the equipment in the objects, design determination of the piping system, foundations and civil work, optimization of the process parameters, optimization of the equipment). Design determination and estimation of the life of TEE and risk determination (principles, design determination and estimation of the life of TEE and risk determination for creep design determination and estimation of the life of TEE and risk determination for fatigue, calculations and examples).					
4. Teaching methods:					
The following methods are foreseen: Verbal method, visual method, practical method.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	0.00	Written part of the exam - tasks and theory	Yes 70.00
Exercise attendance		Yes	5.00		
Graphic paper		Yes	20.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Grković V. i Jovanović A.	Termoenergetska postroje-nja – projektovanje, tehnologija rada i upravljanje rizicima		FTN, Novi Sad	2011
2,	Grković V. i Jovanović A.	Termoenergetska postroje-nja – procesi i oprema		FTN, Novi Sad	2010
3,	Singer J. G. (Editor)	Combustion Power Systems		Combustion Engineering, Inc.	1981
4,	Копытнов В. Р.	Работа ТЭС в объединённых энергосистемах		Энергия, Moskva	1976
5,	Ропырин Л. С.	Комплексная оптимизация тепловых систем		Nauka, Novosibirsk	1976
6,	Андрющенко А. И., Эмачинский А. В., Понятов В. А.	Оптимизация тепловых циклов и процессов ТЭС		Высшая школа	1974
7,	Schröder K.	Grossdamfkraftwerke		Springer-Verlag	1966





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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Bachelor Thesis			
Course id:	M3BSC				
Number of ECTS:	7				
Teachers:					
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
0	0	0	0	7	
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.					
2. Educational outcomes (acquired knowledge):					
Treba ubaciti prevod!					
3. Course content/structure:					
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)					
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





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Table 5.2 Course specification

Course:		Thermal Turbines 1			
Course id: M3405					
Number of ECTS: 7					
Teachers:		Grković R. Vojin, Jovanović S. Aleksandar			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:		Practical classes:	Other teaching types:	Study research work:	Other classes:
3		3	0	0	1
Precondition courses					
1. Educational goal:					
Enabling students to work on: design, engineering, exploitation, engineering and consulting in the field of thermal turbines at the level of the basic engineering.					
2. Educational outcomes (acquired knowledge):					
Basic knowledge about thermal turbines, detailed knowledge about energy transformation processes in degrees, criteria for calculation as well as calculation knowledge of all types of degrees of thermal turbines at the level of basic engineering. The knowledge for calculation of thermodynamic cycles of thermal turbines.					
3. Course content/structure:					
The concept and classification of thermal turbines. Historical development. Fields of knowledge application in thermal turbines. Thermodynamic and Electrical foundations. Characteristics of compressible fluid flow. Expansion and compression without friction in the nozzles. Expansion and compression with friction in the nozzles. Efficiency of expansion and compression in turbines (polytropic, isentropic, isothermal degrees of utilization). Working on scope (classical and aerodynamic method, force, momentum and power on scope, for blades without and with cooling). Utilization degree on the scope of axial degrees: action and reaction – Parson's, individual and from the group. Comparison of action and Parson's degrees. Curtis degree. Comparison of degrees with multiple degrees of speed. Axial turbine degree with cooling petals. Utilization degree on the scope of degrees of radial turbines (centrifugal – Ljungstrom and centripetal). Utilization degree on the scope of compressor degrees (for three definitions from the engineering practice). The meaning of degrees of thermal turbines. Losses in the degree (because of vapor humidity, on friction and ventilation, because of partial filling and through fissures). Turbulent flow in the degrees of thermal turbines – simple equation of radial balance. Energy transformation in the cycles of thermal turbines (Joule's – without cooling and with cooling, Rankin's and combined Joule –Rankin's).					
4. Teaching methods:					
The following methods are used: -Verbal, - Visual, -Practical					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	10.00	Written part of the exam - tasks and theory	Yes 70.00
Exercise attendance		Yes	10.00		
Lecture attendance		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Grković Vojin	Toplotne turbomašine		FTN Izdavaštvo, Novi Sad	2004
2,	Gostelow J. P.	Cascade Aerodynamics		Pergamon Press, Oxford, New York, Toronto	1984
3,	Fister	Fluidenergiemaschinen I u. II		Springer-Verlag, Berlin/Heilderberg/New York	1984
4,	Vojin Grković	Tehnološke osnove regulisanja parnih turbina za spregnutu proizvodnju električne i toplotne energije		Futura publikacije, Novi Sad	1995
5,	Benenson E. I. i Ioffe L. S	Teplofikacionije parovije turbini		Energia, Moskva	1976
6,	Bitterlich W., Ausmeier S. und Lohmann U.	Gasturbinen und Gasturbinenanlagen – Darstellung und Berechnung		B. G. Teubner, Stuttgart	2002
7,	Šegljajev A. V.	Parovie Turbini 1976		Energija, Moskva	1976
8,	Traupel Walter	Termische Turbomaschinen I und II		Springer-Verlag, Berlin/Heilderberg/New York	1982
9,	Horlock J. H.	Axial Flow Turbines: Fluid Mechanics and Thermodynamics		Butterworths, London	1973
10,	Horlock J. H.	Axial Flow Compressors Fluid Mechanics and Thermodynamics		Butterworths, London	1982
11,	Japikse D. and Baines N. C.	Introduction to Turbomachinery			1997


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Table 5.2 Course specification

Course:		Heat Apparatus					
Course id:	M3406						
Number of ECTS:	7						
Teachers:	Đaković D. Damir, Đurić N. Slavko, Petrović R. Jovan						
Course status:	Elective						
Number of active teaching classes (weekly)							
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:			
3	3	0	0	0			
Precondition courses							
None							
1. Educational goal:							
Introduction to the basic concepts and methods of solving problems in the field of heat and process equipment, as well as with their application in the specific processes and plants.							
2. Educational outcomes (acquired knowledge):							
Knowledge gain about the analysis methods of heat and process equipment, as well as about possibilities of their applications within various branches of industry.							
3. Course content/structure:							
Introduction to the heat and process equipment (conceptual set-up of introduction to the HPE, elements of formalization of heat and process equipment, characterization of HPE, expression and presentation of heating characteristics of HPE, fundamentals of the heating calculation of HPE). Recuperative heat exchangers (backgrounds of the heating calculation of RHE, RHE with pipe beam, compact RHE, RHE with condensation of pure vapor and vapor-gas mixture, special types RHE, design and exploitation of RHE, optimization of RHE). Boilers and evaporators (individual evaporators, plants for multistage evaporation – macro analysis, fundamentals of calculation, auxiliary devices). Heat reactors (equipment for thermal processing of food products, heat reactors with mechanical mixing, auxiliary elements of heating reactors). Contact heat exchangers (basics of CHE, calculation and selection of CHE). Heat and process plants (examples of heat and process plants).							
4. Teaching methods:							
Lectures, computing and auditory exercises, consultation. The course grade is formed based on the success at the computing practice and examination. Alternatively, the examination can be passed through two colloquiums. If the student passes both colloquiums, (s)he does not take the exam.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points	
Exercise attendance		Yes	15.00	Written part of the exam - tasks and theory		Yes	70.00
Lecture attendance		Yes	15.00				
Literature							
Ord.	Author	Title		Publisher		Year	
1,	Jaćimović B. i Genić S.	Toplotne operacije i aparati		Mašinski fakultet, Beograd		1994	
2,	S. Cvijović, D. Simonović, D. Vuković, S. Končar-Đurđević	Tehnološke operacije II		Tehnološko-metalurški fakultet, Beograd		1988	
3,	S. Stanišić	Tehnološke operacije II - Toplotne i difuzione operacije		Tehnološki fakultet, Novi Sad		1978	



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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering</p>	

Table 5.2 Course specification

Course:		Modern Energy Technologies				
Course id:	M3409A					
Number of ECTS:	6					
Teachers:		Petrović R. Jovan, Jovanović S. Aleksandar, Đaković D. Damir				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		3	0		0	1
Precondition courses		None				
1. Educational goal:						
Students training for: systematic study of modern energy technologies, getting insight into general interests and validity of modern energy technologies, getting insight into interests and importance of application of modern energy technologies for the industrial enterprise from the aspect of: increasing energy efficiency, safety of supply, ecological, economic and sociological conditions.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge will enable engineers to understand validity of introduction of modern energy technologies into industrial enterprises, the impact on total production costs, environment and total prosperity of the enterprise.						
3. Course content/structure:						
Energy technologies, energy efficiency and environmental protection, necessity of primary energy transformation and the impact of energy technologies on transformation efficiency, modern technologies for primary energy transformation into heating energy, modern technologies for primary energy transformation into electrical energy, modern technologies for combined production of electrical and heating energy, modern technologies for depositing energy with an objective to increase energy efficiency of energy systems and to lower costs of supply for primary energy, possibilities of application of modern energy technologies in the production processes and assurance of the working and living comfort.						
4. Teaching methods:						
Lectures, Term Paper and Consultations. The examination can be passed only through elaboration and defense of the term paper or through additional oral examination if needed.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Exercise attendance		Yes	5.00	Theoretical part of the exam		Yes 60.00
Lecture attendance		Yes	5.00			
Term paper		Yes	30.00			
Literature						
Ord.	Author	Title			Publisher	Year
1,	European Comission	Integrated Pollution Prevent and Control			European Comission	2003
2,	LeMar P.	Integrated Energy Systems (IES) for Buildings: A Market Assessment,			Resource Dynamics Corporation Vienna	2003
3,	CHP Club	The Menagers Guide to Combined Heat and Power Systems			Crown	2000



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Table 5.2 Course specification

Course:		Gas equipment				
Course id: M3452						
Number of ECTS: 7						
Teacher:		Uzelac N. Dušan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
3		2	1	0		0
Precondition courses		None				
1. Educational goal:						
Subject teaches students in areas of design, operation and maintenance of the gas installations.						
2. Educational outcomes (acquired knowledge):						
Design, operation and maintenance of the gas installations.						
3. Course content/structure:						
Gas pipelines. Gas pipeline elements. Pipes and the accompanied equipment. Regulators. Safety equipment. Magistrate pipelines. Distributive pipelines. Consumer pipelines. Home gas installations. Magistrate gas stations. Distributive gas stations. Industrial gas stations. Regulation and measurement home stations. Gas pumps. Gas equipment. Gas equipment installation. Combustion exhaust outlets. Gas installation examinations. Gas boiler plants. Position and dimensional analysis of gas boiler plants. Fire hazard prevention. Gas boiler room ventilation. Gas equipment in gas boiler room. Exploitation of gas boiler plants. Gas boiler plant maintenance.						
4. Teaching methods:						
Verbal method – visual method – practical method.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Computer exercise attendance		Yes	5.00	Theoretical part of the exam		Yes 70.00
Lecture attendance		Yes	5.00			
Presentation		Yes	10.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title		Publisher		Year
1,	Dušan Uzelac i dr.	Priručnik za kurs iz rukovođenja i održavanja cevovoda, uređaja i postrojenja za prirodni gas		FTN		2005
2,	Vladimir Strelec i dr	Plinarski priručnik		EM		1995
3,	Martin Bogner i Miodrag Isailović	Prirodni gas		ETA		2008



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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering</p>	

Table 5.2 Course specification

Course:		Refrigeration Devices				
Course id:	M3501					
Number of ECTS:	7					
Teachers:		Grković R. Vojin, Gvozdenac D. Dušan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		3	0		0	0
Precondition courses		None				
1. Educational goal:						
Introduction to plants and processes in the field of refrigeration technology.						
2. Educational outcomes (acquired knowledge):						
Enabling students to understane refrigeration processes and technologies.						
3. Course content/structure:						
Refrigeration technology application. Cycles, refrigeration coefficient. Refrigeration devices. Refrigeration systems elements: compressors, evaporators, cooling towers and capacitors, and other components. Compressor cooling systems regulations. Absorbing refrigeration devices. Heat pumps. Cryogenic technology.						
4. Teaching methods:						
Classes are realized thouth lectures, computer classes and constructions.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance			Yes	5.00	Theoretical part of the exam	Yes 60.00
Lecture attendance			Yes	5.00		
Term paper			Yes	30.00		
Literature						
Ord.	Author		Title		Publisher	Year
1.	Sava Vujić		Rashladni uređaji		Mašinski fakultet Beograd	1997



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Table 5.2 Course specification

Course:		Mechatronics			
Course id:	EM436				
Number of ECTS:	7				
Teachers:	Borovac A. Branislav, Nađ F. Laslo				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	3	0	0	0	
Precondition courses					
1. Educational goal:					
The course is designed for the students of electronics. The course objective is to train students to creatively design processes of mechatronic systems. Students learn to identify the problem, design, develop and select the best strategy and concept using fundamental principles, corresponding analysis and experiments, if needed. Students then create modules for the best concept and integrate them in the system.					
2. Educational outcomes (acquired knowledge):					
<ul style="list-style-type: none"><li>- student ability to personally go through the designing process of mechatronic systems through designing a specific device.</li><li>- student ability to participate in defining and solving problems related to mechatronic system design in cooperation with engineers from related professions</li><li>- student ability to make a selection of critical components in mechatronic systems</li><li>- student ability to make a selection of suitable controller type</li><li>- Special efforts are made in order for students to understand that in complex mechatronic systems, each aspect is equally important and that all modules of the system (mechanical part, electronics, programming,...) should operate adequately and reliably in order to preserve the system functionality as a whole.</li></ul>					
3. Course content/structure:					
During the course students learn: basic mechanical constructions and processes of mechatronic device design, to critically analyze existing solutions of mechatronic devices, and to learn to use electromechanical analogies in the mechatronic device analysis and design.					
4. Teaching methods:					
The basic principles of mechanical components are taught in the course, partially in the classroom and partially in the laboratory. Besides, basic electromechanical analogies are taught and applied in the analysis and synthesis of certain subassembly solutions in the mechatronic devices. Afterwards, existing solutions are critically analyzed with a special emphasis on weaknesses and improvement possibilities, selection of better mechanical solution, adequate sensor or actuator, better methods of control or all together. Students can choose two ways to pass the examination: - by making a prototype and – without making a prototype but with making a study for the proposed device solution. Students who make the device should take the colloquium 1. (up to 30 points), make the prototype and defend it (up to 70 points). Students who don't want to make the prototype have to pass both colloquiums (30 points), do the study and defend it (up to 40 points). Passed examination is worth 100 points m					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Project		Yes	30.00	Written part of the exam - tasks and theory	Yes 50.00
Oral part of the exam				Yes	20.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	V. Miltenović	Mašinski elementi-oblici, proračun, primena,		Mašinski fakultet u Nišu, ISBN 86-80587-12-5	2001
2,	M. Živanov	Elektronika, komponente i pojačavačka kola		FTN, Novi Sad (odgovarajuća poglavlja)	2000
3,	D. Shetty, R. Kolk	Mechatronics System Design		PWS Publishing Company, ISBN 0-534-95285-2.	1997
4,	L. Kamm	Understanding Electro-Mechanical Engineering – An introduction to mechatronics		IEEE press, ISBN 0-7803-1031-4	1995



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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	

Table 5.2 Course specification

Course:		Hydropneumatic Components			
Course id:	M3404				
Number of ECTS:	6				
Teacher:		Uzelac N. Dušan			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	3	0	0	0	
Precondition courses		None			
1. Educational goal:					
Design and selection of hydraulic and pneumatic components for the purposes of building hydraulic and pneumatic energy transfer and for building hydraulic and pneumatic control components.					
2. Educational outcomes (acquired knowledge):					
Enabling students to design control elements and elements of energy transmission of the machines which have hydraulic or pneumatic energy transmission and hydraulic or pneumatic control system.					
3. Course content/structure:					
Hydraulic and pneumatic components, definitions, place and role in the hydraulic and pneumatic systems for the transfer of energy and motion and in the hydraulic and pneumatic control systems. Volume compressors, working principles, advantages and disadvantages, classification, working parameters, characteristics. Volume pumps, working description, advantages and disadvantages, classification, working parameters, characteristics. Volume engines, classification, working principles, advantages and disadvantages, technical parameters, energy characteristics. Control valves, classifications, working principles, graphic marking, hydraulic and control characteristics.					
4. Teaching methods:					
Lectures – Auditory Practice – Laboratory Practice – Consultations.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Homework		Yes	20.00	Written part of the exam - tasks and theory	Yes 35.00
Lecture attendance		Yes	10.00	Oral part of the exam	Yes 35.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	D. Uzelac	Hidropneumatske komponente		FTN - STYLOS	1995
2,	D. Uzelac	Hidroprenosnici		FTN	1998
3,	S. Jovanović	Uljna hidraulika		Naučna knjiga	1985
4,	V. Zrnić	Pneumatika		Tehnička knjiga	1998
5,	Dirner Aleksandar	Industrijska pneumatika		HEP	1987
6,	Vladimir Zrnić	Pneumatika		Tehnička knjiga	1980
7,	John Pippenger, Tyler Hicks	Indusrtial Hydraulics		McGraw-Hill Book Company	1979
8,	Radomir Ašković	Osnovi hidraulike i pneumatike		Mašinski fakultet Beograd	1986





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Table 5.2 Course specification

Course:		Measurement of fluid properties				
Course id: M3453						
Number of ECTS: 7						
Teacher:		Bukurov Ž. Maša				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
3		2	1	0		0
Precondition courses None						
1. Educational goal:						
The course objective is to enable students to work with basic technique of fluid values measurement, processing and presentation of measurement results, calculation of gas consumption and estimation of flow in case of excesses on the pipelines and reservoirs.						
2. Educational outcomes (acquired knowledge):						
Enabling students to work with basic techniques of fluid values measurement, processing and presentation of measurement results, calculation of gas consumption and estimation of flow in case of excesses on the pipelines and reservoirs.						
3. Course content/structure:						
Dynamic characteristics of measurement systems. Relative and absolute measurement error. Measurement uncertainty, unreliability and resolution. Processing and presentation of measurement results. Temperature measurement techniques. Pressure measurement technique. Density measurement techniques. Dynamic viscosity measurement techniques. Flow measurement techniques. Velocity measurement techniques. Heating fuel power measurement techniques. Fuel contents measurement techniques. Calculation of gas consumption. Gas detection techniques. Estimation of flow in case of the excesses on pipelines and reservoirs.						
4. Teaching methods:						
Lectures – Auditory Practice, Laboratory Practice – Consultations.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Coloquium exam		No	40.00	Written part of the exam - tasks and theory		Yes 40.00
Laboratory exercise defence		Yes	30.00	Oral part of the exam		Yes 30.00
Literature						
Ord.	Author	Title			Publisher	Year
1,	Cvijanović, P.	Merenje fluidnih veličina			Stylos	1998
2,	Vušковиć, I,	Osnovne tehnike merenja			Mašinski fakultet Beograd	1977
3,	Milenković, B.	Priručnik za merenje protoka			SMEITS	2004
4,	Prodanović, D.	Merenja u hidrotehnici			Građevinski fakultet u Beogradu	2009





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Table 5.2 Course specification

Course:		Energy efficiency				
Course id:	M3494					
Number of ECTS:	7					
Teachers:	Petrović R. Jovan, Gvozdenac D. Dušan					
Course status:	Elective					
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
3	3	0	0	1		
Precondition courses		None				
1. Educational goal:						
Growing importance of energy as a major economy factor and its large negative impact on the environment has set a demand for a broader and different approach to tackle the problem. One of the most successful measures in reducing the consumption of primal energy is to use of technological improvements in energy systems and development of new energy flow control procedures. This subject will cover energy efficiency as a source for reduction of energy consumption and the emission of the harmful gasses.						
2. Educational outcomes (acquired knowledge):						
Energy efficiency should be considered as a set of organizational activities which are implemented inside of defined boundaries defined by energy system with the purpose of input energy reduction, harmful gasses emission and energy expenditures, with the unchanged status of the services and making a profit in the production process in the defined system. From the sole definition one can get a sense of the complexity of the problem which derives from the human need for connection, procedures and technologies. We must strive to accomplish consistent and permanent improvements in energy efficiency. This subject will acquaint the students with all the technical and non technical aspects of energy efficiency.						
3. Course content/structure:						
Importance of energy management and rational usage of energy; Defining of energy flows; Relations between energy and production; Energy indicators and energy production and consumption profiles; Energy consumption monitoring. Energy efficiency analysis in industry (boiler plants; steam and/or hot water distributive pipe network and end users; cooling and compressed air systems; electrical systems) and buildings (buildings characteristics profile, HVAC systems; electrical consumers). Energy savings measures: technical (energy efficiency improvement of appliances; waste heat usage; recuperation; heat energy accumulation...) and organizational ( energy management: team effort and value of hierarchically valued tasks and activities; motivation and awareness of employees; initiation and incentive in argument for rational energy consumption).						
4. Teaching methods:						
Lectures and exercises. Consultation. Test is done in written form and is a mixture of theoretical questions and numerical problems.						
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 70.00
Lecture attendance		Yes	5.00			
Term paper		Yes	20.00			
Literature						
Ord.	Author	Title		Publisher		Year
1,	Gvozdenac, D., Gvozdenac-Urošević, B., Morvaj, Z.	Energetska efikasnost		FTN Izdavaštvo, Novi Sad		2012
2,	Morvaj Z., Gvozdenac D.	Applied Industrial Energy and Environmental Management		John Wiley & Sons - IEEE press		2008
3,	Eastop T.D., Croft D.R.	Energy Efficiency (for Engineers and Technologists)		Longman Scientific & Technological		1990


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	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering	

Table 5.2 Course specification

Course:		Pipeline Transportation				
Course id: M3496						
Number of ECTS: 7						
Teachers:		Bukurov Ž. Maša, Uzelac N. Dušan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
3		2	1	0		0
Precondition courses		None				
1. Educational goal:						
Introduction to the transport of fluid and loose materials in pipelines.						
2. Educational outcomes (acquired knowledge):						
Preparation of final year students in the design of hydraulic and pneumatic transport.						
3. Course content/structure:						
Pipeline transportation of solid materials. Physical properties of mixtures. Fluidization of loose materials. Pneumatic transport. Pneumatic transport devices. Hydraulic transport. Hydraulic transport devices.						
4. Teaching methods:						
Lectures, computation, numerical and computer exercises and consultations.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Exercise attendance		Yes	5.00	Theoretical part of the exam		Yes 60.00
Graphic paper		Yes	20.00	Oral part of the exam		Yes 10.00
Lecture attendance		Yes	5.00			
Literature						
Ord.	Author	Title		Publisher		Year
1.	M. Šašić	Transport fluida i čvrstih materijala cevima		Naučna knjiga, Beograd		1990
2.	M. Šašić	Proračun transporta fluida i čvrstih materijala cevima		Naučna knjiga, Beograd		1976



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Table 5.2 Course specification

Course:		Energy markets			
Course id:	M3499				
Number of ECTS:	7				
Teachers:	Dobromirov P. Dušan, Radišić M. Mladen				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	3	0	0	0	
Precondition courses		None			
1. Educational goal:					
Ciljevi predmeta Tržište energenata jesu (1) upoznavanje studenata sa institucijama tržišta energenata sa kojima se preduzeća susreću u svom poslovanju, (2) upoznavanje sa ključnim faktorima koji određuju cenu energenata, (3) razumevanje osnovnih koncepata definisanja terminskih ugovora, (4) sticanje znanja u oblasti mog zaštite od rizika kroz aktivno upravljanje i (5) sticanje znanja o odnosima na tržištima na kojim se vrši aktivno upravljanje rizikom. Osnovni cilj predmeta jeste da se upotpune i integrišu znanja o sistemima funkcionisanja upravljanja rizikom neophodna inženjerima koji zauzimaju pozicije u okviru različitih funkcija u preduzećima, kroz aktivno učešće u procesu nastave i međusobnu interakciju svih studenata.					
2. Educational outcomes (acquired knowledge):					
Students who live audience of the course and pass the exam are able to (1) understand the role and importance of the energy market for business enterprises and industrial systems, (2) understand the methods of analysis and decision-making in the field of risk management, (3) make decisions about how to manage risk and use futures trade mechanisms and (4) participate in defining the relationship of the companies to institutions that provide risk management positions with engineers who are located in different positions.					
3. Course content/structure:					
Introduction to the study of international financial markets, the financial statements, određicanje cost, risk, and prompt financial futures markets, participants in the financial markets, standardization of financial futures market, futures contracts, risk management using futures, options, risk management using options					
4. Teaching methods:					
Lectures, exercises and workshops. The exam is taken in two parts. The first part of the exam students take a team addressing or resolving the case study written test with multiple choice. Students who have passed the first part of the exam are allowed to take the oral part of the exam. The oral exam is taken orally and is eliminatory.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Oral part of the exam	Yes 50.00
Graphic paper		Yes	40.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1.	Dobromirov, D.	Tržište energenata - elektronska skripta		FTN, Novi Sad	2012
2.	Laurence Copeland	Exchange Rates and International Finance		Prentice Hall	2005



## Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

### Standard 06. Programme Quality, Contemporaneity and International Compliance

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

The study programme of undergraduate academic studies in Energy and Process Engineering is comparable and harmonized with the study programmes of the following faculties:

Faculty of Mechanical Engineering and Shipbuilding, Zagreb.

Faculty of Mechanical Engineering, Ljubljana.

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

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



## Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

### Standard 07. Student Enrollment

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

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

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



## Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

### Standard 08. Student Evaluation and Progress

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

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

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

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

The final success of students at a course is presented with a grade 5 (failed) to 10 (excellent). The student's grade is based on the overall number of points obtained on fulfilling prerequisites and taking the examination, and in accordance with the quality of acquired knowledge and skills.

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

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



## Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

### Standard 09. Teaching Staff

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



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

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

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

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



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



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 <b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering	
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Science, arts and professional qualifications

Name and last name:		Adžić Z. Nevenka	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.09.1978	
Scientific or art field:		Mathematics	
Academic carier	Year	Institution	Field
Academic title election:	2002	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1990	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1986	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1976	Faculty of Sciences - Novi Sad	Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E221A	Mathematical Analysis 2	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	GG10	Mathematical Methods 3	( G00) Civil Engineering, Undergraduate Academic Studies
4.	M106	Mathematics 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
5.	S017	Mathematics 2	( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	S0213	Mathematical Statistics	( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
7.	Z104	Mathematics 1	( 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
8.	BMI91	Mathematics 1	( BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI92	Mathematics 2	( BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E101A	Discrete Mathematics	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
11.	IM1012	Probability and Statistics	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies ( P00) Production 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		Energy and Process Engineering
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
12.	IM1523	Discrete Mathematics	( M30) Energy and Process Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies	
13.	P216	Numerical Analysis	( P00) Production Engineering, Undergraduate Academic Studies	
14.	OM517	Numerical Analysis	( OM1) Mathematics in Engineering, Master Academic Studies	
15.	OML517	Numerical Analysis	( OM1) Mathematics in Engineering, Master Academic Studies	
16.	DZ01MS	Selected Chapters in Mathematics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies ( I12) Industrial Engineering, Specialised Academic Studies ( 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	
18.	DZ01M	Selected Chapters in Mathematics	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies ( E20) Computing and Control Engineering, Doctoral Academic Studies ( F00) Graphic Engineering and Design, Doctoral Academic Studies ( F20) Engineering Animation, Doctoral Academic Studies ( G00) Civil Engineering, Doctoral Academic Studies ( G10) Geodesy and Geomatics, Doctoral Academic Studies ( H00) Mechatronics, Doctoral Academic Studies ( 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	
Representative references (minimum 5, not more than 10)				
1.	N. Adzic, On the spectral solution for boundary value problem, ZAMM 70,(1990) 6, T647-T649.			
2.	V. Vrcelj, N. Adzic, Z. Uzelac: A numerical asymptotic solution for singular perturbation problems, International journal of computer mathematics, Vol.39, (1991) 229-238.			
3.	N. Adzic: Modified hermite polynomials in the spectral approximation for boundary layer problems, Bulletin of the Australian mathematical society, Vol.45, (1992) 267-276.<leng>			
4.	N. Adzic: Spectral approximation for single turing point problem, ZAMM72(1992)6, T621-T624.			
5.	N. Adzic: Nonclassical orthogonal polynomials and singularly perturbed problems, ZAMM73(1993) 7/8, T868-T871.			
6.	N. Adzic: Spectral approximation and asymptotic behaviour of boundary layer problems, ZAMM74(1994)6, T-553-T555.			
7.	N. Adzic, Z. Uzelac: A combination of spline and spectral approximation for a class of singularly perturbed problems, ZAMM78 (1998), S853-S854			
8.	Z. Uzelac, N. Adzic: The Approximate Solution for Problems with Nonlocal Boundary Conditions, ZAMM79 (1999), S881-S882			
9.	N. Adzic, Z. Uzelac: On spectral approximation for some two-dimensional singularly perturbed problems, ZAMM79 (1999), S851-S852			
10.	N. Adzic: On the spectral approximation for singularly perturbed problems,ZAMM 71(1991)6,T773-T776.			



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering			
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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Baloš S. Sebastian	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.04.2001	
Scientific or art field:		Material Science and Engineering Materials	
Academic carier	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Material Science and Engineering Materials
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Material Science and Engineering Materials
Magister thesis	2009	Faculty of Technical Sciences - Novi Sad	Material Science and Engineering Materials
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Material Science and Engineering Materials
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P206	Welding Technology	( P00) Production Engineering, Undergraduate Academic Studies
2.	P2406	Composite Materials	( P00) Production Engineering, Undergraduate Academic Studies
3.	P2409	Modern Joining Technologies - 1	( P00) Production Engineering, Undergraduate Academic Studies
4.	P2409A	Modern Joining Technologies - 2	( P00) Production Engineering, Undergraduate Academic Studies
5.	P4406	Joining Technology of Modern Materials	( P00) Production Engineering, Undergraduate Academic Studies
6.	II1001	Engineering materials	( I10) Industrial Engineering, Undergraduate Academic Studies
7.	M2062	Mechanical engineering technologies 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	M3203	Technology of machinery	( M30) Energy and Process Engineering, Undergraduate Academic Studies
9.	ZC003	Electromechanical materials	( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
10.	P2501	Process Design in Welding Technology	( PM0) Production Engineering, Master Academic Studies
11.	BMIM4G	Biomaterials	( BM0) Biomedical Engineering, Master Academic Studies
12.	PPI106	Joining technologies in precision engineering	( PM0) Production Engineering, Master Academic Studies
13.	PTS01	Technology of sintering	( PM0) Production Engineering, Master Academic Studies
14.	DP001	Design and Research Methods in Production Engineering	( M00) Mechanical Engineering, Doctoral Academic Studies
15.	SAP002	Engineering Materials	( M00) Mechanical Engineering, Doctoral Academic Studies
16.	DP023	Joining technologies - selected topics	( M00) Mechanical Engineering, Doctoral Academic Studies
17.	DP024	Welding technology - selected topics	( M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP025	Materials Corrosion and Protection	( M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Baloš S., Šidjanin (Sidjanin) L.: Metallographic study of non-homogenous armour impacted by armour-piercing incendiary ammunition, Materials and Design, 2011, Vol. 32, pp. 4022-4029, ISSN 0261-3069		
2.	Baloš S., Arlan B., Alan P.: Roman mystery iron blades from Serbia , Materials Characterization, 2009, Vol. 60, No 4, pp. 271-276, ISSN 1044-5803		
3.	Baloš S., Šidjanin (Sidjanin) L.: Microdeformation of soft particles in metal matrix composites, Journal of Materials Processing Technology, 2009, pp. 482-487, ISSN 0924-0136		
4.	Baloš S., Arlan B., Alan P.: Roman mystery iron blades from Serbia, Microscopy and microanalysis, 2007, Vol. 13, No Supplement S02, pp. 1100-1101, ISSN 1431-9276		
5.	Baloš S., Grabulov V., Šidjanin (Sidjanin) L., Pantić M.: Wire fence as applique armor, Materials and Design, 2010, Vol. 31, pp. 1293-1301, ISSN 0261-3069		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>			
Representative references (minimum 5, not more than 10)				
6.	Baloš S., Grabulov V., Šidjanin (Sidjanin) L., Pantić M., Radisavljević I.: Geometry, mechanical properties and mounting of perforated plates for ballistic application, Materials and Design, 2010, Vol. 31, pp. 2916-2924, ISSN 0261-3069			
7.	Vrač D., Šidjanin (Sidjanin) L., Kovač P., Baloš S.: The influence of honing 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., Jovalekić Č., Sekulić D., Slankamenac M., Romčević M., Milutinović A., Baloš S., Romčević N.: Characterization of Nanostructured Spinel NiFe <sub>2</sub> O <sub>4</sub> Obtained by Soft Mechanochemical Synthesis, Science of Sintering, 2012, Vol. 44, No 3			
9.	Vrač D., Šidjanin (Sidjanin) L., Baloš S.: Mechanical finishing honing: cutting regimes and surface texture, Industrial Lubrication and Tribology, 2011, Vol. 63, No 6, pp. 427-432, ISSN 0036-8792			
10.	Baloš S., Balos T., Šidjanin (Sidjanin) L., Marković D., Pilić B., Pavličević J.: Study of PMMA biopolymer properties treated by microwave energy, Materiale Plastice, 2011, Vol. 48, No 02, pp. 127-131, ISSN 0025-5289			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		15		
Total of SCI(SSCI) list papers :		13		
Current projects :		Domestic :	2	International : 0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Berić B. Andrijana	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		04.11.2004	
Scientific or art field:		German	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	German
Master's thesis	2009	Faculty of Philology - Beograd	German
Bachelor's thesis	2003	Faculty of Philosophy - Novi Sad	German
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F330	German Language – LSP Course 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F331	German Language – LSP Course 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	NJ01Z	German Language – Elementary	( A00) Architecture, Undergraduate Academic Studies ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies ( F00) Graphic Engineering and Design, 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
4.	NJ02L	German Language – Pre-Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( G00) Civil Engineering, Undergraduate Academic Studies ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, 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

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
5.	NJ03Z	German Language – Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
6.	NJ04L	German Language – Upper-Intermediate	( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies ( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( 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		
9.	NJ1L	German Language - Elementary	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
10.	NJT1	German Language for Engineers 1	( H00) Mechatronics, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	SSIP22	German Language for Engineers 1	( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies		
12.	NJ01Z	Nemački jezik - osnovni(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
13.	NJ02L	Nemački jezik - niži srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
14.	NJ03Z	Nemački jezik - srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
15.	NJ04L	Nemački jezik - napredni srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
16.	NJT1	Nemački jezik u tehnici 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
17.	NJ02L	German Language – Pre-Intermediate	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies		
18.	NJIIM	German for Specific Purposes	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
19.	F508	German Language for GRID 3	( F00) Graphic Engineering and Design, Master Academic Studies
20.	nja	German Language in Architecture	(AH0) Architecture, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Prevod: Inovacije i trendovi u proizvodnji alatnih mašina		
2.	Prevod: Inženjerstvo mehatroničnih sistema		
3.	Prevodi za Pro Elektro (u toku)		
4.	Prevod: Arbeitszenarien und Optimierung von Abläufen und Steuerung von selbstorganisierenden Bionic Assembly System in CIM Umgebung (u toku)		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0      International :      0





	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2>		
UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	

Science, arts and professional qualifications



Name and last name:		Bjelaković M. Radivoje	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 25.09.1975	
Scientific or art field:		Thermal Energetics and Thermotechnics	
Academic carieer	Year	Institution	Field
Academic title election:	2004	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
PhD thesis	1988	Faculty of Mechanical Engineering - Beograd	Thermal Energetics and Thermotechnics
Magister thesis	1982	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
Bachelor's thesis	1972	Faculty of Mechanical Engineering - Beograd	Thermal Energetics and Thermotechnics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M3305	Heating, Ventilation and Air-Conditioning	( M30) Energy and Process Engineering, Undergraduate Academic Studies
2.	Z412A	Process apparatus for protecting the environment	(Z20) Environmental Engineering, Undergraduate Academic Studies
3.	Z412	Procesni aparati za zaštitu okoline(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	M3048	Heating, Ventilation and Air-Conditioning	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	GS002	Energy Efficiency of Heating and Air Conditioning Systems	( G10) Energy Efficiency in Buildings, Specialised Academic Studies
6.	GS003	Renewable Energy in Civil Engineering	( G10) Energy Efficiency in Buildings, Specialised Academic Studies
7.	I070	Energy efficiency	( M50) Energy Management, Master Academic Studies
8.	I939	Merenje, nadzor i upravljanje	( M50) Energy Management, Master Academic Studies
9.	M3410	Unconventional systems for heating and cooling	( M30) Energy and Process Engineering, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Supplement to the optimisation of district heating network for changeable hydraulic regimes,The Second word Congress on heating,ventilating,refrigerating and air conditioning-CLIMA 2000,Heating components and systems,PP 161-165,Sarajevo,1989.		
2.	Prilog odredjivanju optimalnih hidrauličkih parametara mreže daljinskog grejanja za promenljive protoke vode metodom dinamičkog programiranja,KGH,1/1194,s.25-28		
3.	Prilog odredjivanju optimalne raspodele raspoloživih napora mreže daljinskog grejanja sa više toplotnih izvora,KGH,1/1998,s.53-56.		
4.	Odredjivanje optimalnih gubitaka pritiska prstenaste mreže daljinskog grejanja,KGH,1/2000,s.75-80		
5.	Optimizacija mreže daljinskog grejanja,Fakultet tehničkih nauka,Novi Sad,2002.		
6.	Eksploatacija vrelvodnih mreža daljinskog grejanja sa više toplotnih izvora,Fakultet tehničkih nauka,Novi Sad,1981.		
7.	Odredjivanje optimalnih hidrauličkih parametara mreže daljinskog grejanja za promenljive režime,Mašinski fakultet, Beograd,1988.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0 International : 0





	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Bogdanović Ž. Vesna	
Academic title:		Senior Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.12.1999	
Scientific or art field:		English	
Academic carier	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	English
Magister thesis	2007	Faculty of Philosophy - Novi Sad	English
Bachelor's thesis	1999	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	( A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	( A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	( A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	( A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	( G00) Civil Engineering, Undergraduate Academic Studies ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	( 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 ( 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
7.	EJ02L	English Language – Pre-Intermediate	( 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 ( 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

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
8.	EJ02Z	English Language – Pre-Intermediate	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
9.	EJ03Z	English Language - Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	EJ04L	English Language – Upper Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	EJ1Z	English Language - Elementary	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
12.	EJ2L	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	( H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	( G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( 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 (Indija), 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	Energy and Process Engineering	
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.	EJIM	English for Specific Purposes	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies	
35.	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 ( 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	
36.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies	
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	
Representative references (minimum 5, not more than 10)				
1.	Vesna Marković, English in Civil Engineering, FTN Izdavaštvo, Novi Sad, 2004.			
2.	Vesna Bogdanović, Ivana Mirović, Engleski jezik za grafičko inženjerstvo i dizajn 1, FTN Izdavaštvo, Novi Sad, 2007.			
3.	Ivana Mirović, Vesna Bogdanović, Engleski jezik 2 za grafičko inženjerstvo i dizajn, FTN Izdavaštvo, Novi Sad, 2008			
4.	Vesna Marković, English in Civil Engineering, drugo izdanje, FTN Izdavaštvo, Novi Sad, 2008.			
5.	University of Novi Sad, Faculty of Technical Sciences, prevele: Marina Katić, Vesna Marković, Ivana Mirović, Fakultet tehničkih nauka, Novi Sad, 2004.			
6.	Mr Vesna Bogdanović, Pačvork romani Alis Voker i Toni Morison, Beograd: Zadužbina Andrejević, 2009, ISBN 978-86-7244-743-9			
7.	Bogdanović Vesna, Mirović Ivana, Ličen Branislava, Kreiranje udžbenika za stručni engleski jezik za studente različitog predznanja, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 445-454			
8.	Mirović Ivana, Bogdanović Vesna, Ličen Branislava, Istorijat nastave stručnog engleskog jezika na FTN-u u Novom Sadu, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 170-176			



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
9.	Bulatović Vesna, Gak Dragana, Bogdanović Vesna, Nastava stranih jezika na privatnom fakultetu, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 329-332		
10.	Gak Dragana, Bulatović Vesna, Bogdanović Vesna, Poređenje nastave engleskog jezika na privatnom i državnom fakultetu, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 705-712		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0
		International :	0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Borovac A. Branislav	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.1975	
Scientific or art field:		Mechatronics, Robotics and Automation and Integral Systems	
Academic carier	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Magister thesis	1982	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Bachelor's thesis	1975	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EM436	Mechatronics	( M30) Energy and Process Engineering, Undergraduate Academic Studies
2.	H102	Fundamentals in Product Development	( H00) Mechatronics, Undergraduate Academic Studies
3.	H1404	Mechatronics	( H00) Mechatronics, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	H308	Industrial Robotics	( H00) Mechatronics, Undergraduate Academic Studies
5.	I600	Industrial Robotics	( F10) Engineering Animation, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	BM116A	Basics of medical robotics	( BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	EM436A	Mechatronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	II1035	Industrial robotics	( I10) Industrial Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	H1503	Non Industrial Robotics and Automation in Buildings	( H00) Mechatronics, Master Academic Studies ( I10) Industrial Engineering, Master Academic Studies
10.	HDOK1 S	Selected topics in industrial robotics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	HDOK2 S	Selected topics in non-industrial robotics	( I12) Industrial Engineering, Specialised Academic Studies
12.	IMDR0S	Selected chapters in enterprise's design, organization and control	( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies
13.	NIT05	Advanced Technology for Material Handling	( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
14.	AD0007	Interactive systems in architecture	( AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
15.	H828	Advanced robotics	( H00) Mechatronics, Master Academic Studies
16.	H829	Advanced robotics	( I10) Industrial Engineering, Master Academic Studies ( M40) Technical Mechanics and Technical Design, Master Academic Studies
17.	IIDS6	Selected chapters in automation	( I12) Industrial Engineering, Specialised Academic Studies
18.	GD018	Automation and Robotics in Construction	( G00) Civil Engineering, Doctoral Academic Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies





		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
19.	HDOK-1	Selected Chapters in Industrial Robotics	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies ( H00) Mechatronics, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies		
20.	HDOK-2	Selected Chapters in Non-Industrial Robotics	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies ( H00) Mechatronics, Doctoral Academic Studies ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies		
21.	HDOKL1	Selected topics in non-industrial robotics	( H00) Mechatronics, Doctoral Academic Studies ( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies		
22.	HDOKL2	Selected topics in non-industrial robotics	( H00) Mechatronics, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies		
23.	IMDR0	Science of Industrial Engineering and Management	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
24.	IMDR80	Selected chapters in automation	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	M. Vukobratović, V. Potkonjak, K. Babković, B. Borovac, Simulation model of general human and humanoid motion, Multibody System Dynamics, Volume 17, Number 1, (February, 2007), pp. 71-96 (ISSN 1384-5640 (Print) 1573-272X (Online))				
2.	Vukobratović M., Borovac B., Potkonjak V., Towards a Unified Understanding of Basic Notions and Terms in Humanoid Robotics, Robotica (2007) Vol. 25, pp. 87-101				
3.	Vukobratović M., Borovac B., Potkonjak V., ZMP: A Review of Some Basic Misunderstandings, Int. Jour. of Humanoid Robotics, Vol. 3, No. 2 (2006), pp. 153-176				
4.	V. Potkonjak, M. Vukobratović, K. Babković, B. Borovac, General Model of Dynamics of Human and Humanoid Motion: Feasibility, Potentials and Verification, Int. Jour. of Humanoid Robotics, Vol. 3, No. 2 (2006), pp. 21-48				
5.	Vukobratović M., Borovac B., Babković K., "Contribution to the Study of Anthropomorphism of Humanoid Robots", Int. Jour. of Humanoid Robotics, Vol. 2, No. 3 (2005), pp. 361-387				
6.	Vukobratović M., Borovac B., Note on the Article "Zero-Moment Point- Thirty Five Years of its Life", Int. Jour. of Humanoid Robotics, Vol. 2, No.2, June 2005, pp. 225-227				
7.	Vukobratović M., Borovac B., "Zero-Moment Point- Thirty Five Years of its Life", Int. Jour. of Humanoid Robotics, Vol. 1, No.1, March 2004, pp. 157-173				
8.	M. Vukobratović, D. Andrić, B. Borovac, "How to Achieve Various Gait Patterns from Single Nominal ", International Journal of Advanced Robotic Systems, Vol. 1., No. 2, Page 99-108, 2004				
9.	L. Juhas, A. Vujanić, N. Adamović, L. Nagy, B. Borovac "A Platform for Micro-Positioning Based on Piezo-Legs", The Journal of Mechatronics, Vol. 11, (2001), pp.869-897				
10.	M. Vukobratović, D. Andrić, B. Borovac, "Humanoid Robot Motion in Unstructured Environment - Generation of Various Gait Patterns from a Single Nominal ", Cutting Edge Robotics, Edited by V. Kordic, A. Lazanica, M. Merdan, Published by pIV pro literatur Verlag Robert Mayer-Scholz, © 2005 Advanced Robotic Systems International, Page 577-598, 2005				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		1998			
Total of SCI(SSCI) list papers :		35			
Current projects :		Domestic :	2	International :	1



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Bukurov Ž. Maša	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.11.1993	
Scientific or art field:		Applied Fluid Mechanics - Hydro Pneumatic Technics	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Fluid Mechanics - Hydro Pneumatic Technics
PhD thesis	2004	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Magister thesis	1998	University of Novi Sad - Novi Sad	Environment Protection Engineering
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M205	Fundamentals of Fluid Mechanics	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
2.	M205L	Fundamentals in Fluid Mechanics	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
3.	M212	Fluid Mechanics 1	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	M3301	Pumping and Compression Stations	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	M3306	Devices for Mechanical Purification	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	M3403	Fluid Machines	( M30) Energy and Process Engineering, Undergraduate Academic Studies
7.	M3453	Measurement of fluid properties	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	URZP14	Fundamentals of Mechanical Engineering	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
9.	M3203	Technology of machinery	( M30) Energy and Process Engineering, Undergraduate Academic Studies
10.	M3401	Fluid Mechanics 2	( M30) Energy and Process Engineering, Undergraduate Academic Studies
11.	M3496	Pipeline Transportation	( M30) Energy and Process Engineering, Undergraduate Academic Studies
12.	M3553	Pipe Networks Modelling	( M30) Energy and Process Engineering, Master Academic Studies
13.	M3513	Computational Fluid Dynamics	( M30) Energy and Process Engineering, Master Academic Studies
14.	S0M112	Theory of ship's motion and maneuverability	( S00) Traffic and Transport Engineering, Master Academic Studies







	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
1.	M. Milankov, Maša Bukurov, A. Jovanović, T. Somer, EXPERIMENTAL STUDY OF THE HYDRODINAMIC EFFECTS OF IRRIGATION SUCTION DRAINAGE, Arch Orthop Trauma Surg 116 (4), p. 299-304, 1997.		
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 inženjerstva zaštite životne sredine, 1998.		
7.	Siniša Bikić, Maša Bukurov, IMPORTANCE OF OPEN CHANNEL CALIBRATION IN FLOW RATE MEASURING, Scintific conference 2, 2006, Rousse. (proceedings, volume 45, book 1, ISSN 1311-3321)		
8.	Ž. Bukurov, Maša Bukurov, B. Todorović, S. Bikić, ZAKONITOSTI TRANSFORMACIONOG PROCESA ENERGIJE PARE U ENERGIJU PRITISKA KROZ PARO-VODENU MLAZNU PUMPU, Industrijska energetika 2004, Lepenski vir, oktobar 2004		
9.	Maša Bukurov, Istraživanje svojstava nadyvučnog paro-vodenog injektora, doktorska disertacija, Fakultet tehničkih nauka, Novi Sad, 2004.		
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		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> <span>0</span> <span>International : 0</span> </div>

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 <b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering	
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Science, arts and professional qualifications



Name and last name:		Cvetičanin J. Livija	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 12.11.1975	
Scientific or art field:		Machine Mechanics	
Academic carier	Year	Institution	Field
Academic title election:	1992	Faculty of Technical Sciences - Novi Sad	Machine Mechanics
PhD thesis	1981	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Magister thesis	1977	Faculty of Mathematics - Beograd	Mechanics
Bachelor's thesis	1975	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IAKI01	Selected Chapters in Kinematics	( F10) Engineering Animation, Undergraduate Academic Studies
2.	M103	Mechanics 1	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
3.	M107	Mechanics 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
4.	M201	Mechanics 3	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
5.	M2411	Theory of Oscillation	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
6.	DM405	Chaos in Dynamic Systems	( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies
7.	DM408	Nonlinear Oscillations	( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies
8.	FDS143	Selected Chapters in Technical Mechanics	( F00) Graphic Engineering and Design, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	1.L. Cveticanin, Dynamics of Machines with Variable Mass, Gordon and Breach Science Publishers, London, p.236, 1998.		
2.	L. Cveticanin, Particle separation from a four-particle-system, European Journal of Mechanics - A/Solids, Volume 26, Issue 2, March-April 2007, Pages 270-285.		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering		
Representative references (minimum 5, not more than 10)			
3.	L. Cveticanin, Homotopy-perturbation method for pure non-linear differential equation, Chaos, Solitons and Fractals, Vol.30, 2006, 1221-1230		
4.	L. Cveticanin, Free vibration of a Jeffcott rotor with pure cubic non-linear elastic property of the shaft, Mechanism and Machine Theory, Vol.40, 2005, 1330-1344.		
5.	L. Cveticanin, Approximate solution of a strongly non-linear complex differential equation, Journal of Sound and Vibration, Vol.284, No.1-2, 2005, pp.503-512.		
6.	L. Cveticanin, Vibrations of the non-linear oscillator with quadratic non-linearity, Physica A, Vol.341, 2004, pp.123-135.		
7.	M. Zukovic, L. Cveticanin, R. Maretic, Dynamics of the cutting mechanism with flexible support and non-ideal forcing, Mechanism and Machine Theory, Vol.58, 2012, 1-12.		
8.	L. Cveticanin, M. KalamiYazdi, H. Askari, Z. Saadatnia, Vibration of a two-mass system with non-integer order nonlinear connection, Mechanics Research Communications 43 (2012) 22-28.		
9.	L.Cveticanin, Oscillator with fraction order restoring force, Journal of Sound and Vibration, Vol.320, 2009, 1064-1077.		
10.	L. Cveticanin, Pure odd-order oscillators with constant excitation, Journal of Sound and Vibration, Vol.330, 2011, 976-986.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		706	
Total of SCI(SSCI) list papers :		134	
Current projects :		Domestic :	International :
		2	0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Dobromirov P. Dušan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2006	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2010		Production Systems, Organization and Management
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	2001	Faculty of Technical Sciences - Novi Sad	Management and Business
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IM1406	Investments Risk Management	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1413	Corporate restructuring	(I20) Engineering Management, Undergraduate Academic Studies
3.	M3499	Energy markets	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	I904/S	The Theory and Practice of Corporate Finance	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies
5.	IM005	International financial transactions	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies
6.	IM006	Money and banking practical aspects	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies
7.	IMDR0S	Selected chapters in enterprise's design, organization and control	( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies
8.	IMDS47	Behavioral Corporate Finance	( I22) Engineering Management, Specialised Academic Studies
9.	IMDS87	Financial engineering of public sector	( GI0) Geodesy and Geomatics, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies
10.	SZP003	Selected Chapters in Applied Management	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies
11.	IM2407	International business and finance	(I20) Engineering Management, Master Academic Studies
12.	IM2420	Algorithmic trading	(I20) Engineering Management, Master Academic Studies
13.	IM2423	Energy markets	( M50) Energy Management, Master Academic Studies
14.	IMDR0	Science of Industrial Engineering and Management	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
15.	IMDR47	Behavioral Corporate Finance	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	IMDR87	Financial engineering of public sector	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
1.	Dušan Dobromirov "Strategija uvođenja i razvoja tržišta valutnih finansijskih derivata"		
2.	Sando S., Radišić M., Dobromirov D.: Emerging markets - Galapagos for behavioral financial research (in print), Actual Problems of Economics, 2012, ISSN 1993-6788		
3.	Marić B., Dobromirov D., Radišić M.: Researching the dependence between the dynamic indicators of investment profitability, African Journal of Business Management, 2011, Vol. 5, No 13, pp. 5076-5082, ISSN 1993-8233		
4.	Bojović Ž., Šećerov E., Dobromirov D., Šenk V.: Maximizing the Profit of Telecom Telcos by a Novel Traffic Scheduling Policy, Electronics and electrical engineering, 2011, Vol. 7, No 113, pp. 67-73, ISSN 1392-1215		
5.	Radišić M., Marić B., Dobromirov D.: SMEs and entrepreneurs investments' profitability effects within the transition period in the Republic of Serbia, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2654-2659, ISSN 1993-8233		
6.	Dobromirov D., Radišić M., Kupusinac A.: Emerging markets arbitrages' perception: Risk versus growth potential, African Journal of Business Management, 2011, Vol. 5, No 3, pp. 713-721, ISSN 1993-8233		
7.	Bojović Ž., Šenk V., Dobromirov D., Bojović P.: Intervendor working of VOIP networks, Journal of the Institute of Telecommunications Professionals, 2011, Vol. 5, No 3, pp. 26-32, ISSN 1755-9278		
8.	Borocki J., Dobromirov D., Radišić M., Milinković M.: Key success factors of companies' innovation activities, 2. Preduzetnička konferencija "Zapošljavanje kroz prizmu preduzetništva", Podgorica: Ekonomski fakultet, Univerzitet Crne Gore, 18 Maj, 2012		
9.	Bašić B., Marić B., Dobromirov D., Radišić M.: MASS CUSTOMIZATION APPROACH IN PUBLIC SECTOR - AN EXAMPLE FROM TAX ADMINISTRATION, 5. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Faculty of Technical Sciences, 19-21 Septembar, 2012, pp. 13-21, ISBN 978-86-7892-432-3		
10.	Ferenčak M., Stanišić I., Radišić M., Dobromirov D.: Level of frictional unemployment in the Republic of Serbia, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Departman za industrijsko inženjerstvo i menadžment, Novi Sad, 14-16 Septembar, 2011, pp. 537-541, ISBN 978-86-7892-341-8		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		1	
Total of SCI(SSCI) list papers :		6	
Current projects :		Domestic :	1
		International :	0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>		
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Science, arts and professional qualifications

Name and last name:		Doroslovački D. Rade	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.1978	
Scientific or art field:		Mathematics	
Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1989	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1984	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1976	Faculty of Sciences - Novi Sad	Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E213	Discrete Mathematics and Linear Algebra	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E101	Discrete Mathematics	( ES0) Power Software Engineering, Undergraduate Academic Studies
3.	E101A	Discrete Mathematics	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	IM1523	Discrete Mathematics	( M30) Energy and Process Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	IM1706	Actuerial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
6.	SE0009	Discrete Mathematics	( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	OM503	Combinatorics and Graph Theory	( OM1) Mathematics in Engineering, Master Academic Studies
8.	OM509	Applied Abstract Algebra	( OM1) Mathematics in Engineering, Master Academic Studies
9.	OM511	Geometry	( OM1) Mathematics in Engineering, Master Academic Studies
10.	OML503	Combinatorics and Graph Theory	( OM1) Mathematics in Engineering, Master Academic Studies
11.	OML509	Applaid Abstract Algebra	( OM1) Mathematics in Engineering, Master Academic Studies
12.	OML511	Geometry	( OM1) Mathematics in Engineering, Master Academic Studies
13.	DZ01MS	Selected Chapters in Mathematics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies ( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies ( Z00) Environmental Engineering, Specialised Academic Studies
14.	OM519	Actuerial Mathematics	( OM1) Mathematics in Engineering, Master Academic Studies
15.	OML519	Actuerial Mathematics	( OM1) Mathematics in Engineering, Master Academic Studies





	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
16.	D0M08	Applied Abstract Algebra	( OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M17	Combinatorics	( OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M20	Graph Theory	( OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M34	Actuarial Mathematics	( OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	DOM31	Combinatorial Matrix Theory	( OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	R. Doroslovački, R. Tošić and I. Stojmenović: Generating and counting triangular system, BIT: 27(1987) 18-24, Kobenhavn, R 54		
2.	R. Doroslovački, R. Tošić i J. Gutman: Topological properties of benzenoid systems, XXXVIII, the boundary code, Match in mathematical chemistry (19) (219-228) Max- Plank-Institut fur Strahlenchemije, Mulheim (1986)		
3.	Rade Doroslovački: Binary Sequences without 01...10, Matematički vesnik, Mathematical Society of Serbia, 46 (1994), 93-98.		
4.	Rade Doroslovački: On binary n-words with forbidden 4-subwords, (1997/01) Novi Sad Journal of Mathematics.		
5.	R. Doroslovački, J. Pantović, G.Vojvodić: Note on Intersection of Maximal Clones, (1998/02) Novi Sad, Journal of Mathematics.		
6.	R. Doroslovački, J. Pantović, G. Vojvodić: Classification of Maps by their Membership in Maximal Clones that contain Minimum and Complement, Matematički vesnik,, Mathematical Society of Serbia, 51, (1999), 21-28		
7.	Rade Doroslovački, Jovanka Pantović and Gradimir Vojvodić: One Interval in the Lattice of Partial Hyperclones, Czechoslovak Mathematical Journal, 55 (130),2005, 719-724, (R52)		
8.	O. Bodroža-Pantić, R. Doroslovački, K. Doroslovački, AN ELEMENTARY PROOF OF A THEOREM CONCERNING THE DIVISION OF A REGION INTO TWO," in Rocky Mountain Journal of Mathematics, Vol. 37, No.5, 2007, R 52		
9.	O. Bodroža-Pantić, R. Doroslovački, The Gutman formulas for algebraic structure count, Journal of Mathematical Chemistrz Vol.35,No.2, Februar 2004, R 51.		
10.	Ratko Tošić, Gradimir Vojvodić, Dragan Mašulović, Rade Doroslovački, Jovanka Rosić: Two examples of relative completeness, Multiple Valued Logic, An International Journal (Journal of Multiple-Valued Logic and Soft Computing), (1996), Vol. 2, pp. 67-78.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		60	
Total of SCI(SSCI) list papers :		5	
Current projects :		Domestic :	0
		International :	0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Dragutinović D. Gordan	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		06.04.1980	
Scientific or art field:		Thermodynamics and Heat Transfer	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Thermodynamics and Heat Transfer
PhD thesis	1987	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
Magister thesis	1983	Faculty of Mechanical Engineering - Beograd	Thermal Energetics and Thermotechnics
Bachelor's thesis	1977	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M203	Fundamentals of Thermodynamics	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
2.	M203L	Fundamentals in Thermodynamics	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
3.	M210	Thermodynamics	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	M215	Fundamentals of Heat Transfer	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	M3303	Fundamentals of Process Engineering	( M30) Energy and Process Engineering, Undergraduate Academic Studies
6.	URZP31	Fundamentals of Thermodynamics with Heat Transfer	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	GS013	Special topics of building physics and thermodynamics	( G10) Energy Efficiency in Buildings, Specialised Academic Studies
8.	BMIM4A	Transport phenomena and Living systems	( BM0) Biomedical Engineering, Master Academic Studies
9.	M3508	Mass Transfer	( M30) Energy and Process Engineering, Master Academic Studies ( M40) Technical Mechanics and Technical Design, Master Academic Studies
10.	DM307	Selected Chapters in Mass Transfer	( M00) Mechanical Engineering, Doctoral Academic Studies
11.	DM313	Process Kinetics	( M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Dragutinovic, G.D., Baclic, B.S. "Operation of Counterflow Regenerators", Book Vol. 4 in Series "Developments in Heat Transfer", Computational Mechanics Publications, Southampton, 1998.		
2.	Baclic, B.S. and Dragutinovic, G.D., "Asymmetric-unbalanced Counterflow Thermal Regenerator Problem: Solution by the Galerkin Method and meaning of dimensional Parameters, Int. J. Heat Mass Transfer, Vol.34, No. 2, 1991, pp. 483-498.		







	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>		
Representative references (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 Amzeius-Schumann J function", Thermal Science, Vol. 1, No. 1, 1997, pp. 109-116.		
6.	Dragutinović, D.G., Dimić, M., Sinteza optimalnih mreža toplotnih razmenjivača, Termotecnika, 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., Mogućnost kombinovane proizvodnje električne i toplotne energije iz biomase u AP Vojvodini, Novi Sad, PSEMR AP Vojvodina, 2008		
9.	Nedeljkov, M., Dragutinović, G., Mathematical Simulation od Deep-Bed Drying of Grains - A numerical simulation, CHISA, Prag, avgust 1987		
10.	Nedeljkov, M., Dragutinović, G., Mogućnosti i uslovi racionalizacije procesa konvektivnosg sušenja zrnastih poljoprivrednih proizvoda, 7. simpozijum termičara, Ohrid, maj 1984.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		11	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	International :
		2	0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>		
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Science, arts and professional qualifications



Name and last name:		Đaković D. Damir	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.12.2001	
Scientific or art field:		Process Technics	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Process Technics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Process Technics
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Process Technics
Bachelor's thesis	2001	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	I079	Modern Energy Technologies	( M50) Energy Management, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	M3303	Fundamentals of Process Engineering	( M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	M3406	Heat Apparatus	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3409A	Modern Energy Technologies	( M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	M3507	Combustion Technology	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	Z412A	Process apparatus for protecting the environment	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z412	Procesni aparati za zaštitu okoline(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	M211	Measurement and Regulation	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
9.	M3031	Engineering Calculations of Energy Technologies Apparatus and Equipment	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
10.	M3517	Construction in energy and process engineering	( M30) Energy and Process Engineering, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
11.	ZRI41A	Security and Safety at Work in Process Plants	( Z01) Safety at Work, Undergraduate Academic Studies
12.	I079	Modern Energy Technologies	( M50) Energy Management, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
13.	I915	Energy Transformations	( M30) Energy and Process Engineering, Master Academic Studies
14.	I916	Energy Management in Industry	( M50) Energy Management, Master Academic Studies
15.	GS002	Energy Efficiency of Heating and Air Conditioning Systems	( G10) Energy Efficiency in Buildings, Specialised Academic Studies
16.	I070	Energy efficiency	( M50) Energy Management, Master Academic Studies
17.	I915	Energy Transformations	( M50) Energy Management, Master Academic Studies
18.	M3503	Dinamika i modeliranje termoeenergetskih postrojenja(uneti naziv na engleskom)	( M30) Energy and Process Engineering, Master Academic Studies
19.	M3506	Drying Technique	( M30) Energy and Process Engineering, Master Academic Studies
20.	M3508	Mass Transfer	( M30) Energy and Process Engineering, Master Academic Studies ( M40) Technical Mechanics and Technical Design, Master Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
21.	M3515	Energy Systems	(M30) Energy and Process Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies
22.	M3517	Construction in energy and process engineering	(M30) Energy and Process Engineering, Master Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies
23.	DM307	Selected Chapters in Mass Transfer	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	DM313	Process Kinetics	(M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
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 A., Bjelaković R., Anđelković A., Đaković D.: Covering of Heating Load of Object by Using ground heat as a Renewable Energy Source, Thermal Science, 2012, Vol. 16, No Suppl 1, pp. 225-235, ISSN 0354-9836		
6.	Đaković D, Vujić G, Bašić Đ, Dimić M. "Several models of grain drying theory – principles and obstacles", PSU-UNS International Conference on Engineering and Environment - ICEE-2007, Phuket, Thailand: Prince of Songkla University, Faculty of Engineering, 10-11 May, 2007, pp. 614- 617		
7.	Đaković D, Dimić M. "Poređenje nekih jednačina konvektivnog sušenja zrnastih materijala u nepokretnom tankom sloju", Zbornik apstrakata, ISBN 86-80587-70-2, s. 62, CD ISBN 978-86-80-587-80-6, 13. Simpozijum termičara Srbije, Sokobanja, Srbija, 16.10.-19.10.2007.		
8.	Đaković D, Spasojević M, Štrbac D, Dimić M. "Primena eksergijske analize na proces sušenja kukuruza u tankom sloju", PTEP, 12(4), 233-235, 2008		
9.	Đaković D, Dimić M, Spasojević M, Štrbac D, "Possibility of exergy analysis application on drying process", 4th International Conference on Engineering Technologies, ICET 2009, 28-30th April, 2009, ISBN: 978-86-7892-161-2, pp. 376-380, Novi Sad, Serbia		
10.	Đaković D, Dimić M. "Pregled pristupa modelovanju fenomena prenosa u sušarama sa kombinovanim tokovima", PTEP, 13(3), 283-287, 2009		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		5	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> <span>2</span> <span>International : 1</span> </div>

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Đurić M. Nikola	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.1997	
Scientific or art field:		Theoretical Electrotechnics	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Theoretical Electrotechnics
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E216	Fundamentals of Electrical Engineering	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies
2.	EE300	Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	H104	Fundamentals of Electrical Engineering 1	( H00) Mechatronics, Undergraduate Academic Studies
4.	H108	Fundamentals of Electrical Engineering 2	( H00) Mechatronics, Undergraduate Academic Studies
5.	M112	Electrical Engineering and Electric Machines	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	E105	Fundamentals of Electrical Engineering 1	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
7.	E110	Fundamentals of Electrical Engineering 2	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	BMI94	Fundamentals of Electrical Engineering	( BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	DE416S	Investigation of electromagnetic fields	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE517S	Technology of magnetic and optical data storage	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	EE543	Electro Magnetic Energy	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	E1IEP	Investigation of electromagnetic fields	( MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
13.	H799	Fieldbuses and protocols	( H00) Mechatronics, Master Academic Studies
14.	H845	Motion control	( H00) Mechatronics, Master Academic Studies ( I10) Industrial Engineering, Master Academic Studies
15.	DE416	Investigation of electromagnetic fields	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
16.	DE517	Technology of magnetic and optical data storage	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Đurić N., Despotović M. : Application of MTR soft-decision decoding in multiple-head magnetic recording systems, Sadhana - Academy Proceedings in Engineering Science, 2009, Vol. 34, Broj 3, str. 381-392, ISSN 0256-2499		
2.	Đurić S., Nađ L., Damjanović M., Đurić N., Živanov Lj.: A novel application of planar-type meander sensors, Microelectronics International, 2011, Vol. 28, No 1, pp. 41-49, ISSN 1356-5362		
3.	Đurić N., Kavečan N.: Internet Portal of the SEMONT Information Network for the EM Field Monitoring, 4. International Conference on Advances in Future Internet - AFIN, Rim, 19-24 Avgust, 2012, pp. 55-59, ISBN 978-1-61208-211-0 (Best paper award)		
4.	Đurić N., Kavečan N., Kljajić D.: The EM Field Register of the SEMONT Broadband Monitoring Network, 10. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 20-22 Septembar, 2012, pp. 27-30, ISBN 978-1-4673-4748-8		
5.	Đurić N., Šenk V.: The MAP Implementation in Logic Circuits for Soft-decision Decoding of MTR Codes, 6. European Modeling Symposium - EMS, Malta, 14-16 Novembar, 2012, pp. 201-206, ISBN 978-0-7695-4926-2/12		
6.	Đurić N., Prša M., Kasaš-Lažetić K.: Information Network for Continuous Electromagnetic Fields Monitoring, International Journal of Emerging Sciences - IJES, 2011, Vol. 1, No 4, pp. 516-525, ISSN 2222-4254		
7.	Vukobratović B., Đurić N.: Monitoring of EMF with SEMONT system, 6. International PhD Seminar on Computational electromagnetics and bioeffects of electromagnetic fields – CEMBEF, Novi Sad, 28-30 Jun, 2012, pp. 63-66, ISBN 978-86-7892-410-1		
8.	Bajović V., Đurić N., Herceg D.: Serbian Laws and Regulations as Foundation for Electromagnetic Field Monitoring Information Network, 10. International Conference on Applied Electromagnetics, Niš, 25-29 Septembar, 2011, ISBN ISBN: 978-86-6125-04		
9.	Đurić N., Prša M., Kasaš-Lažetić K., Bajović V.: Serbian Remote Monitoring System for Electromagnetic Environmental Pollution, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 701-704, ISBN 978-1-4577-2016-1		
10.	Đurić N., Šenk V., Vasić B.: MAP Decoding of MTR Codes in Multiple-Head Magnetic Recording Systems, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 164-167, ISBN 978-1-4577-2018-5		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	3 International : 2



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Đurić N. Slavko	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.01.2007	
Scientific or art field:		Environment Protection Engineering	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	2003	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering
Magister thesis	1998	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering
Bachelor's thesis	1980	Faculty of Mathematics - Beograd	Mathematics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M3303	Fundamentals of Process Engineering	( M30) Energy and Process Engineering, Undergraduate Academic Studies
2.	M3406	Heat Apparatus	( M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	Z304	Propagation of Disturbances	(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z304A	Propagation of disturbances	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	Z306	Process Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z306A	Process Engineering	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	Z311	Process Systems and Equipment	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z412A	Process apparatus for protecting the environment	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	Z417	Methods and Systems for Water Treatment	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	ZR404	Occupational Safety Systems, Means and Equipment	( Z01) Safety at Work, Undergraduate Academic Studies
11.	Z101	Uvod i principi zaštite okruženja(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
12.	Z401A	Projektovanje i planiranje u zaštiti životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
13.	Z412	Procesni aparati za zaštitu okoline(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
14.	Z417	Postupci i postrojenja za tretman voda(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
15.	ZRI41A	Security and Safety at Work in Process Plants	( Z01) Safety at Work, Undergraduate Academic Studies
16.	Z501	21BProtection System Design	(Z20) Environmental Engineering, Master Academic Studies
17.	Z501	Projektovanje sistema zaštite(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
18.	M3506	Drying Technique	( M30) Energy and Process Engineering, Master Academic Studies
19.	M3508	Mass Transfer	( M30) Energy and Process Engineering, Master Academic Studies ( M40) Technical Mechanics and Technical Design, Master Academic Studies
20.	M3511	Diffusion apparatus	( M30) Energy and Process Engineering, Master Academic Studies
21.	SZSP17	Savremene instrumentalne metode analize zagađujućih supstanci u životnoj sredini	( Z00) Environmental Engineering, Specialised Academic Studies





	UNIVERSITY OF NOVI SAD			
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>			
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 occupational safety	( Z01) Safety at Work, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	Đurić, S., Omerović, M., Brankov, S., Džaferović, E., Stanojević, P., (2011): Experimental examination of sulphur dioxide separation from mixture of gas in dry procedure with the aid of calcium carbonate, Thermal Science, ISSN 0354-9836 Vol. 15, No.1, pp. 115-124			
2.	Đurić S., Stanojević P., Đaković D., Jovović A., (2010): 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, ISSN 1451-9372 Vol.16, No.3, pp. 229-236			
3.	Đurić S., Stanojević P., Đuranović D., Brankov S., Milašinović S., Qualitative analysis of coal combusted in boilers of the thermal power plants in Bosnia and Herzegovina, Thermal Science 2012 Volume 16, Issue 2, Pages: 605-612.			
4.	Nakomčić, B., Stajić, T., Cepić, Z., Đurić, S., Geothermal energy potentials in the province of Vojvodina from the aspekt of the direct energy utilization, Renewable and Sustainable Energy Reviews, 2012 Volume 16, Issue 8, Pages: 5696-5700			
5.	Djuric Slavko N, Brankov Sasa D, Stanojevic Petko, Bozickovic ranko, IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION, (2012), vol. 31 br. 2, str. 45-51			
6.	Slavko (Nikola) Đurić, Žarko (Mirko) Bojić, Dragan (Boro) Đuranović, Boro (Branko) Gojković, Slobodan (Nestor) Tašin, Zdravko (Cvijan) Božićković, The analysis of the road traffic accidents directly caused by tractor drivers in the territory of the Republic of Serbia, RAD PRIHVAČEN ZA ŠTAMPU U ČASOPISU: TTEM-Technics Technologies Education Management, Vol.8, No.2, 5/6. 2013			
7.	Đurić, S., Đaković, D., (2009): The qualitative estimation of Montenegro lignite characteristics, 4th Internacional Conference on Engineering Technologies ICET, Novi Sad, 28th-30th April, 2009., PROCEEDINGS, ISBN 978-86-7892-227-5, Vol. 1, pp. 73-79			
8.	Đurić, S., Vojinović-Miloradov, M., Krmar, M., Slivka, J., Mrđa, D., (2007): Arandelović, 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 and suburban settlements, ISBN 978-86-83177-30-1, ISBN 86-83177-27-0 (za izdavačku celinu), Vol. I, pp. 169-176			
9.	Đurić, S., (2011): Redukcija emisije SO <sub>2</sub> 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			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		3		
Total of SCI(SSCI) list papers :		6		
Current projects :		Domestic :	3	International : 1

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Gak M. Dragana	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 16.09.2009	
Scientific or art field:		English	
Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Entrepreneurial Management - Novi Sad	English
Magister thesis	2010	Faculty of Philosophy - Novi Sad	English and American Literature
Bachelor's thesis	2000	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	( A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	( A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	( A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	( A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	( G00) Civil Engineering, Undergraduate Academic Studies ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	( 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 ( 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
7.	EJ02L	English Language – Pre-Intermediate	( 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 ( 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





		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
8.	EJ02Z	English Language – Pre-Intermediate	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
9.	EJ03Z	English Language - Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	EJ04L	English Language – Upper Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	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 ( 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		
12.	EJ2L	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	( H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	( G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies		
24.	EJPST	English Language in Postal Traffic	( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
25.	EJSIT	English Language in Traffic and Transport	( S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
26.	F320	English Language – ESP Course 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
27.	F321	English Language – ESP Course 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
28.	ISIT01	English Language 1	( SII) Software and Information Technologies (Indija), Undergraduate Professional Studies		
29.	ISIT07	English Language 2	( SII) Software and Information Technologies (Indija), 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		Energy and Process Engineering	
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.	EJIM	English for Specific Purposes	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies		
35.	EJ1Z	English Language - Elementary	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
36.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
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		
Representative references (minimum 5, not more than 10)					
1.	Gak Dragana, Lorejn Hansberi i (afro) američka porodica, Zadužbina Andrejević, Beograd, 2012				
2.	Gak Dragana, Bulatović Vesna, Bogdanović Vesna, Poređenje nastave engleskog jezika na privatnom i državnom fakultetu, Zbornik radova sa međunarodne konferencije Jezik struke: Teorija i praksa, Univerzitet u Beogradu, str. 705-709, Beograd, 2009.				
3.	Bulatović Vesna, Gak Dragana, Bogdanović Vesna, Nastava stranih jezika na privatnom fakultetu, Zbornik radova sa međunarodne konferencije Jezik struke: Teorija i praksa, Univerzitet u Beogradu, str.329-333, Beograd, 2009.				
4.	Bogdanović Vesna, Gak Dragana, Univerzalana simbolika na primeru afro-američke zajednice u drami Lorejn Hansberi, Sveske, broj 98, decembar , Pančevo, 2010				
5.	Gak Dragana, Borković Bojana, Needs Analysis: A Basis of a Successful Business English Course, Zbornik radova sa međunarodne konferencije Jezik struke: Izazovi i perspektive, Univerzitet u Beogradu, str. 880-885, Beograd, 2011.				
6.	Bulatović Vesna, Gak Dragana, Speaking Skills: Advantages and Problems Involved When Teaching Business English, Zbornik radova sa međunarodne konferencije Jezik struke: Izazovi i perspektive, Univerzitet u Beogradu, str. 235-240, Beograd, 2011.				
7.	Gak Dragana, Textbook - An Important Element in the Teaching Process, Metodčki vidici, Filozofski fakultet Novi Sad, str.78-82, Novi Sad, 2011.				



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>			
Representative references (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.			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :				
Total of SCI(SSCI) list papers :				
Current projects :	Domestic :		International :	

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Gerić D. Katarina	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 02.12.1976	
Scientific or art field:		Material Science and Engineering Materials	
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Material Science and Engineering Materials
PhD thesis	1997	Faculty of Technology and Metallurgy - Beograd	Material Science and Engineering Materials
Magister thesis	1985	Faculty of Technology and Metallurgy - Beograd	Material Science and Engineering Materials
Bachelor's thesis	1974	Faculty of Technology and Metallurgy - Beograd	Metallurgical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H106	Materials in Mechanical Engineering	( H00) Mechatronics, Undergraduate Academic Studies
2.	M105	Mechanical Materials	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
3.	P2412	Contemporary Materials	( P00) Production Engineering, Undergraduate Academic Studies
4.	P3401	Characteristics and Application of Plastic Materials	( P00) Production Engineering, Undergraduate Academic Studies
5.	ZC003	Electromechanical materials	( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	ZRI42A	Safety at work in metallurgy and thermochemical treatment of metal	( Z01) Safety at Work, Undergraduate Academic Studies
7.	P2502	Properties and Selection of Materials	( PM0) Production Engineering, Master Academic Studies
8.	PTS01	Technology of sintering	( PM0) Production Engineering, Master Academic Studies
9.	DM214	Selected Chapters in Working Strength	( M00) Mechanical Engineering, Doctoral Academic Studies
10.	SAP002	Engineering Materials	( M00) Mechanical Engineering, Doctoral Academic Studies
11.	SAP004	Fracture Mechanics	( M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Vratnica, M., Pluvinage, G., Jodin, P., Cvijović, Z., Rakin, M., Burzić, Z., Gerić, K.: Notch fracture toughness of high-strength Al alloys, Materials and Design, 2013, Vol. 44, pp. 303-310, ISSN: 0261-3069.		
2.	Cvijovic Z,Vratnica M, Geric K: Fractographic analysis of fatigue damage in 7000 aluminium alloys, Journal of Microscopy, Vol 232, 2008, pp. 589-594		
3.	Stasevic, M., Maksimovic, S., Geric, K., Burzic, Z., Vasovic, I.: Fatigue crack propagation models: Numerical and experimental comparisons, Technics Technologies Education Management - TTEM, 2012, Vol. 7, No. 2, pp. 801-810, ISSN: 1840-1503.		
4.	Stašević, M., Maksimović, S., Gerić, K., Burzić, Z., Maksimović, M.: Fatigue crack growth prediction from low cycle fatigue properties, Strojarstvo, 2011, Vol. 53, No. 3, pp. 171-178, ISSN: 0562-1887.		
5.	Vratnica M, Cvijovic Z, Geric K, The role of Intermetallic Phases in Fatigue Crack Propagation Behavior of Al-Zn-Mg-Cu alloy, Material Science Forum vol. 555, 2007, pp 553-558		
6.	Gerić K., Sedmak S., Glavardanov I. : Fracture mechanics parameters of heat affected zone of high strength microalloyed steel, Metallurgy and new materials researches. Vol.II, No.1-2, 1994, 114-125		
7.	Sedmak S., Gerić K.: Evaluation of crack significance in welded joint by fracture mechanic approach, Kovine, zlitine tehnologije1-2, 32, 1998, 21-27		
8.	Gerić K, Glavardanov I, Sedmak S.: Reliability and Structural integrity of advanced materials, deo J integral and Final Strech zone for crack in HSLAof Undermatched and Overmatched weldments, EMAS Publication LTD, pp. 996-1005		
9.	Gerić K.: Prsline u zavarenom spoju, monografija, Fakultet tehničkih nauka, Novi Sad, 2005.		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (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	
Current projects :	Domestic :	2	International : 0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Glavardanov B. Valentin	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 17.05.1990	
Scientific or art field:		Deformable Body Mechanics	
Academic carier	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
PhD thesis	1997	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Magister thesis	1995	Faculty of Mathematics - Beograd	Deformable Body Mechanics
Bachelor's thesis	1989	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F107	Technical Mechanics	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	H202	Strength of materials	( H00) Mechatronics, Undergraduate Academic Studies
3.	M204	Strength of Materials	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
4.	M2412	Theory of Elasticity	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
5.	M4302	Biomechanics and mechanics of sport	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
6.	M4304	Advanced strength of materials	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	M4306	Similarity and dimensional methods	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	M4401	Continuum mechanics	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	URZP14	Fundamentals of Mechanical Engineering	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
10.	BMI128	Continuum Biomechanics	( BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	II1004	Mechanics and Industrial Engineering	( I10) Industrial Engineering, Undergraduate Academic Studies
12.	M44041	Dynamics of non-smooth mechanical systems	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	M4504	Thermal Elasticity	( M40) Technical Mechanics and Technical Design, Master Academic Studies
14.	M45991	Biomechanics of cardiovascular system	( M40) Technical Mechanics and Technical Design, Master Academic Studies
15.	DM402	Selected Chapters in Elasticity Theory	( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies
16.	DM404	Selected Chapters in Mechanics of Continuum	( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies
17.	DZ003	Selected Chapters in Mechanics	( M00) Mechanical Engineering, Doctoral Academic Studies
18.	FDS143	Selected Chapters in Technical Mechanics	( F00) Graphic Engineering and Design, Doctoral Academic Studies
19.	ZRD16A	Selected chapters in mechanics and elasticity theory	( Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			





	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
1.	Spasic D.T., Glavardanov B.V.: Stability of a rigid sphere supported by a thin elastic column, European Journal of Mechanics A-Solids, vol. 15, No 2, pp 337-350, 1996		
2.	Atanackovic M.T., Glavardanov B.V.: Twisted axially loaded rod with shear and compressibility, Acta Mechanica, vol.119, pp 119-130, 1996		
3.	V. B. Glavardanov and T. M. Atanackovic, Stability of a pipe through which a string is pulled. Int. J. Non-Linear Mechanics 35, 7–20 (2000).		
4.	V. B. Glavardanov and T. M. Atanackovic, Optimal shape of a twisted compressed rod. European Journal of Mechanics A-Solids, 20, 795–809 (2001).		
5.	T. M. Atanackovic, V. B. Glavardanov, Buckling of a twisted and compressed rod. International Journal of Solids and Structures, 39, 2987-2999 (2002)		
6.	R.B. Maretić, V. B. Glavardanov, Stability of a Rotating Heated Circular Plate With Elastic Edge Support, Journal of Applied Mechanics-Transaction of the ASME, 71, 896-899, (2004)		
7.	Valentin Glavardanov: Zbirka rešenih zadataka iz teorije elastičnosti, FTN, Novi Sad, 2003.		
8.	T.M. Atanacković, V.B. Glavardanov: "Optimal shape of a heavy compressed column", Structural and Multidisciplinary Optimization, 28, 388-396, (2004)		
9.	R. Maretić, V. Glavardanov and V. Mitic, Vibration and Stability of a Heavy and Heated Vertical Circular Plate, International Journal of Structural Stability and Dynamics, vol 10, No 5, 1111-1121, 2010		
10.	Glavardanov V, Maretić R, Stability of a twisted and compressed clamped rod, Acta Mechanica, 202, 17-33, 2009		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		2	
Total of SCI(SSCI) list papers :		14	
Current projects :		Domestic :	International :
		1	0





	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Grahovac M. Nenad	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		29.12.2004	
Scientific or art field:		Mechanics	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Continuum Mechanics
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	A207	Mechanics	( A00) Architecture, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies
2.	E104	Mechanics	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	GG07	Mechanics 1	( G00) Civil Engineering, Undergraduate Academic Studies
4.	H112	Mechanics 1 – Fundamentals	( H00) Mechatronics, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	H201	Mechanics 2 - General	( H00) Mechatronics, Undergraduate Academic Studies
6.	H303	Mechatronics 3 – Further Chapters	( H00) Mechatronics, Undergraduate Academic Studies
7.	M204	Strength of Materials	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
8.	M4401	Continuum mechanics	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	BMI127	Biomechanics	( BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	II1004	Mechanics and Industrial Engineering	( I10) Industrial Engineering, Undergraduate Academic Studies
11.	M44041	Dynamics of non-smooth mechanical systems	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
12.	M44061	Optimization of mechanical systems	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	BMIM4A	Transport phenomena and Living systems	( BM0) Biomedical Engineering, Master Academic Studies
14.	M45991	Biomechanics of cardiovascular system	( M40) Technical Mechanics and Technical Design, Master Academic Studies
15.	SZD051	Applications of optimal control theory in living environment protection	( Z00) Environmental Engineering, Specialised Academic Studies
16.	DM801	Biomedical mechanics	( M40) Technical Mechanics, Doctoral Academic Studies
17.	DTM02	Theory of impact	( H00) Mechatronics, Doctoral Academic Studies ( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies ( S00) Traffic Engineering, Doctoral Academic Studies



	UNIVERSITY OF NOVI SAD			
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>			
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
18.	DTM03	Biomechanical models and analysis of impact	( M40) Technical Mechanics, Doctoral Academic Studies	
19.	ZRD16A	Selected chapters in mechanics and elasticity theory	( Z01) Safety at Work, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, INT J BIFURCAT CHAOS, 2012, Vol. 22, No 4, pp. 1-10, ISSN 0218-1274			
2.	Grahovac N., Žigić M.: Modelling of the hamstring muscle group by use of fractional derivatives, Computers and Mathematics with Applications, 2010, Vol. 59, No 5, pp. 1695-1700, ISSN 0898-1221.			
3.	Glavardanov V., Maretić R., Grahovac N.: Buckling of a twisted and compressed rod supported by Cardan joints , European Journal of Mechanics - A: Solids, 2009, Vol. 28, pp. 131-140, ISSN 0997-7538			
4.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180			
5.	Grahovac N., Žigić M.: Fractional derivative viscoelastic model of the hamstring muscle group, 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey: 05-07 november, 2008			
6.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)			
7.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010			
8.	Grahovac N.: Generalized Zener model in the analysis of free vibration of a viscoelastic oscillator, 2. International Congress of Serbian Society of Mechanics, Palić: Serbian Society of Mechanics, 1-5 Jun, 2009, pp. 145-153, ISBN 978-86-7892-173-5, UDK: 531/534(082)			
9.	Žigić M., Grahovac N., Spasić D.: A simplified earthquake dynamics of a column like structure with fractional type of dissipation , 1. International Congress of Serbian Society of Mechanics, Kopaonik: Serbian Society of Mechanics, 10-13 April, 2007, pp. 165-172, ISBN 978-86-909973-0-5, UDK: 531/534(082)			
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov's Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		5		
Total of SCI(SSCI) list papers :		3		
Current projects :		Domestic :	1	International : 0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
--	--	--

Science, arts and professional qualifications



Name and last name:		Grković R. Vojin	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.06.1994	
Scientific or art field:		Thermal Energetics and Thermotechnics	
Academic career	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
PhD thesis	1984	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering
Magister thesis	1974	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering
Bachelor's thesis	1970	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EOS38	Energetski menadžment	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	M3302	Thermoenergy Plants	( M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	M3405	Thermal Turbines 1	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3501	Refrigeration Devices	( M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	Z206	Alternative Power Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z206A	Alternative Energy Sources	( Z01) Safety at Work, Undergraduate Academic Studies
7.	ZOI312	Thermal Power Plants	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	ZOI31A	Thermal power plants	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
9.	M211	Measurement and Regulation	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
10.	M3495	Therma Energy Ekuipment	( M30) Energy and Process Engineering, Undergraduate Academic Studies
11.	I938	Energy and Society	( M50) Energy Management, Master Academic Studies
12.	M3505	Processes and Constructions of Multistage Turbine	( M30) Energy and Process Engineering, Master Academic Studies
13.	I939	Merenje, nadzor i upravljanje	( M50) Energy Management, Master Academic Studies
14.	M3503	Dinamika i modeliranje termoeenergetskih postrojenja(uneti naziv na engleskom)	( M30) Energy and Process Engineering, Master Academic Studies
15.	M3515	Energy Systems	( M30) Energy and Process Engineering, Master Academic Studies ( M50) Energy Management, Master Academic Studies
16.	M5022	Renewable energy sources	( M50) Energy Management, Master Academic Studies
17.	M5025	Energy audits	( M50) Energy Management, Master Academic Studies
18.	DM216	Energy Systems	( M00) Mechanical Engineering, Doctoral Academic Studies
19.	DM217	Energy Management in Idustry	( M00) Mechanical Engineering, Doctoral Academic Studies
20.	DM219	Energy Politics	( M00) Mechanical Engineering, Doctoral Academic Studies
21.	DM302	Engineering Experimental Methods	( H00) Mechatronics, Doctoral Academic Studies ( M00) Mechanical Engineering, Doctoral Academic Studies
22.	DM310	Mathematical Process Modelling	( M00) Mechanical Engineering, Doctoral Academic Studies
23.	DM318	Contemporary Methods for Turbomachine Design	( M00) Mechanical Engineering, Doctoral Academic Studies
24.	DM319	Optimization of Power Machine and Thermal Equipment	( M00) Mechanical Engineering, Doctoral Academic Studies
25.	DM333	Renewable Energy Resoruces	( M00) Mechanical Engineering, Doctoral Academic Studies
26.	DM334	Optimization of Energy Systems Operation	( M00) Mechanical Engineering, Doctoral Academic Studies

	UNIVERSITY OF NOVI SAD				
FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
Study Programme Accreditation					
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering		
Representative references (minimum 5, not more than 10)					
1.	Grković V.: " Tehnološke osnove regulisanja parnih turbina za spregnutu proizvodnju električne i toplotne energije", Futura-publikacije, Novi Sad, 1995, ISBN 86-7188-001-X.				
2.	Grković V.: A New Approach in CHP Steam Turbines Thermodynamic Cycles Computations, Thermal Science, 2012, Vol. 16, No 2, ISSN 0354-9836.				
3.	Grković V.: "Toplotne turbomašine", FTN Izdavaštvo, Novi Sad, 2004.				
4.	Grković V., Čuk N. i Živković M.: "Energetski efekti rekonstrukcije gasnih turbina TG 3000 radi prevođenja sa tečnog na gasovito gorivo", TERMOTEHNIKA, XXII (1996), Br. 2-3, s. 233-239.				
5.	Grković V.: "Energy-Efficiency Improvements by Joint Oeration of Two DH Systems Using Old Condensing Turbines", ENERGY, the International Journal, Vol.22, (1997), No. 11, pp. 1099-1102.				
6.	Grković V.: "Selection of the Optimal Extraction Pressure for Steam from a Condensation-Extraction Turbine", ENERGY, the International Journal, Vol.15, (1990) No. 5, pp. 459-465.				
7.	Grković V.: "Optimisations for District Heating of Belgrade from the Kolubara Energy and Industrial Complex", ENERGY, the International Journal, Vol. 14, (1989) No.11, pp. 747-756.				
8.	Grković V.: "Optimizacija parametров otbora u kondensacionih turbin s promežutočnim otborom para", TEPLOENERGETIKA, 1989, No. 6, s. 72-75.				
9.	Grković V.: "Simulation stationaerer Betriebszustaende von Kondensationsturbinen mit Fernwaermeauskoppelung, BWK, 39, (1987), No. 7/8, S. 349.				
10.	Grković V.: "Mathematisches Modell zur Optimierung des Auslegungsentnahmedrueckes an der einer Kondensationsturbine mit Fernwaermeauskopplung", FERNWAERME INTERNATIOAL FWI, Vol. 20, (1991), Nr. 11, S. 616-626.				
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



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Gvozdenac D. Dušan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.06.1973	
Scientific or art field:		Thermal Energetics and Thermotechnics	
Academic carieer	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
PhD thesis	1981	Faculty of Mechanical Engineering - Beograd	Thermal Energetics and Thermotechnics
Magister thesis	1978	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
Bachelor's thesis	1973	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EOS38	Energetski menadžment	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	M119	Energy Transformations	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
3.	M222A	Energy System Engineering	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3311	Renewable Energy Sources	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	M3501	Refrigeration Devices	( M30) Energy and Process Engineering, Undergraduate Academic Studies
6.	Z206	Alternative Power Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z206A	Alternative Energy Sources	( Z01) Safety at Work, Undergraduate Academic Studies
8.	Z206	Alternativna energetika(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	E2313	Fundamentals of Process and Energy Engineering	( E20) Computing and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	II1044	Energy flows and energy efficiency	( I10) Industrial Engineering, Undergraduate Academic Studies
11.	M211	Measurement and Regulation	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	M3031	Engineering Calculations of Energy Technologies Apparatus and Equipment	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
13.	M3494	Energy efficiency	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
14.	I939	Merenje, nadzor i upravljanje	( M50) Energy Management, Master Academic Studies
15.	IMDS78	Odabrana poglavlja iz energetskog menadžmenta(uneti naziv na engleskom)	( I22) Engineering Management, Specialised Academic Studies
16.	M3503	Dinamika i modeliranje termoenergetskih postrojenja(uneti naziv na engleskom)	( M30) Energy and Process Engineering, Master Academic Studies
17.	M3M07	Energy storage	( ZC0) Clean Energy Technologies, Master Academic Studies
18.	M5022	Renewable energy sources	( M50) Energy Management, Master Academic Studies
19.	SZSP24	Savremeni principi energetskog menadžmenta	( Z00) Environmental Engineering, Specialised Academic Studies
20.	DM216	Energy Systems	( M00) Mechanical Engineering, Doctoral Academic Studies
21.	DM217	Energy Management in Industry	( M00) Mechanical Engineering, Doctoral Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>			
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
22.	DM218	Contemporary Energy Technologies	( M00) Mechanical Engineering, Doctoral Academic Studies	
23.	DM219	Energy Politics	( M00) Mechanical Engineering, Doctoral Academic Studies	
24.	DM302	Engineering Experimental Methods	( H00) Mechatronics, Doctoral Academic Studies ( M00) Mechanical Engineering, Doctoral Academic Studies	
25.	DM309	Energy Management Methods	( M00) Mechanical Engineering, Doctoral Academic Studies	
26.	DM332	Energy Management in Buildings	( M00) Mechanical Engineering, Doctoral Academic Studies	
27.	DM333	Renewable Energy Resoruces	( M00) Mechanical Engineering, Doctoral Academic Studies	
28.	ZSP24	Modern Principles of Energy Management	( Z00) Environmental Engineering, Doctoral Academic Studies	
29.	IMDR78	Odabrana poglavlja iz energetskog menadžmenta(uneti naziv na engleskom)	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	Energy Efficiency in Food Processing Industry – East European Experience, edited by D. Gvozdenac, UNDP/UNIDO Project DP/RER/83/003, Novi Sad, pp. 123, 1991.			
2.	Conterporary problems in Power Engineering (monograph), Novi Sad/Thesaloniki, Gvozdenac D, Xypteras J, Dimić M. 1996.			
3.	Measurement and regulation (Selected chapters for operators of large power plants), Institute of energy and process engineering, Novi Sad, Gvozdenac, D, Pešenjanski, I, 1980. (in Serbian).			
4.	Measurement and Regulation in Thermal Engineering, Faculty of Technical Sciences, Gvozdenac, D, Novi Sad, 2000. (in Serbian).			
5.	Bilansiranje energetskih tokova, Pokrajinski centar za energetku efikasnost, Gvozdenac, D., Marić, M., Petrović, J., Novi Sad, 2006.			
6.	Gvozdenac D, Menke C, Vallikul P, Petrovic J, Gvozdenac B: Assessment of potential for natural gas-based cogeneration in Thailand, Energy, Volume 34, Issue 4, 2009, pp 465-475			
7.	A Mathematical Model for Heat Transfer in Combustion Chambers of Steam Generators, Gulič, M, Gvozdenac, D, Transactions of the ASME Journal of Engineering for Power, Vol. 103, 1981, pp. 545 – 551.			
8.	Somcharoenwattana W, Menke C, Kamolpus D, Gvozdenac D: Study of Operational Parameters Improvement of Natural-Gas Cogeneration Plant in Public Buildings in Thailand, Energy and Buildings, Vol. 43, Issue 4, April, 2011. p. 925-934			
9.	Two-pass counter cross-flow heat exchangers with both fluids unmixed throughout, Gvozdenac, D, Waerme - und Stoffuebertragung, Vol. 20, 1986, pp. 151 – 161.			
10.	Analytical Solution of the Transient Response of Gas-to-Gas Cross-flow Heat Exchanger With Both Fluids Unmixed, Gvozdenac, D.D, ASME Journal of Heat Transfer, Vol. 108, 1986, pp. 722-727.			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		71		
Total of SCI(SSCI) list papers :		26		
Current projects :		Domestic :	2	International : 1







	<b>UNIVERSITY OF NOVI SAD</b> FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 <b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>	
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Science, arts and professional qualifications

Name and last name:		Gvozdenac Urošević D. Branka	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 15.10.2004	
Scientific or art field:		Environment Protection Engineering	
Academic carieer	Year	Institution	Field
Academic title election:	2011		Environment Protection Engineering
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
Bachelor's thesis	2003	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	I079	Modern Energy Technologies	( M50) Energy Management, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	M119	Energy Transformations	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
3.	M222A	Energy System Engineering	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3311	Renewable Energy Sources	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	Z453	Energy System Engineering	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	OAS214	Integralni katastar zagađivača(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z205	Održivo korišćenje prirodnih resursa i sistem zaštite životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z206	Alternativna energetika(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	ZC009	Energy, society and environment	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
10.	ZC046	Energy strategy	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
11.	I079	Modern Energy Technologies	( M50) Energy Management, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	I938	Energy and Society	( M50) Energy Management, Master Academic Studies
13.	Z508	Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
14.	GS003	Renewable Energy in Civil Engineering	( G10) Energy Efficiency in Buildings, Specialised Academic Studies
15.	I078	Energetska politika	( M50) Energy Management, Master Academic Studies
16.	M5022	Renewable energy sources	( M50) Energy Management, Master Academic Studies
17.	SGD023	Energetska efikasnost građevinskih objekata	( Z00) Environmental Engineering, Specialised Academic Studies
18.	ZSP24	Modern Principles of Energy Management	( Z00) Environmental Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Assessment of potential for natural gas-based cogeneration in Thailand;Gvozdenac D., Menke C., Vallikul P., Petrovic J., Gvozdenac B., ENERGY 2009		
2.	Dragan M. UROŠEVIĆ, Branka D. GVOZDENAC-UROŠEVIĆ: COMPREHENSIVE ANALYSIS OF A STRAW-FIRED POWER PLANT IN VOJVODINA, Thermal Science Year 2012, Vol. 16, Suppl. 1,S 97-106		
3.	Gvozdenac-Urošević B: Energy Efficiency and GDP, Thermal Science, ISSN: 0354-9836, Vol. 14, No. 3, Str. 799-808, 2010		







	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
4.	Jovan R. PETROVIĆ, Branka D. GVOZDENAC-UROŠEVIĆ, Josip J. POLC: REASONS FOR HEAT DEMAND CHANGES AND EFFECTS ON PLANNING AND DEVELOPMENT OF HEATING SYSTEMS, Thermal Science Year 2012, Vol. 16, Suppl. 1, S 63-77		
5.	Gvozdenac D, Petrović J, Gvozdenac-Urošević B: Industrial Gas Turbine Operation Procedure Improvement, Thermal Science, ISSN: 0354-9836, 2010		
6.	Petrović, J., Gvozdenac, B., Računarski model tehničke i ekonomske ocene opravdanosti izgradnje distribuiranih kogeneracionih postrojenja – na primeru fabrike na Tajlandu, KGH- Klimatizacija, grejanje i hlađenje, 2007, No. 1/07, str. 49- 54,		
7.	Gvozdenac D, Gvozdenac-Urošević B, Morvaj Z, ENERGETSKA EFIKASNOST, FTN izdavaštvo, Novi Sad, 2012		
8.	Gvozdenac D, Nakomčić-Smaragdakis B, Gvozdenac-Urošević B, RENEWABLE ENERGY, Faculty of Technical Sciences Publishing, Novi Sad, 2012		
9.	Model planiranja razvoja distribuirane kogeneracije i njene integracije u regionalni energetski sistem		
10.	Bašić, Đ., Petrović, J., Marić, M., Dragutinović, G., Gvozdenac, B., Štrbac, D., Mogućnosti korišćenja energetskog potencijala geotermalnih voda u Vojvodini, PROMETEJ, Novi Sad, 2009		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		3	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> <span>2</span> <span>International : 1</span> </div>

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>		
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Science, arts and professional qualifications



Name and last name:		Jocanović T. Mitar	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.03.1999	
Scientific or art field:		Quality, Effectiveness and Logistics	
Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H1403	Automation of work processes	( H00) Mechatronics, Undergraduate Academic Studies
2.	H310	Components of technological systems	( H00) Mechatronics, Undergraduate Academic Studies
3.	I401	Tribology	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	URZP17	Devices and systems in fire protection	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP40	Stationary Systems for Fire Extinguishing	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	URZP45	Mobile Equipment and Fire Extinguishing Equipment	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	II1011	Automation of work processes 1	( I10) Industrial Engineering, Undergraduate Academic Studies
8.	II1038	Automation of work processes 2	( I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1050	TRIBOLOGY AND LUBRICATION	( I10) Industrial Engineering, Undergraduate Academic Studies
10.	IM1008	Processes and Work Equipment	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies
11.	IMDS58	Selected Chapters in Hydraulic Systems	( I12) Industrial Engineering, Specialised Academic Studies
12.	IMDS95	Trends in Customer Relationship Management	( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies
13.	ZP507	Design and Maintenance of Stationary Fire Extinguishing Systems	( ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
14.	ZP512	Protection and Rescue Plans	( ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
15.	IIDS12	Quality and organizational performance	( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies
16.	IIDS30	Trends in the environmental management systems	( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies
17.	IIDS7	Selected topics in quality engineering and logistics	( I12) Industrial Engineering, Specialised Academic Studies
18.	IMDS74	Selected Topics in Quality Management and Logistics	( I22) Engineering Management, Specialised Academic Studies
19.	IMDR58	Selected Chapters in Hydraulic Systems	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
20.	IMDR94	Trends in the environmental management systems	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
21.	IMDR95	Trends in Customer Relationship Management	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
22.	IMDR74	Selected Topics in Quality Management and Logistics	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
23.	IMDR79	Selected topics in quality engineering and logistics	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR83	Quality abd organisational performance	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	V. Savić, D. Knežević, D. Lovrec, M. Jocanović, Velibor Karanović: Determination of Pressure Losses in Hydraulic Pipeline Systems by Considering Temperature and Pressuer, Strojnik Vestnik-Journal of Mechanical Engineering, 2009, Vol. 55, No. 4, str.237-243, UDK: 621.643, ISSN 0039-2480		
2.	M. Jocanović, D. Šević, V. Karanović, I. Beker, S. Dudić: Increased efficiency of hydraulic systems through reliability theory and monitoring of system operating parameters, Strojnik Vestnik-Journal of Mechanical Engineering, 2012, Vol. 58, No. 4, str.281-288, UDK: 621.643, ISSN 0039-2480		
3.	Z.Milovanović, D. Knežević, A. Ivanišević, M. Jocanović, S. Mitrović: ECONOMICAL EVALUATION OF THE PROJECT ON REPLACEMENT OF HEATING PLANT WITH CO-GENERATION HEAT AND POWER PLANT BY THE END OF 2030 , Metalurgia International, 2013, No4,		
4.	M. Jocanović, V. Savić, V. Karanović,: MODEL FOR TRANSLATION OF CLASSES OF PURITY OF OILS BETWEEN ISO 4406/99, NAS 1638-01 AND SAE AS 4059: D STANDARDS, 14. Međunarodna naučna konferencija INDUSTRIJSKI SISTEMI - IS"08, Novi Sad: Fakultet tehničkih nauka - Novi Sad, 2-3 Oktobar, 2008, str. 391- 396, UDK: 685.5 (082), ISBN 978-86-7892-135-3.		
5.	M. Jocanović; PRILAZ ISTRAŽIVANJU I DEFINISANJU MODELA ZA PRORAČUN PROTICANJA ČVRSTIH ČESTICA SA ULJNOM MASOM KROZ ZAZORE U FUNKCIJI KONSTRUKCIONO RADNIH PARAMETARA HIDRAULIČNIH KOMPONENATA, Doktorska disertacija		
6.	M.Jocanović; RAZVOJ INTEGRALNOG MODELA ZA IZBOR I DIJAGNOSTIKU MINERALNIH HIDRAULIČKIH ULJA; Magistrski rad iz oblasti problematike vezane za izbor i dijagnostikovanje mineralnih hidrauličkih ulja u hidrauličkim sistemima		
7.	M.Jocanović, D.Babić, V.Karanović, R.Geaverts: Industrial Aplication of Automatic Lubrication Systems, Fluid Power 2011, str. 409-418, Mašinski fakultet univerziteta u Mariboru, Slovenija: 2011, UDK 621.51/54 (082), ISBN 978-961-248-290-9		
8.	V. Savić, V. Karanović, M. Jocanović, D. Knežević: Pressure drop in hydraulic pipeline system - Identification of real basis for calculation of mineral hydraulic oil flow, Fluid Power 2009, str. 133-148, Mašinski fakultet univerziteta u Mariboru, Slovenija: 2009, UDK 621.51/54 (063)(082), ISBN 978-961-248-176-6		
9.	V. Savić, M. Jocanović, D.Knežević, M.Kraišnik; KINEMATICS OF DISTRIBUTION OF PRESSURE WITHIN PIPELINE OF TWO'LINE SYSTEMS FOR LUBRICATION, VII TH INTERNATIONAL SYMPOSIUM INTERTRIBO 2002, str. 141 – 143, Stara Lesna, Slovak Republic (2002),		
10.	V.Savić, M. Jocanović, V. Karanović: BASIC CONSTRUCTION MODEL OF THE SYSTEM FOR PROTECTION OF FRUIT TREES FROM FROST BY ICE PROTECTIVE CRUST, 14. Međunarodna naučna konferencija INDUSTRIJSKI SISTEMI - IS"08, Novi Sad: Fakultet tehničkih nauka - Novi Sad, 2-3 Oktobar, 2008, str. 129- 134, UDK: 685.5 (082), ISBN 978-86-7892-135-3.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		2	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	2 International : 0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Jovanović S. Aleksandar	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Thermal Energetics and Thermotechnics	
Academic career	Year	Institution	Field
Academic title election:	2001	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
PhD thesis	1986	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering
Education Specialist Thesis	1983	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering
Magister thesis	1982	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering
Bachelor's thesis	1977	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	I079	Modern Energy Technologies	( M50) Energy Management, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	M3302	Thermoenergy Plants	( M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	M3405	Thermal Turbines 1	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3409A	Modern Energy Technologies	( M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	M3045	Life cycle optimisation of the energy and process equipment	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	M3495	Therma Energy Ekuipment	( M30) Energy and Process Engineering, Undergraduate Academic Studies
7.	I079	Modern Energy Technologies	( M50) Energy Management, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
8.	I916	Energy Management in Industry	( M50) Energy Management, Master Academic Studies
9.	I939	Merenje, nadzor i upravljanje	( M50) Energy Management, Master Academic Studies
10.	M3M04	Risk Management	( ZC0) Clean Energy Technologies, Master Academic Studies
11.	DM218	Contemporary Energy Technologies	( M00) Mechanical Engineering, Doctoral Academic Studies
12.	DM308	Optimization of Operation Life of Energy and Process Equipment	( M00) Mechanical Engineering, Doctoral Academic Studies
13.	DM315	Expert Systems	( M00) Mechanical Engineering, Doctoral Academic Studies
14.	DM316	Risk Technologies	( M00) Mechanical Engineering, Doctoral Academic Studies
15.	DM332	Energy Management in Buildings	( M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 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.	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.	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.	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.	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.	Jovanović, A. Pilić, V.: Dealing with risk-risk interdependencies and tradeoffs in relation to development and use of new technologies, Journal of Risk Research, 2012, DOI:10.1080/13669877.2012.729528., ISSN: 1366-9877.		
7.	Jovanovic, A.: Overview of RIMAP project and its deliverables in the area of power plants, International Journal of Pressure Vessels and Piping, 2004, Vol. 81, No. 10-11, pp. 815-824, ISSN: 0308-0161.		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
8.	Bareiß, J., Buck, P., Matschecko, B, Jovanovic, A., Balos, D., Perunicic, M.: RIMAP demonstration project. Risk-based life management of piping system in power plant Heilbronn, International Journal of Pressure Vessels and Piping, 2004, Vol. 81, No.10-11, pp. 807-813, ISSN: 0308-0161.		
9.	Jovanovic, A., Maile, K., Wagemann, G., Le Mat-Hamata, N., Gampe, U., Andersson, P., Segle, S., Gelineau, O.: Assessment of cracks in power plant components by means of the HIDA knowledge-based system (KBS), International Journal of Pressure Vessels and Piping, 2001, Vol. 78, No. 11-12, pp. 1053-1069, ISSN: 0308-0161.		
10.	Jovanovic, A.: Risk-based inspection and maintenance in power and process plants in Europe, Nuclear Engineering and Design, 2003, Vol. 226, No. 2, pp. 165-182, ISSN: 0029-5493.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		59	
Total of SCI(SSCI) list papers :		18	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> <span>2</span> <span>International : 5</span> </div>



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 <b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering	
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Science, arts and professional qualifications

Name and last name:		Jović Đ. Miomira	
Academic title:		Foreign Language Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Sciences - Novi Sad	
		01.09.2001	
Scientific or art field:		German	
Academic carier	Year	Institution	Field
Academic title election:	2005		German
Bachelor's thesis	1973		German
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F331	German Language – LSP Course 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	NJ01Z	German Language – Elementary	( A00) Architecture, Undergraduate Academic Studies ( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies ( F00) Graphic Engineering and Design, 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
3.	NJ02L	German Language – Pre-Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( G00) Civil Engineering, Undergraduate Academic Studies ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, 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
4.	NJ05	German Language for GRID 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	NJ06	German Language for GRID 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
6.	NJ1L	German Language - Elementary	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SSIP22	German Language for Engineers 1	( E01) Power Engineering - Renewable 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 naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	F508	German Language for GRID 3	( F00) Graphic Engineering and Design, Master Academic Studies
11.	nja	German Language in Architecture	(AH0) Architecture, Master Academic Studies
Representative references (minimum 5, not more than 10)			
Summary data for teacher's scientific or art and professional activity:			
Quotation total :			
Total of SCI(SSCI) list papers :			
Current projects :		Domestic :	International :





	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Juhas T. Anamarija	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.11.1990	
Scientific or art field:		Theoretical Electrotechnics	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Theoretical Electrotechnics
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	1994	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1990	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EE300	Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EOS01	Fundamental electrical engineering	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
3.	I087	Electrical Engineering in Industrial Engineering	( G10) Geodesy and Geomatics, Undergraduate Academic Studies
4.	M112	Electrical Engineering and Electric Machines	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	Z107	Electrical Engineering, Environment and Protection	( Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
6.	II1007	Fundamental electrical engineering	( I10) Industrial Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	URZP12	Introduction to electrical engineering	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
8.	DE208S	Selected Chapters on Electromagnetic Compatibility	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
9.	DE408S	Selected chapters inl electromagnetics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	EE543	Electro Magnetic Energy	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	H799	Fieldbuses and protocols	( H00) Mechatronics, Master Academic Studies
12.	DE208	Selected Chapters on Electromagnetic Compatibility	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
13.	DE408	Selected Chapters in Electromagnetics	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	A. Juhas, L. A. Novak, "Comments on "Class-E, Class-C, and Class-F power amplifier based upon a finite number of harmonics", IEEE Transactions of Microwave Theory and Techniques, vol. 57, no. 6, pp. 1623-1625, June 2009. ISSN 0018-9480.		
2.	A. Juhas, L. A. Novak, S. Kostić, "Signals with Flattened Extrema in Balance Power Analysis of HFHPTA: Theory and Applications", IEEE Transactions on Broadcasting, vol. 47, no. 1, pp.38-45, 2001. ISSN 0018-9316		
3.	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		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>				
Representative references (minimum 5, not more than 10)					
4.	D. Herceg, A. Juhas, M. Milutinov, "A design of a four square coil system for a biomagnetic experiment," Facta universitatis - series: Electronics and Energetics, 2009, Vol. 22, No 3, pp. 285-292. ISSN 0353-3670				
5.	L. A. Novak, A. Juhas, "O broju maksimuma u dvočlanim složenoperiodičnim funkcijama: krive katastrofa", Elektrotehnika, br. 1-2, pp. E7-E10, 1994.				
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-Nadž, "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-Nadž, "Uređaj za generisanje homogenog magnetskog polja kontrolisanog intenziteta za potrebe biomagnetskih ekspreimenata", Tehničko rešenje, decembar 2010.				
10.	A. Juhas, N. Pekarić-Nadž, D. Herceg, " Estimation of Human Exposure to Combined RF EM Field of Multiple Antennas," Proceedings of International PhD Seminar on computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 Sep., 2010, pp. 27-31, ISBN 978-954-438-856-0				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		5			
Total of SCI(SSCI) list papers :		3			
Current projects :		Domestic :	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">1</td> <td style="width: 50%; text-align: center;">International : 0</td> </tr> </table>	1	International : 0
1	International : 0				

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Katić M. Marina	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2001	
Scientific or art field:		English	
Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	English
Master's thesis	2009	Faculty of Philology - Beograd	English
Magister thesis	2006	Faculty of Philology - Beograd	Engineering Management
Bachelor's thesis	1987	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	( A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	( A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	( A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	( A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	( G00) Civil Engineering, Undergraduate Academic Studies ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	( 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 ( 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

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
7.	EJ02L	English Language – Pre-Intermediate	( 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 ( 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		
8.	EJ02Z	English Language – Pre-Intermediate	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
9.	EJ03Z	English Language - Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	EJ04L	English Language – Upper Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	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 ( 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		



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
12.	EJ2L	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
13.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	( H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	( G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( 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		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
27.	F320	English Language – ESP Course 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	F321	English Language – ESP Course 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	ISIT01	English Language 1	( SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
30.	ASI381	English language 1	( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
31.	ASI431	English Language 2	( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	( BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	( BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	( I10) Industrial Engineering, Undergraduate Academic Studies ( 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 - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
37.	EJ1Z	English Language - Elementary	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
38.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
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
Representative references (minimum 5, not more than 10)			



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (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, Oct.-Nov.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 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 menadžmenta", XII međunarodna konferencija Industrijski sistemi – IS 2002, Vrnjačka Banja, Nov. 2002, pp.146-151		
9.	M.Katić, "Anglicizmi u jeziku tehnike", XLVII Konferencija ETRAN, Herceg Novi, Jun 2003, CD-ROM i knjiga, Sveska 3, pp. 241-244.		
10.	M.Katić, K.Pušara, „Zašto je potrebna standardizacija termina elektronske trgovine“, XLIX Konferencija za ETRAN, Budva, 05.-10. 06. 2005., Zbornik radova, CD-ROM i knjiga, Sveska 3, pp.238-241.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> <span>0</span> <span>International : 0</span> </div>



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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### Science, arts and professional qualifications



Name and last name:	Kiurski S. Jelena		
Academic title:	Full Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 01.12.2001		
Scientific or art field:	Graphic Engineering and Design		
Academic career	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
PhD thesis	1997	Faculty of Technology - Novi Sad	Physical Chemistry Science
Magister thesis	1981	Faculty of Technology - Novi Sad	Physical Chemistry Science
Bachelor's thesis	1974	Faculty of Technology - Novi Sad	Chemist Science



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

	ID	Course name	Study programme name, study type
1.	F103	Chemistry in Graphic Engineering	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F302	Chemigraphy	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	Z102	Technical Chemistry	(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z109	Chemical Principles in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z151	Chemistry in Mechanical Engineering	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	Z153	Chemistry in Engineering	( Z01) Safety at Work, Undergraduate Academic Studies
7.	Z155	Chemical Principles in Engineering	( Z01) Safety at Work, Undergraduate Academic Studies
8.	Z600	Chemical Phenomena in Engineering	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
9.	F409	Graphic Environment	( F00) Graphic Engineering and Design, Master Academic Studies
10.	FDS12	Selected Chapters in Chemistry	( F00) Graphic Engineering and Design, Doctoral Academic Studies

#### Representative references (minimum 5, not more than 10)



1.	J.Janjić, J.Kiurski, "Nonflame Atomic Fluorescence as a Method for Mercury Traces Determination", Water Research, 28(1), 233-235 (1994)
2.	J.Janjić, Lj.Čonkić, J.Kiurski, J.Benak, "A Method for Arsenic Level Determination an a Device for Arsenic Elimination from Drinking Water", Water Research, 31(3), 419-428 (1997)
3.	J.Kiurski, D.Ž.Obadović, R.Marinković-Nedućin, E.Kiš, "Spinel-Type Structure of Co in Conditions of HDS Catalysts Aging", Polyhedron, 18(5), 741-747 (1999)
4.	J.S. Kiurski, J.G. Ranogajec, A.L.Ujhelji, M.M.Radeka, M.T.Bokorov, "Evaluation of the effect of lichens on ceramic roofing tiles by scanning electron microscopy and energy-dispersive spectroscopy analyses", Scanning, 27, 113-119 (2005)
5.	M.Radeka, J.Ranogajec, J.Kiurski, S.Markov, R.Marinkovic-Neducin," Influence of lichen biocorrosion on the quality of ceramic roofing tiles", Journal of the European Ceramic Society 27 (2007) 1763-1766
6.	E. Kiš, R.Marinković-Nedućin, G.Lomić, G.Bošković, D.Ž.Obadović, J.Kiurski, P.Putanov, Structural and Textural Properties of the NiO-Al <sub>2</sub> O <sub>3</sub> Catalyst", Polyhedron, 17(1), 27-34 (1998)
7.	D.Ž.Obadović, J.Kiurski, R.Marinković-Nedućin, Electronic States of Ni(II) in Spinel-Type Structure", Polyhedron, 15(20), 3631-3634 (1996)
8.	J.S.Kiurski, D.Ž.Obadović, R.M.Marinković-Nedućin,"Energies of electronic states of promoter ions in hydrodesulfurization catalysts",React.Kinet.Catal.Lett., Vol.82, No.1, 41-47 (2004)
9.	JS Kiurski, DŽ Obadović, EE Kiš, RP Marinković-Nedućin, "Electronic states of Mn(II) in the kaolinite nanostructure", React.Kinet.Catal.Lett., Vol.84,No.2, 359-366 (2005)



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h3 style="text-align: center;">Study Programme Accreditation</h3> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (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/Al <sub>2</sub> O <sub>3</sub> 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 :		30	
Current projects :		Domestic :	1
		International :	1

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Kostić Z. Marko	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.10.1999	
Scientific or art field:		Mathematics	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2004	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2001	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1999	Faculty of Sciences - Novi Sad	Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E135B	Mathematical Analysis 2	( G10) Geodesy and Geomatics, Undergraduate Academic Studies
3.	E212	Mathematical Analysis 1	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	EOS07	Mathematics 2	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
5.	F101	Mathematics	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	G1107	Mathematical Analysis 1	( G10) Geodesy and Geomatics, Undergraduate Academic Studies
7.	M106	Mathematics 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
8.	M4202	Applied Mathematical Analysis	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	ISIT06	Matematika 2	( SI1) Software and Information Technologies (Indija), Undergraduate Professional Studies
10.	OM501	Functional Analysis	( OM1) Mathematics in Engineering, Master Academic Studies
11.	OML501	Functional Analysis	( OM1) Mathematics in Engineering, Master Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies ( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies ( Z00) Environmental Engineering, Specialised Academic Studies
13.	Z506	20BAdvanced Course in Mathematics 1	( ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	DOM01	Functional Analysis 1	( OM1) Mathematics in Engineering, Doctoral Academic Studies



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
16.	D0M19	Functional Analysis 2	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
17.	DZ01M	Selected Chapters in Mathematics	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies ( E20) Computing and Control Engineering, Doctoral Academic Studies ( F00) Graphic Engineering and Design, Doctoral Academic Studies ( F20) Engineering Animation, Doctoral Academic Studies ( G00) Civil Engineering, Doctoral Academic Studies ( G10) Geodesy and Geomatics, Doctoral Academic Studies ( H00) Mechatronics, Doctoral Academic Studies ( 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		
Representative references (minimum 5, not more than 10)					
1.	Kostić, Marko, Distribution cosine functions. Taiwanese J. Math. 10 (2006), no. 3, 739--775.				
2.	Kostić Marko, On analytic integrated semigroups. Novi Sad J. Math. 35 (2005), no. 1, 127--135.				
3.	Kostić Marko, Convolved $\mathcal{C}\mathcal{S}$ -cosine functions and convolved $\mathcal{C}\mathcal{S}$ -semigroups. Bull. Cl. Sci. Math. Nat. Sci. Math. No. 28 (2003), 75--92.				
4.	Kostić Marko, On a class of quasi-distribution semigroups, Novi Sad J. Math 36 (2), 137-152				
5.	M. Kostić, P. J. Miana, Relations between distribution cosine functions and almost-distribution cosine functions, Taiwanese Journal of Mathematics 11 (2007), 531--543.				
6.	M. Kostić, S. Pilipović, Global convoluted semigroups, accepted in Math. Nachr.				
7.	M. Kostić, S. Pilipović: Convolved C-cosine functions and semigroups. Relations with ultradistribution and hyperfunction sines, accepted in J. Math. Anal. Appl.				
8.	M. Kostić: Complex powers of operators, accepted in Publications De l'Institut Mathématique				
9.	M. Kostić: C-Distribution semigroups, Studia Math. 185 (2008), 201--217.				
10.	M. Kostić: Convolved operator families and abstract Cauchy problems, accepted in Kragujevac Journal of Mathematics				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			32		
Total of SCI(SSCI) list papers :			15		
Current projects :			Domestic :	1	International : 0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>		
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Science, arts and professional qualifications

Name and last name:		Kovačić N. Ivana	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		21.05.1998	
Scientific or art field:		Mechanics	
Academic carier	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	2002	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Mechanics
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Mechanics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F107	Technical Mechanics	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	GG14	Mechanics 2	( G00) Civil Engineering, Undergraduate Academic Studies
3.	M103	Mechanics 1	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
4.	M107	Mechanics 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
5.	M201	Mechanics 3	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
6.	M44071	Noise, Vibration and Design	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	DM401	Selected chapters in Analytical Mechanics	( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies
8.	DM408	Nonlinear Oscillations	( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies
9.	DZ003	Selected Chapters in Mechanics	( M00) Mechanical Engineering, Doctoral Academic Studies
10.	FDS143	Selected Chapters in Technical Mechanics	( F00) Graphic Engineering and Design, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Metod polja u neholonomnoj mehanici i teoriji nelinearnih oscilacija, Fakultet tehničkih nauka, Novi Sad, 2002		
2.	Samopobudne oscilacije u procesu rezanja, Fakultet tehničkih nauka, Novi Sad, 1999		
3.	Zbirka rešenih zadataka iz Statike I, Edicija „Tehničke knjige-udžbenici“ 127 , Fakultet tehničkih nauka, Novi Sad, 2006.		
4.	Zbirka rešenih zadataka iz Statike II, Edicija „Tehničke knjige-udžbenici“ 128 , Fakultet tehničkih nauka, Novi Sad, 2006.		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
5.	Cveticanin, L., Kovacic, I., Parametrically excited vibrations of the oscillator with strong cubic negative non-linearity, Journal of Sound and Vibration, 2007, Vol. 304, No 1-2, pp. 201-212.		
6.	Kovacic I., Adiabatic invariants of some time-dependent oscillators, Journal of Physics A: Mathematical and General, 2007, Vol. 40, No 3, pp. 455-470.		
7.	Cveticanin, L., Kovacic, I., On the dynamics of bodies with continual mass variation, Journal of Applied Mechanics-TRANSACTIONS OF THE ASME, 2007, Vol. 74, pp. 810-815.		
8.	Kovacic I., Adiabatic invariants of oscillators with one degree of freedom, Journal of Sound and Vibration, 2007, Vol. 300, No 3-5, pp. 695-708.		
9.	Kovacic I., Conservation laws of two coupled non-linear oscillators, International Journal of Non-Linear Mechanics, 2006, Vol. 41, No. 5, pp 751-760.		
10.	Kovacic, I., Analysis of a weakly non-linear autonomous oscillator by means of the field method, International Journal of Nonlinear Mechanics, 2005, Vol. 40. No 5, pp 775-784.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		181	
Total of SCI(SSCI) list papers :		39	
Current projects :		Domestic :	International :
		2	1



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>		
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Science, arts and professional qualifications

Name and last name:		Kozmidis-Petrović F. Ana	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.09.1975	
Scientific or art field:		Physics	
Academic carier	Year	Institution	Field
Academic title election:	1997	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	1984	Faculty of Sciences - Novi Sad	Physics
Magister thesis	1980	Faculty of Mathematics - Beograd	Physical Science
Bachelor's thesis	1972	Faculty of Sciences - Novi Sad	Physical Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E103	Physics	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	GG06	Civil Engineering Physics	( G00) Civil Engineering, Undergraduate Academic Studies
3.	M101	Technical Physics	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	ZR440	Influence of radiation on health and occupational safety	( Z01) Safety at Work, Undergraduate Academic Studies
5.	ZC008	Technical physics	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	DZ01FS	Selected Chapters in Physics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies ( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies ( Z00) Environmental Engineering, Specialised Academic Studies
7.	SZD017	Solid Materials in the Environment	( Z00) Environmental Engineering, Specialised Academic Studies







		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
8.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies		
9.	FDS141	Selected Chapters in Colour Management	(F00) Graphic Engineering and Design, Doctoral Academic Studies		
10.	ZD017	Solid Materials in the Environment	(Z00) Environmental Engineering, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	D. M. Petrović, A. F. Petrović, V. M. Leovac, S. R. Lukić: Thermal decomposition of Cu(II) complexes with salicylaldehyde S-methylthiosemicarbazone, Journal of Thermal Analysis, 42, 1165-1170, 1994.				
2.	S.R. Lukić, D. M. Petrović, A. F. Petrović, F. Skuban, I.I. Turyanitsa: Tendency towards crystallization of Ge-As-Te system glasses, Journal of Materials Science Lett., 15,.				
3.	A. F. Petrović, S. R. Lukić, D. M. Petrović, E. Z. Ivegeš, V. M. Leovac: Metal complex with pyrazole derived ligands. Part IV. Thermal decomposition of Cobalt(II) complexes with 3(5)-amino-4-acetyl 5(3) methylpyrazole, Journal of Thermal Analysis, 47, 879-886,				
4.	S. R. Lukić, D. M. Petrović, A. F. Petrović: Effect of copper on conductivity of amorphous AsSe <sub>2</sub> , Journal of Non-Crystalline Solids, 241, 74-77, 1998.				
5.	S. R. Lukić, V. M. Leovac, A. F. Petrović, S. J. Skuban, V. I. Češljević, M. M. Garić: Metal Complexes with Pyrazole-derived Ligands. XIII. Synthesis and Thermal Studies of Zn(II) Complexes with 3-amino-4-acetyl-5-methylpyrazole, Synth.React.Inorg. Met.-Org.Chem.,2002				
6.	S. R. Lukić, S. J. Skuban, D. M. Petrović, A. F. Petrović, M. Garić, Characteristics of complex non-crystalline chalcogenides from the Ge-As-S-Se-I system, Journal of Optoelectronics & Advanced Materials, 6(3), 755-768, 2004.				
7.	A. F. Petrović, S.R. Lukić, D.D. Štrbac: Critical rate of cooling glassy melts under conditions of continuous nucleation. The application to some chalcogenide glasses, Journal of Optoelectronics & Advanced Materials, 6(4) 1167-1177, 2004.				
8.	S. R. Lukić, D. M. Petrović, Ž. N. Cvejić, A F. Petrović, F. Skuban: Thermally-induced Structural Changes in Copper-containing Chalcogenide Thin Films, Journal of Optoelectronics & Advanced Materials, 3(2), 337-340, 2001.				
9.	S.R. Lukić, D.M. Petrović, G.R.Štrbac, A.F.Petrović, M Šiljegović : Effect of sulfur atom substitute with selenium on stability of glassy Ge <sub>20</sub> As <sub>14</sub> SxSe <sub>52-x</sub> 14, Journal of Physics and Chemistry of Solids 66, 1683-1686 (2005)				
10.	A.F.Kozmidis-Petrovic, G.R.Strbac, D.D.Strbac, Kinetics of non-isothermal crystallization of chalcogenide, J.Non-Cyst.Solids, 2014–2019, 353(2007)2014				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		153			
Total of SCI(SSCI) list papers :		25			
Current projects :		Domestic :	1	International :	0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Kuzmanović B. Siniša	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.1975	
Scientific or art field:		Machine Elements, Construction Principles, Machine and Mechanism	
Academic career	Year	Institution	Field
Academic title election:	1996	Faculty of Technical Sciences - Novi Sad	Machine Elements, Construction Principles, Machine and Mechanism Theory, Power and Motion Transfer and Eng. Communication
PhD thesis	1980	Faculty of Mechanical Engineering - Beograd	Machine Elements, Construction Principles, Machine and Mechanism Theory, Power and Motion Transfer and Eng. Communication
Magister thesis	1976	Faculty of Mechanical Engineering - Beograd	Machine Elements, Construction Principles, Machine and Mechanism Theory, Power and Motion Transfer and Eng. Communication
Bachelor's thesis	1973	Faculty of Mechanical Engineering - Beograd	Thermal Energetics and Thermotechnics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F408	Industrial Design	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	H205	Mecahnical Elements 1	( H00) Mechatronics, Undergraduate Academic Studies
3.	H208	Mechanical Elements 2	( H00) Mechatronics, Undergraduate Academic Studies
4.	M202	Mechanical Elements	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
5.	M2419	Product Development	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
6.	URZP14	Fundamentals of Mechanical Engineering	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	F51011	Design of industrial products	( F00) Graphic Engineering and Design, Master Academic Studies
8.	M2654	Specific Machine Elements of Agricultural Machinery	( M22) Mechanization and Construction Engineering, Master Academic Studies
9.	M2656	Industrial design of agricultural machines	( M22) Mechanization and Construction Engineering, Master Academic Studies
10.	DM213	Contemporary Methods of Designing and Machine Constructing	( M00) Mechanical Engineering, Doctoral Academic Studies
11.	DM215	Seelcted Chapters in Machine and Mechanisms Theory	( M00) Mechanical Engineering, Doctoral Academic Studies
12.	DOM23	Product Development	( M00) Mechanical Engineering, Doctoral Academic Studies
13.	FDS211	Selected Chapters in Design	( F00) Graphic Engineering and Design, Doctoral Academic Studies
14.	FDS214	Selected Chapters in Industrial Product Modelling	( F00) Graphic Engineering and Design, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Miltenović, V. A., Kuzmanović, B. S., Miltenović, Đ. V., Tica, M. M., Rackov, J. M.: Thermal stability of crossed helical gears with wheels made from sintered steel, Thermal Science, 2012, Vol. 16, Suppl. 2, pp. S607-S619, doi:10.2298/TSCI120503190M.		
2.	Kuzmanović, S.: Konstruisanje, oblikovanje i dizajn - 1. deo, Fakultet tehničkih nauka, Novi Sad, 2006, str.357, ISBN 86-85211-82-4		
3.	Kuzmanović, S.: Konstruisanje, oblikovanje i dizajn - 2. deo, Fakultet tehničkih nauka, Novi Sad, 2005, str.181, ISBN 86-85211-57-3		
4.	Kuymanović, S.: Menadžment proizvodima, Univerzitet u Novom Sadu, Novi Sad, 2007, str.301, ISBN 978-86-499-0149-0		
5.	Kuzmanović, S.: Mašinski elementi - oblikovanje, proračun i primena, Fakultet tehničkih nauka, Novi Sad, 2012, str.394, ISBN 978-86-7892-282-4		


	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
6.	Kuzmanović, S.: Industrijski dizajn, Fakultet tehničkih nauka, Novi Sad, 2012, str.329, ISBN 978-86-7892-404-0		
7.	Kuzmanović, S., Trbojević, R., Rackov, M.: Zbirka zadataka iz mašinskih elemenata, Fakultet tehničkih nauka, Novi Sad, 2009, str.198, ISBN 978-86-7892-154-4		
8.	Kuzmanović, S.: Univerzalni zupčasti reduktori sa cilindričnim zupčanicima, Fakultet tehničkih nauka, Novi Sad, 2009, str.231, ISBN 978-86-7892-202-2		
9.	Kuzmanović, S., Rackov, M.: Bezazorni prenosnici u vojnom mašinstvu, Vojnotehnički institut, Beograd, 2012, str.101, ISBN 978-86-81123-51-5		
10.	Vereš, M., Harman, B., Kuzmanović, S., Rackov, M.: Determination of the Correct Mating Cylindrical Teeth Flanks Profiles When the Path of Contact is Given, Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Bratislava, 2009, str. 145-151, ISBN 978-80-227-3326-7		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		1	
Current projects :		Domestic :	1      International :      2

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Ličen S. Branislava	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		07.04.2005	
Scientific or art field:		English	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	English
Bachelor's thesis	2009	Faculty of Philosophy - Novi Sad	Philology
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	( A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	( A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	( A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	( A00) Architecture, Undergraduate Academic Studies
5.	E2110	Izborni strani jezik 1	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	EJ01L	English Language – Elementary	( G00) Civil Engineering, Undergraduate Academic Studies ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
7.	EJ01Z	English Language - Elementary	( 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 ( 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



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
8.	EJ02L	English Language – Pre-Intermediate	( 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 ( 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		
9.	EJ02Z	English Language – Pre-Intermediate	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
10.	EJ03Z	English Language - Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	EJ04L	English Language – Upper Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
12.	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 ( 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		



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	EJ2L	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
14.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
15.	EJ3L	English Language – Advanced	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
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		
24.	EJM	English Language – ESP Course	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies		
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		



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
27.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies		
28.	F320	English Language – ESP Course 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
29.	F321	English Language – ESP Course 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
30.	ISIT07	English Language 2	( SII) Software and Information Technologies (Indija), Undergraduate Professional Studies		
31.	ASI381	English language 1	( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
32.	ASI431	English Language 2	( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
33.	BMI80	English 1	( BM0) Biomedical Engineering, Undergraduate Academic Studies		
34.	BMI81	English 2	( BM0) Biomedical Engineering, Undergraduate Academic Studies		
35.	EJIIM	English for Specific Purposes	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies		
36.	ETI05	English language - Elementary	( E02) Electronics and Telecommunications, Undergraduate Professional Studies		
37.	ETI10	English Language-Lower	( E02) Electronics and Telecommunications, Undergraduate Professional Studies		
38.	ETI15	Engleski jezik - srednji	( E02) Electronics and Telecommunications, Undergraduate Professional Studies		
39.	ETI20	Engleski jezik - napredni	( E02) Electronics and Telecommunications, Undergraduate Professional Studies		
40.	EJ1Z	English Language - Elementary	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( 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		
41.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
42.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies		
43.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
44.	F507	English Language for GRID 3	( F00) Graphic Engineering and Design, Master Academic Studies		







	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
45.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
Representative references (minimum 5, not more than 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, Ethnicity and Gender in Nadine Gordimer's 'Jump and Other Stories", Selected Papers in Literature and Culture from the 9th HUSSE Conference, Pecs, 2010., str. 285-290.		
4.	"Living in the Interregnum: Nadine Gordimer's 'Conservationist', 'Burger's Daughter' and 'July's People'", B.A.S. Conference on British and American Studies, University of the West Timisoara, br.XXI, maj 2011., str. 28.		
5.	"Preispitivanje istorijskog konteksta u Barnsovom romanu Floberov papagaj", Sveske, br.100, Pančevo, jun 2011., str. 69-77.		
6.	"Kreiranje udžbenika za stručni engleski jezik za studente različitog predznanja", Jezik struke, teorija i praksa, Univerzitet u Beogradu, 2009., str.445-454.		
7.	"Istorijat nastave stručnog engleskog jezika na FTN-u u Novom Sadu", Jezik struke, teorija i praksa, Univerzitet u Beogradu, 2009., str. 170-176.		
8.	Zajednica i pojedinac u delima Toni Morison u romanima Najplavlje oko, Sula, Voljena i Katreno luče, 2009.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0 International : 0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Lončarević M. Ivana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.06.2004	
Scientific or art field:		Physics	
Academic carieer	Year	Institution	Field
Academic title election:	2010		Physics
PhD thesis	2010	Faculty of Physics - Beograd	Physical Science
Magister thesis	2008	Faculty of Physics - Beograd	Physical Science
Bachelor's thesis	2003	Faculty of Sciences - Novi Sad	Physical Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E103	Physics	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	EOS06	Physics	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
3.	GG06	Civil Engineering Physics	( G00) Civil Engineering, Undergraduate Academic Studies
4.	H101	Physics	( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( H00) Mechatronics, Undergraduate Academic Studies
5.	IAFI01	Colors and Light	( F10) Engineering Animation, Undergraduate Academic Studies
6.	M101	Technical Physics	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	ETI06	Physics	( E02) Electronics and Telecommunications, Undergraduate Professional Studies
8.	ZC008	Technical physics	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Budinski-Petković Lj., Lončarević I., Petkovic M., Jaksic Z., Vrhovac S.: Percolation in random sequential adsorption of extended objects on a triangular lattice, Physical Review E, 2012, Vol. 85, No 061117, pp. 1-8		
2.	Budinski-Petković Lj., Lončarević I., Jakšić Z., Vrhovac S., Švrakić N.: Simulation study of anisotropic random sequential adsorption of extended objects on a triangular lattice, Physical Review E, 2011, Vol. 84, No 5, pp. 5160-1		
3.	Šćepanović J., Lončarević I., Budinski-Petković Lj., Jakšić Z., Vrhovac S.: Relaxation properties in a diffusive model of k-mers with constrained movements on a triangular lattice, Physical Review E, 2011, Vol. 84, No 031109, pp. 1-13		
4.	Lončarević I., Budinski-Petković Lj., Vrhovac S., Belić A.: Generalized random sequential adsorption of polydisperse mixtures on a one-dimensional lattice, Journal of Statistical Mechanics: Theory and Experiment, 2010, ISSN 1742-5468		
5.	Lončarević I., Budinski-Petković Lj., Vrhovac Lj., Belić A.: Adsorption, desorption, and diffusion of k-mers on a one-dimensional lattice, Physical Review E, 2009, Vol. 80, No 2		
6.	Budinski-Petković Lj., Vrhovac S., Lončarević I.: Random sequential adsorption of polydisperse mixtures on discrete substrates, Physical Review E, 2008, Vol. 78, No 061603, pp. 1-7		
7.	Lončarević I., Budinski-Petković Lj., Vrhovac S.: Simulation study of random sequential adsorption of mixtures on a triangular lattice, The European Physical Journal E, 2007, Vol. 24, pp. 19-26, ISSN 1292-8941		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>					
Representative references (minimum 5, not more than 10)						
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 Intracellular Transport along Microtubules, Journal of Computational and Theoretical Nanoscience, 2009, Vol. 6, pp. 721-731, ISSN 1546-1955					
Summary data for teacher's scientific or art and professional activity:						
Quotation total :		0				
Total of SCI(SSCI) list papers :		12				
Current projects :		Domestic :	<table border="1" style="width: 100%;"> <tr> <td style="width: 33%;">1</td> <td style="width: 33%;">International :</td> <td style="width: 33%;">0</td> </tr> </table>	1	International :	0
1	International :	0				

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 <b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering	
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Science, arts and professional qualifications



Name and last name:		Lukić J. Tibor	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.07.2012	
Scientific or art field:		Mathematics	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Mathematics
Magister thesis	2004	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E212	Mathematical Analysis 1	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E213	Discrete Mathematics and Linear Algebra	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E221A	Mathematical Analysis 2	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	IAM004	Geometry of Discrete Space	( F10) Engineering Animation, Undergraduate Academic Studies
5.	M106	Mathematics 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
6.	M4201	Mathematics 3	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	M4202	Applied Mathematical Analysis	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	Z104	Mathematics 1	( 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

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
9.	Z106	Mathematics 2	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	E101	Discrete Mathematics	( ES0) Power Software Engineering, Undergraduate Academic Studies		
11.	ISIT02	Mathematics 1	( SII) Software and Information Technologies (Indija), Undergraduate Professional Studies		
12.	Z104	Matematika 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
13.	Z106	Matematika 2(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
14.	OML503	Combinatorics and Graph Theory	( OM1) Mathematics in Engineering, Master Academic Studies		
15.	OML507	Logic in computer science	( OM1) Mathematics in Engineering, Master Academic Studies		
16.	IA022	Numerical Optimization	( F20) Engineering Animation, Master Academic Studies		
Representative references (minimum 5, not more than 10)					
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.	Joakim Lindblad, Nataša Sladoje, and Tibor Lukic, Feature Based Defuzzification 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 Lukic, Nataša Sladoje, and Joakim Lindblad, Deterministic Defuzzification based on Spectral Projected Gradient Optimization, Springer-Verlag, Volume 5096 of Lecture Notes in Computer Science, pp. 476-485, 2008.				
4.	Zorana Luzanin and Tibor Lukic, Convergence of the MRV method at singular points, Volume 35 of Novi Sad Journal of Mathematics, pp. 71-79, 2005.				
5.	Tibor Lukic, Nebojsa M. Ralevic and Aniko Lukity, Application of Aggregation Operators in Solution of Nonlinear Equations, Proceedings of 4th Serbian-Hungarian Joint Symposium on Intelligent Systems, pp. 329-339, Subotica, 2006.				
6.	Tibor Lukic and Nebojsa M. Ralevic, Newton's Method with Accelerated Convergence Modified by an Aggregation Operator, Proceedings of 3rd Serbian-Hungarian Joint Symposium on Intelligent Systems, pp. 121-128, Subotica, 2005.				
7.	Tibor Lukic, Joakim Lindblad, and Nataša Sladoje, Regularized Image Denoising Based on Spectral Gradient Optimization, Inverse Problems, Vol. 27:085010, IOP Publishing, 2011.				
8.	Lukić T.: Energy-minimization based Discrete Tomography Reconstruction Method for Images on Triangular Grid, Lecture Notes in Computer Science, LNCS, 2012				
9.	Tibor Lukic, Benedek Nagy, Energy-minimization based Discrete Tomography Reconstruction Method for Images on Triangular Grid, Proceedings of Combinatorial Image Analysis - 15th International Workshop (IWCI), Austin (TX), USA, LNCS, Vol. 7655, Springer-Verlag, pp. 274-284, 2012.				
10.	Zorana Luzanin and Tibor Lukic, Convergence of the MRV method at singular points, Novi Sad Journal of Mathematics, Vol. 35, pp. 71-79, 2005.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			0		
Total of SCI(SSCI) list papers :			8		
Current projects :			Domestic :	2	International : 0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Maretić B. Ratko	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 18.05.1993	
Scientific or art field:		Deformable Body Mechanics	
Academic career	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
PhD thesis	1997	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Magister thesis	1993	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Bachelor's thesis	1987	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	A237	Material Resistance	( A00) Architecture, Undergraduate Academic Studies
2.	M204	Strength of Materials	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
3.	M4305	Thermomechanics	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	URZP14	Fundamentals of Mechanical Engineering	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	Z108	Fundamentals of Mechanics	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
6.	BMI127	Biomechanics	( BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	II1004	Mechanics and Industrial Engineering	( I10) Industrial Engineering, Undergraduate Academic Studies
8.	M44051	Theory of Plates and Shells	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	M4501	Industrial Design	( M40) Technical Mechanics and Technical Design, Master Academic Studies
10.	M4505	Modelling of non-linear systems	( M40) Technical Mechanics and Technical Design, Master Academic Studies
11.	DM403	Mathematical Rod Theory	( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	ZRD16A	Selected chapters in mechanics and elasticity theory	( Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	R. Maretić, V. Glavardanov and V. Milosevic-Mitic: Transverse vibrations and stability of a heavy and heated vertical circular plate. International Journal of Structural Stability and Dynamics, 2010, 10(5), 1111-1121.		
2.	V. Glavardanov, R. Maretić and N. Grahovac: Buckling of a twisted and compressed rod supported by Cardan joints. European Journal of Mechanics A/Solids, 2009, 28, 131- 140.		
3.	V. Glavardanov and R. Maretić: Stability of a twisted and compressed clamped rod. Acta Mechanica, 2009, 202, 17-33.		
4.	R. Maretić and V. Glavardanov: Impact of mounting with an overlap on vibration and stability of a rotating annular plate. Journal of Sound and Vibration, 2008, 313, 308- 324.		


	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
5.	R. Maretic, V. Glavardarov and D. Radomirovic: Asymmetric vibrations and stability of a rotating annular plate loaded by a torque. Meccanica, 2007, 42, 537- 546.		
6.	R. Maretic, 2005, "Transverse vibration and stability of an eccentric rotating circular plate", Journal of Sound and Vibration 280, 467-478.		
7.	R. B. Maretic, V. B. Glavardarov, 2004, "Stability of a Rotating Heated Circular Plate with Elastic Support", Journal of Applied Mechanics, Transactions of the ASME, 71, 897-899.		
8.	R. B. Maretic and T. M. Atanackovic, 2001, Journal of Engineering Mechanics Vol 127, 242-247, Buckling of Column with Base Attached to Elastic Half-Space.		
9.	L. 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.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		25	
Total of SCI(SSCI) list papers :		14	
Current projects :		Domestic :	1
		International :	0







	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Mihailović P. Biljana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.03.1999	
Scientific or art field:		Mathematics	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2009	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2003	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E135	Probability, Statistics and Stochastic Processes	( MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E212	Mathematical Analysis 1	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E213	Discrete Mathematics and Linear Algebra	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	E224A	Probability and Stochastic Processes	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	EOS07	Mathematics 2	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
6.	M102	Mathematics 1	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
7.	E102	Mathematical Analysis 1	( ES0) Power Software Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	BMI91	Mathematics 1	( BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI92	Mathematics 2	( BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E102A	Mathematical Analysis 1	( E10) Power, Electronic and Telecommunication 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		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
11.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies		
12.	DZ01MS	Selected Chapters in Mathematics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies ( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies ( Z00) Environmental Engineering, Specialised Academic Studies		
13.	I004/S	Statistical Quantitative Methods	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies		
14.	OIR009	Primenjena aktuarska matematika	( I20) Engineering Management, Specialised Professional Studies		
15.	ZR503	Statistical Advanced Models	( Z01) Safety at Work, Master Academic Studies		
16.	D0M07	Mathematical Foundations of Fuzzy Systems	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
17.	D0M21	Fuzzy Systems and Their Applications	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
18.	D0M49	Aggregation Functions	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
19.	D0M50	Fuzzy Measures and Integrals	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
20.	D0M51	Large Deviations Principles	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
21.	DZ01M	Selected Chapters in Mathematics	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies ( E20) Computing and Control Engineering, Doctoral Academic Studies ( F00) Graphic Engineering and Design, Doctoral Academic Studies ( F20) Engineering Animation, Doctoral Academic Studies ( G00) Civil Engineering, Doctoral Academic Studies ( GI0) Geodesy and Geomatics, Doctoral Academic Studies ( H00) Mechatronics, Doctoral Academic Studies ( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies ( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies ( S00) Traffic Engineering, Doctoral Academic Studies ( Z00) Environmental Engineering, Doctoral Academic Studies ( Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	E. Pap, B. Mihailović: A representation of a comonotone-v-additive and monotone functional by two Sugeno integrals, Fuzzy Sets and Systems 155, (2005) 77-88				
2.	B. Mihailović, E. Pap: Sugeno integral based on absolutely monotone real set functions, Fuzzy Sets and Systems, Vol 161, Issue 22, (2010) 2857-2869				
3.	B. Mihailović, E. Pap: Asymmetric integral as a limit of generated Choquet integrals based on absolutely monotone real set functions, Fuzzy Sets and Systems 181, (2011) 39-49.				
4.	B. Mihailović, E. Pap: Asymmetric general Choquet integrals, Acta Polytechnica Hungarica, Volume 6, Issue Number 1, (2009) 161-173.				
5.	Kalina M., Manzi M., Mihailović B.: Choquet integrals and T-supermodularity, E. Pap (Ed.): Intelligent Systems: Models and Applications, TIEI 3, DOI: 10.1007/978-3-642-33959-2 4 c Springer-Verlag Berlin Heidelberg , (2013 ) 61-75.				



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
6.	B. Mihailović, Lj. Nedović, T. Grbić : The induced Sugeno integral-based operator w.r.t bi-fuzzy measures, Journal of Electrical Engineering, Vol.54, No. 12/s, (2003) 76-79.		
7.	B. Mihailović, E. Pap: Non-monotonic set functions and general fuzzy integrals, Proceedings of SISY 2008, Subotica, (2008) 371-374.		
8.	B. Mihailović: On the class of symmetric S-separable aggregation functions Proceedings of AGOP 2007, Ghent, Belgium, (2007) 187-191.		
9.	B. Mihailović, E. Pap: Decomposable signed fuzzy measures, Proceedings of EUSFLAT 2007, Ostrava, Czech Republic, (2007) 265-269.		
10.	B. Mihailović, M. Manzi: On the asymmetric Shilket-like integral, Proceedings of AGOP2011, Benevento, Italy, (2011) 73-77.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		10	
Total of SCI(SSCI) list papers :		4	
Current projects :		Domestic :	2
		International :	0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Mihajlov N. Anđelka	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Environment Protection Engineering	
Academic career	Year	Institution	Field
Academic title election:	2006	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	1984	Faculty of Technology and Metallurgy - Beograd	Technological Engineering
Magister thesis	1977	Faculty of Technology and Metallurgy - Beograd	Technological Engineering
Bachelor's thesis	1974	Faculty of Technology and Metallurgy - Beograd	Technological Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E0S42	Renewable sources and environmental protection	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	Z105	Energy and Environment	(Z20) Environmental Engineering, Undergraduate Academic Studies
3.	Z105A	Energy and the environment	( Z01) Safety at Work, Undergraduate Academic Studies
4.	Z204A	Monitoring of the Living Environment	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z205	Sustainable Use of Natural Resources and Environmental Protection System	( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z309A	Solid Waste Management	( Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z401A	Design and Planning in Environmental Protection	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z401B	Design and Planning in Environmental Engineering	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
9.	Z409A	Hazardous Waste Management and Recycling Technologies	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	Z309A	Upravljanje čvrstim otpadom(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	M3202	Identification and reduction of pollution from industry	( M30) Energy and Process Engineering, Undergraduate Academic Studies
12.	MPK012	Solid waste management	( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
13.	SZD052	Resource-Efficient and Low-Carbon Development	( Z00) Environmental Engineering, Specialised Academic Studies
14.	ZD052	Efficient Use of Natural Resources and Low-Carbon Development	( Z00) Environmental Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Održivi razvoj i životna sredina ka Evropi u 95+ koraka, monografija (pomocni udzbenicki materijal), PKS/Ambasadori životne sredine, na srpskom (2005), Canada Fund na engleskom (2006)		
2.	Mihajlov A., Opportunities and challenges 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.	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)		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>		
Representative references (minimum 5, not more than 10)			
5.	B.Djordjevic, A.Mihajlov, A.Tasic, Correlation of Second virial coefficients of polar gases by RK equation of state, AIChE Journal (American Institute of Chemical Engineers Journal), 26(5), 858-862 (1980)		
6.	R.Paunovic, S.Jovanovic, A.Mihajlov, Rapid computation of binary interaction coefficients of an equation of state for vapor-liquid equilibrium calculations. Application to the RK-Soave Equation of state, Fluid Phase Equilibria, 6, 141-148 (1981)		
7.	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		
8.	D.Prokic, A.Mihajlov, "Contaminated sites: solid waste management practice in developing country (Serbia)", Environment Protection Engineering, 2012, Vol. 38, No.1, pp 81-90		
9.	Lj.Fišang, M.Đurić, R.Marinković-Nedućin, J.Ranogajec, A.Mihajlov, An optimization of fly ash quantity in cement binding, Cement and Concrete Research, 25(7), 1430-1490		
10.	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. 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	
Current projects :		Domestic :	1 International : 2



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>		
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Science, arts and professional qualifications

Name and last name:		Milojević D. Zoran	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 27.10.1997	
Scientific or art field:		Machine Elements, Construction Principles, Machine and Mechanizm	
Academic carier	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
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EOS03	Fundamentals in Mechanical Engineering (Machine elements and Materials)	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	F202	Fundamentals in Mechanical Engineering	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	M108	Engineering Graphic Communications	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
4.	M2610	Graphic Communications and CAD	( H00) Mechatronics, Undergraduate Academic Studies
5.	S012	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 Studies
Representative references (minimum 5, not more than 10)			
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., Navalusić, 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., Navalusić, 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., Navalusić, 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., Navalusić 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		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
8.	Milojević Z., Navalusić 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		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		5	
Current projects :		Domestic :	1
		International :	0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Mirović Đ. Ivana	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.04.1990	
Scientific or art field:		English	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	English
Bachelor's thesis	1984	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	( A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	( A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	( A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	( A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	( G00) Civil Engineering, Undergraduate Academic Studies ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	( 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 ( 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
7.	EJ02L	English Language – Pre-Intermediate	( 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 ( 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

		UNIVERSITY OF NOVI SAD		
FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
Study Programme Accreditation				
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
8.	EJ02Z	English Language – Pre-Intermediate	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies	
9.	EJ03Z	English Language - Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies	
10.	EJ04L	English Language – Upper Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies	
11.	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 ( 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	
12.	EJ2L	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies	

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	( H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	( G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( 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 (Indija), 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		Energy and Process Engineering	
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.	EJIM	English for Specific Purposes	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies		
35.	ETI05	English language - Elementary	( E02) Electronics and Telecommunications, Undergraduate Professional Studies		
36.	EJ1Z	English Language - Elementary	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
37.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
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		
Representative references (minimum 5, not more than 10)					
1.	Prevod monografije: Nenad Teofanov: Ultramodulation Spaces and Pseudodifferential Operators, Zadužbina Andrejević				
2.	Prevod publikacije o Fakultetu tehničkih nauka, Faculty of Technical Sciences, 2004				
3.	Vesna Bogdanović i Ivana Mirović: Engleski jezik 1 za grafičko inženjerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2007				
4.	Ivana Mirović i Vesna Bogdanović: Engleski jezik 2 za grafičko inženjerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2011				
5.	I. Mirović, V. Bogdanović, B. Ličen: Istorijat nastave stručnog engleskog jezika na FTN u Novom Sadu. međunarodna konferencija Jezik struke, teorija i praksa, Beograd, 2008				
6.	V. Bogdanović, I. Mirović, B. Ličen: Kreiranje udžbenika za engleski jezik za studente različitog predznanja, međunarodna konferencija Jezik struke, teorija i praksa, Beograd, 2008				
7.	I. Mirović, B. Ličen, V. Bogdanović: Summarization skills of engineering students reading in a second language, Language for Specific Purposes, Challenges and Prospects, Belgrade, 2011				

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
8.	Mirović I, Gak D., Bogdavić V.: Trust me - I'm an engineer or: Why we should challenge our students with demanding tasks, 5th International Conference on the Importance of Learning Professional Foreign Languages for Communication between Cultures, Celje, Slovenia, 2012		
9.	Gak D, Bogdanović V, Mirović I, : Questionnaire - an instrument for collecting valuable data from teachers of business English courses, 5th International Conference on the Importance of Learning Professional Foreign Languages for Communication between Cultures, Celje, Slovenia, 2012		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> <span>0</span> <span>International : 0</span> </div>

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Mitrović M. Slavica	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2005	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2004	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E2I41	Information System Engineering	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
2.	EOS33	Entrepreneurial management	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
3.	S002A	Economics	( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	II121	Principles of economics	( SI1) Software and Information Technologies (Indija), Undergraduate Professional Studies
5.	I120	Principi menadžmenta(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	I201	Preduzetništvo(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	II1041	Innovation and Entrepreneurship	( I10) Industrial Engineering, Undergraduate Academic Studies
8.	IM1005	Entrepreneurship	( I20) Engineering Management, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
9.	IM1007	Principles of engineering management	( I20) Engineering Management, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
10.	IM1215	Management of small and medium size enterprises	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM1218	Models of open innovations and corporate entrepreneurship	(I20) Engineering Management, Undergraduate Academic Studies
12.	IMDS97	Entrepreneurial Management	( I22) Engineering Management, Specialised Academic Studies
13.	MBA304	Business Strategies	( IB0) Engineering Management - MBA, Specialised Professional Studies
14.	NIT07	Management Skills	( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
15.	IMDS66	Managerial decision-making	( GI0) Geodesy and Geomatics, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies





	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
16.	IMDR97	Entrepreneurial Management	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR66	Managerial decision-making	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Mitrović, S., Grubić-Nešić, L., Milisavljević, S., Melović, B., Zuzana Babinkova (in press) Manager's Assessment of Organizational Culture. E+M Ekonomie a Management ISSN 1212-3609.		
2.	Slavica MITROVIĆ, Bozidar LEKOVIĆ, Valentin KONJA, Ana NEŠIĆ (in press). EMPLOYEE TIME MANAGEMENT: A CASE STUDY FROM SERBIA. Metalurgia International, ISSN 1582 – 2214. Vol. (1).		
3.	Valentin KONJA, Leposava GRUBIĆ-NEŠIĆ, Slavica MITROVIĆ (2012). LEADER-MEMBER EXCHANGE: A SHORT CASE STUDY FROM A SERBIAN COMPANY. Metalurgia International, ISSN 1582 – 2214. Vol.17 (11), pp. 146-153.		
4.	Melović, B., Mitrović, S., Milisavljević, S., Pejanović, R., Čelić, Đ. (2012). RESEARCH OF CONSUMPTION AND COMPETITIVENESS OF HOMEMADE PRODUCTS FOR MANUFACTURING IMPROVEMENT: CASE STUDY FROM MONTENEGRO. African Journal of Agricultural Research. ISSN 1991-637X .Vol. 7(26), pp. 3757-3764.		
5.	S. Mitrovic, S. Milisavljevic, I. Cosic, B. Lekovic, L. Grubic-Nesic, A. Ivanisevic: Changes in leadership styles in a transitional economy: A Serbian case study, African Journal of Business Management, Vol. 5(9), pp. 3563-3569, 4 May 2011. ISSN 1993-8233 Academic Journals.		
6.	Mitrović, S., Nikolić, J., Milisavljević, S., Čosić, I. (2012). Factors influencing managerial decision-making in industrial systems, International symposium on industrial engineering-SIE, Belgrade. Proceeding page 67-73. ISBN 978-86-7083-758-4 (COBISS:SR-ID 191329292).		
7.	Mitrović, S., Melović, B., Čosić, I. (2012). ENTREPRENEURIAL EDUCATION AS AN EMPLOYMENT-INFLUENCING FACTOR. International entrepreneurship conference „Recruitment in the light of entrepreneurship“, organized by Faculty of Economics, Podgorica, Montenegro. ISBN 978-86-80133-56-0		
8.	Mitrović, S., Milisavljević, S., Melović, B., Grubić-Nešić, L. (2012). Strategic management in the function of overcoming economical crises, 17 th International Scientific Symposium Strategic management and Decision Support Systems in Strategic Management, Palic-Subotica. ISBN 978-86-7233-305-3 (COBISS.SR-ID 250924295).		
9.	Leposava GRUBIC-NESIC, Sanja VRNJES, Biljana RATKOVIC-NJEGOVAN, Slavica MITROVIC (2012). ATTITUDES OF THE EMPLOYEES ABOUT THE ORGANIZATIONAL RESTRUCTURING: A SAMPLE OF ORGANIZATIONS IN SERBIA. Metalurgia International, ISSN 1582 – 2214. Vol.17 (12), pp. 153-160.		
10.	Lošonc (Lošonc) A., Ivanišević A., Mitrović S.: Strukturalna kriza: forme i uzroci, Novi Sad, Fakultet tehničkih nauka, 2012, str. 1-232, ISBN 978-86-7892-375-3, UDK: 268964871		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		8	
Current projects :		Domestic :	International :
		2	0





	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Nađ F. Laslo	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.05.1977	
Scientific or art field:		Electronics	
Academic carier	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Electronics
PhD thesis	1992	Faculty of Technical Sciences - Novi Sad	Electronics
Magister thesis	1983	Faculty of Electronic Engineering - Niš	Electronics
Bachelor's thesis	1977	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EM304	Impulse and Digital Electronic Circuits	( MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EM436	Mechatronics	( M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	EM440	Computer-Aided Electronic Circuit Design	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	H305	Analogue Electronics	( H00) Mechatronics, Undergraduate Academic Studies
5.	H309	Impuls Electronics	( H00) Mechatronics, Undergraduate Academic Studies
6.	H311	Application of Sensors and Actuators	( H00) Mechatronics, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	BMI110	Sensors and actuators in medicine	( BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BMI99	Electronics	( BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	E138A	Digital Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	EM301A	Analog Microelectronic Circuits	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
11.	EM436A	Mechatronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
12.	DE400S	Complex Digital Systems and High Frequency Circuits	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
13.	DE501S	Selected Chapters in Pulse and Analogue Electronics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
14.	EM530	Selected Chapters in Impulse Electronics	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	SI032	Selected Chapters in Mechatronics	( E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
16.	BMIM1B	EMI and EMC in medicine equipment	( BM0) Biomedical Engineering, Master Academic Studies
17.	EM406A	High-Frequency Digital Systems and Circuits	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
18.	DE400	Complex Digital Systems and High Frequency Circuits	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
19.	DE501	Selected Chapters in Pulse and Analogue Electronics	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Radosavljević G., Živanov Lj., Smetana W., Marić A., Unger M., Nađ L.: A Wireless Embedded Resonant Pressure Sensor Fabricated in the Standard LTCC Technology, IEEE Sensor Journal, 2009, Vol. 9, No 12, pp. 1956-1962, ISSN 1530-437X		
2.	L. Juhas, A. Vujanić, N. Adamović, L. Nagy, B. Borovac, "A Platform for Micro-Positioning Based on Piezo-Legs", The Journal of Mechatronics, Vol. 11 (2001), pp.869-897.		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
3.	Damjanović M., Živanov Lj., Nađ L., Đurić S., Biberdžić B.: A Novel Approach to Extending the Linearity Range of Displacement Inductive Sensor , IEEE Transactions on Magnetics, 2008, Vol. 44, No 11, pp. 4123-4126, ISSN 0018-9464		
4.	Nađ L., Radić J., Đugova A., Videnović-Mišić M.: Ultra Low-Power Low-Complexity Tunable 3-10 GHz IR-UWB Pulse Generator, Informacije MIDE M - Journal of microelectronics, electronic components and materials, 2012, Vol. 3, ISSN 0352-9045		
5.	Đurić S., Nađ L., Damjanović M., Đurić N., Živanov Lj.: A novel application of planar-type meander sensors, Microelectronics International, 2011, Vol. 28, No 1, pp. 41-49, ISSN 1356-5362		
6.	Radić J., Đugova A., Nađ L., Videnović-Mišić M.: Feedback Influence on Performance of Ring Oscillator for IR-UWB Pulse Generator in 0.18µm CMOS technology, 28. International Conference on Microelectronics – MIEL, Niš: IEEE, 13-16 Maj, 2012, pp. 357-360, ISBN 978-1-4673-0235-7 , UDK: 10.1109/MIEL.2012.6222873		
7.	Nađ L., Babković K., Krklješ D., Borovac B.: Elastic Foot Contact Force Sensor System — Pendulum Application Example, 14. International Power Electronics and Motion Control Conference EPE-PEMC, Ohrid, 6-9 Septembar, 2010, pp. 38-38, ISBN 978-1-4244-7856-9		
8.	Babković K., Nađ L., Krklješ D.: Optical Sensor for Vibration Monitoring with Automatic Operating Point Adjustment, 28. International Conference on Microelectronics – MIEL, Niš, 13-16 Maj, 2012, pp. 189-192, ISBN 978-1-4673-0235-7		
9.	Radić J., Đugova A., Nađ L., Videnović-Mišić M.: Body Bias Influence on Ring Oscillator Performance for IR-UWB Pulse Generator in 0.18µm CMOS technology , 47. International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST, Veliko Trnovo, 28-30 Jun, 2012, pp. 82-85		
10.	Krklješ D., Babković K., Nađ L.: Specific Conductance Characteristic of Force Sensing Resistor (FSR) with Custom Made Single-gap Conductive Contacts, 2. ICMAS-International Conference on Materials and Applications for Sensors and Transducers, Budapest, 24-28 Maj, 2012		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		6	
Total of SCI(SSCI) list papers :		5	
Current projects :		Domestic :	3
		International :	1

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Navalušić V. Slobodan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.12.1975	
Scientific or art field:		Machine Elements, Construction Principles, Machine and Mechanizm	
Academic carieer	Year	Institution	Field
Academic title election:	2006	Faculty of Technical Sciences - Novi Sad	Machine Elements, Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng. Communication
PhD thesis	1996	Faculty of Technical Sciences - Novi Sad	Machine Elements, Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng. Communication
Magister thesis	1986	Faculty of Technical Sciences - Novi Sad	Machine Elements, Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng. Communication
Bachelor's thesis	1975	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	A555	Perspective	( G10) Geodesy and Geomatics, Undergraduate Academic Studies
2.	EOS03	Fundamentals in Mechanical Engineering(Machine elements and Materials)	( E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	F202	Fundamentals in Mechanical Engineering	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	GG03	Descriptive Geometry	( G00) Civil Engineering, Undergraduate Academic Studies
5.	GI104	Descriptive Geometry in Geomatics	( G10) Geodesy and Geomatics, Undergraduate Academic Studies
6.	M108	Engineering Graphic Communications	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
7.	M2610	Graphic Communications and CAD	( H00) Mechatronics, Undergraduate Academic Studies
8.	S012	Descriptive Geometry and Engineering Drawing	( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
9.	IA013	Interactive Engineering Graphics	( F10) Engineering Animation, Undergraduate Academic Studies
10.	ASO5	Descriptive Geometry with Perspective 1	( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
11.	ASO9	Descriptive Geometry with Perspective 2	( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
12.	ZC007	Engineering Graphic Communications	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
13.	M2511	Methodology of Design	( M22) Mechanization and Construction Engineering, Master Academic Studies
14.	M2655	Maintenance of Agricultural Machinery	( M22) Mechanization and Construction Engineering, Master Academic Studies
15.	AD0013	Theory of curves and surfaces	( AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
16.	DM213	Contemporary Methods of Designing and Machine Constructing	( M00) Mechanical Engineering, Doctoral Academic Studies
17.	DM409	Selected Chapter in Power and Motion Transmission	( M00) Mechanical Engineering, Doctoral Academic Studies
18.	AID04	Haptic devices usage in the virtual environment	( F20) Engineering Animation, Doctoral Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>			
Representative references (minimum 5, not more than 10)				
1.	Milojević, Z., Navalusić, S., Zeljković, M.: " NC VERIFICATION AS A COMPONENT OF VIRTUAL MANUFACTURING", Academic Journal of Manufacturing Engineering, Vol. 5, No 2-2007., Editura Politehnica, žitimisoara, Romania, pp: 48-54, 2007. ISSN: 1583-7904			
2.	Milojević, Z., Navalusić, 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., Navalusić, S., Zeljković, M.: " AN EXACT APPROACH TO 3-AXIS MILLING NC SIMULATION AND VERIFICATION", Journal Manufacturing Engineering Vol.3, No.5, Kosicah, 2006., pp. 14-17			
4.	Milojević, Z., Navalusić, S., Zeljković, M.: " DEVELOPMENT OF THE MODULE FOR VERIFICATION OF NC MACHINING PROGRAM ", Journal of Machine Engineering, Vol.5 No. 1-2, Intelligent Machines and factories, Wroclaw, 2005. god., pp. 177-185			
5.	Zeljko, M., Zeljković, Ž., Navalusić, S., Milojević, Z.: " SOFTWARE SOLUTION DEVELOPMENT FOR THE GRINDING WHEEL PROFILING CYCLE ON THE CNC GRINDING MACHINE", Journal of Machine Engineering, Vol.4 No. 1-2, Machine tools and factories of the knowledge, Wroclaw, 2004. god., pp. 254-262			
6.	Desnica E., Letić D., Gligorić R., Navalusić 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., Navalusić 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			
8.	Desnica E., Letić D., Navalusić S.: Concept of distance learning model in graphic communication teaching at university level education, Technics Technologies Education Management, 2010, Vol. 5, No 2, pp. 378-388, ISSN 1840-1503			
9.	Milojević Z., Navalusić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991			
10.	Navalušić, S., R. Gatalo, M. Zeljković: Automated Gearbox Design Based on Principles of Expert System Building, JSPE Publication Series No.1, Advancement of Intelligent Production, edited by Eiji Usui, Elsevier Science B. V., Amsterdam - Lausanne - New York - Oxford - Shannon - Tokyo, 1994, pp. 45-50			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	0	International :	0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>		
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Science, arts and professional qualifications

Name and last name:		Nikolić M. Aleksandar	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.1990	
Scientific or art field:		Mathematics	
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1997	Faculty of Sciences - Novi Sad	Mathematics
Magister thesis	1992	Faculty of Mathematics - Beograd	Mathematics
Bachelor's thesis	1981	Faculty of Sciences - Novi Sad	Mathematics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H103	Mathematics 1	( H00) Mechatronics, Undergraduate Academic Studies
2.	M102	Mathematics 1	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
3.	Z104	Mathematics 1	( 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
4.	Z106	Mathematics 2	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies ( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z104	Matematika 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z106	Matematika 2(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	BMI91	Mathematics 1	( BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BMI92	Mathematics 2	( BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	ETI03	History of science and technology	( E02) Electronics and Telecommunications, Undergraduate Professional Studies
10.	IA001	Algebra	( F10) Engineering Animation, Undergraduate Academic Studies
11.	II1052	Mathematics 2	( I10) Industrial Engineering, Undergraduate Academic Studies
12.	IM1002	Mathematics 1	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies
13.	IM1006	Mathematics 2	( I20) Engineering Management, Undergraduate Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
1.	Aleksandar Nikolić, About two famous results of Jovan Karamata, Archives Internationales D'Histoire des Sciences, n. 141, Vol. 48, 1998, pp. 353-373		
2.	Aleksandar Nikolić, Space and Time in the Apparatus of Infinitesimal Calculus, Review of Research, Faculty of Science, Mathematics Series 23, 1, 1993, pp. 199-218		
3.	Nevenka Adžić, Aleksandar Nikolić, Uvod u teoriju redova, FTN Novi Sad, 2001, s. 124		
4.	Irena Čomić, Aleksandar Nikolić, Diferencijalne jednačine, FTN Novi Sad, 1999, s. 122		
5.	Aleksandar Nikolić, Jovan Karamata, život kroz matematiku, Zadužbina Andrejević, 1999, s.105		
6.	Marić, V., Nikolić, A., Vojislav G. Avakumović (1910-1990) - A Passionate Man of Mathematics, Ganita Bharati, Vol. 30, No. 1, 45-60, 2008.		
7.	Nikolić, A., Karamata's Proofs of Pappus-Pascal and Desargues Theorems, ICAM 2007, G.B. Pant University, India.		
8.	Nikolić, A., The Story of Majorisability as Karamata's Condition of Convergence for Abel Summable Series, Historia Mathematica, 36, 4, 2009, 405-419.		
9.	Nikolić, A., Mathematical education in the Province of Vojvodina within the Habsburg Monarchy, History of Mathematics, 41, 2010, 109-124.		
10.	Aleksandar Nikolic, Mathematician Judita Cofman (1936–2001), Teaching Mathematics and Computer Science, Institute of Mathematics, and Faculty of Informatics, University of Debrecen, Hungary. 2012 Vol. X. Issue I, s. 91-115. ISSN 1589 - 7389		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		1	
Current projects :		Domestic :	International : 1







	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Obradović M. Ratko	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		02.09.1993	
Scientific or art field:		Computer Graphics	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Computer Graphics
PhD thesis	2000	Faculty of Sciences - Novi Sad	Computer Graphics
Magister thesis	1997	Faculty of Sciences - Novi Sad	Computer Graphics
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Machine Elements, Construction Principles, Machine and Mechanism Theory, Power and Motion Transfer and Eng. Communication
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IA020	Advanced Display Technologies	( F10) Engineering Animation, Undergraduate Academic Studies
2.	M108	Engineering Graphic Communications	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
3.	S012	Descriptive Geometry and Engineering Drawing	( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	IA006	Spatial Shape Design	( F10) Engineering Animation, Undergraduate Academic Studies
5.	IA009	3D Modeling	( F10) Engineering Animation, Undergraduate Academic Studies
6.	IA014	Advanced Engineering Animation	( F10) Engineering Animation, Undergraduate Academic Studies
7.	IGA013	Character Animation	( F10) Engineering Animation, Undergraduate Academic Studies
8.	IGA055	Special Visual Effects	( F10) Engineering Animation, Undergraduate Academic Studies
9.	IGB034	Video in Engineering Animation	( F10) Engineering Animation, Undergraduate Academic Studies
10.	IGB340	Fundamentals of Engineering Animation	( F10) Engineering Animation, Undergraduate Academic Studies
11.	ZC007	Engineering Graphic Communications	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	IA018	Computer Geometry	( F20) Engineering Animation, Master Academic Studies
13.	AD0010	Advanced Animation and Video Post Techniques in Architecture	( AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
14.	E2528	Computer game development	( E20) Computing and Control Engineering, Master Academic Studies ( SE0) Software Engineering and Information Technologies, Master Academic Studies
15.	IA005	History of Animation	( F20) Engineering Animation, Master Academic Studies
16.	AID08	Advanced Interdisciplinary Scientific Visualization	( F20) Engineering Animation, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Milojević Z., Navalusić 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		







	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p>		
<h2 style="margin: 0;">Study Programme Accreditation</h2>			
<p>UNDERGRADUATE ACADEMIC STUDIES</p>		<p>Energy and Process Engineering</p>	
<p>Representative references (minimum 5, not more than 10)</p>			
2.	Milojević Z., Navalusić 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.: Algorithm for Approximation Transitional Developable Surfaces Between two Polygons, rad je u štampi, Technics Technologies Education Management / TTEM, 2012, Vol. 7, No 4, ISSN 1840-1503		
5.	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		
6.	Obradović R., Vujanović M., Popkonstantinović B., Šiđanin P., Beljin B., Kekeljević I.: Fine Arts Subjects at Computer Graphics Studies at the Faculty of Technical Sciences in Novi Sad, rad je u štampi, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 1, ISSN 1840-1503		
7.	Obradović R., Obradović M., Mišić S., Popkonstantinović B., Petrović M., Malešević B.: Investigation of Concave Cupolae Based Polyhedral Structures and Their Potential Application in Architecture, rad je u štampi, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 3, ISSN 1840-1503		
8.	Milojević Z., Navalusić S., Obradović R., Milankov M., Dragoi M., Beju L.: System for 3D Approximate Model Generation of the Femur and Screw Built into Human Knee, Academic Journal of Manufacturing Engineering – AJME, 2010, Vol. 8, No 1, pp. 73-78, ISSN 1583-7904		
9.	Obradović R.: The Plane Section of the Surface of Revolution, Facta universitatis - series: Architecture and Civil Engineering, 2005, Vol. 3, No 2, pp. 235-242, ISSN 0354-4605, UDK: 514.752.2:681.3.06(045)=20		
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		
<p>Summary data for teacher's scientific or art and professional activity:</p>			
Quotation total :		50	
Total of SCI(SSCI) list papers :		7	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> <span>0</span> <span>International : 1</span> </div>

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Oros V. Đura	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		05.11.1982	
Scientific or art field:		Power Electronics, Machines and Facilities	
Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Electroenergetics
Magister thesis	1997	School of Electrical Engineering - Beograd	Power Electronics, Machines and Facilities
Bachelor's thesis	1982	Faculty of Technical Sciences - Novi Sad	Electroenergetics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H361	Control of Electrical Drives	( H00) Mechatronics, Undergraduate Academic Studies
2.	M109	Electric Machines and Power Electronics	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, 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
3.	M112	Electrical Engineering and Electric Machines	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	E2315	Electrical Machines in Automatic Control Systems	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EE419A	Testing of electrical machines	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EE421A	Electrical Design and Calculation Software	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	ZR405A	Protection from the harmful effects of electricity in the application of power converters	( Z01) Safety at Work, Undergraduate Academic Studies
8.	ZR43A	Health and safety regulations in electrical systems	( Z01) Safety at Work, Undergraduate Academic Studies
9.	EE534	Special Electric Motor Drives	( E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	M2541	Occupational Safety and Protection in Operation with Machinery	( M22) Mechanization and Construction Engineering, Master Academic Studies
11.	GS016	Lighting in Buildings	( G10) Energy Efficiency in Buildings, Specialised Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
12.	ZRD235	Systemic regulation in the field of occupational safety and health	( Z01) Safety at Work, Doctoral Academic Studies
13.	ZRD236	State and development of health and safety at work in the field of electrical engineering	( Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	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		
2.	Đura V. Oros, Veran V. Vasić, Darko P. Marčetić: NFO sensorless induction motor drive with on-line stator resistance parameter update, Electric Power Components and Systems, 2008, Vol. 36, No. 12, str. 1318- 1336, ISSN 1532-5008.		
3.	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		
4.	Reljić D., Vasić V., Oros Đ.: Power factor correction and harmonics mitigation based on phase shifting approach, 15. International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia, pp. DS3b.12-1 - 12-8, ISBN: 978-1-4673-1971-3, IEEE catalog number CFP 1234A-USB		
5.	Dumnić B., Oros Đ., Milićević D., Matić D., Vasić V.: Vector Control of Induction Generator with Parallel Stator Resistance and Rotor Speed Estimation, 31. Power Electronics, Intelligent Motion, Power Quality PCIM, Nuremberg: Mesago PCIM GmbH, 4-6 Maj, 2010, pp. 608-612, ISBN 978-3-8007-3229-6		
6.	Vasić V., Marčetić D., Oros Đ., Kulić F.: Prediction of local instabilities caused by inverter dead time in AC drive, 13. European Conference on Power Electronics and Applications, Barselona, 8-10 Septembar, 2009, ISBN 9789075815009		
7.	Francuski Lj., Kulić F., Dumnić B., Oros Đ.: Fuzzy PI Controller for Vector Control of Induction Machine, 9. NEUREL- Symposium on Neural Network Applications in Electrical Engineering, Beograd: IEEE SCG Section, CAS - SP Chair, 25-27 Septembar, 2008, pp. 207-210, ISBN 978-1-4244-2903-5		
8.	Reljić D., Vasić V., Oros Đ.: Power Quality Considerations of Variable Speed AC Drives, A Simulation Study, Paper No. T6-2.4, pp. 1-5,, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5		
9.	Reljić D., Milićević D., Adžić E., Dumnić B., Grabić S., Porobić V., Vekić M., Ivanović Z., Katić V., Vasić V., Marčetić D., Oros Đ., Čorba Z.: Modern Laboratory Tools for Experimental Research in the Field of Electric Drives, 15. International Symposium on Power Electronics Ee, Novi Sad: Društvo za energetska elektroniku-Novu Sad, Elektrotehnički institut "Nikola Tesla"-Beograd, Fakultet tehničkih nauka-Novu Sad, 28-30 Oktobar, 2009, pp. 1-5, ISBN 978-86-7892-208-4		
10.	Ostojić D., Vasić V., Đujić D., Oros Đ.: The Influence of Parameter Mismatch on Natural Field Orientation Controlled Induction Motor Speed Estimation, 1. International Conference on Power Electronics and Intelligent Control for EnergyConservation, Varšava, 6-19 Oktobar, 2005		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		3	
Total of SCI(SSCI) list papers :		4	
Current projects :		Domestic :	International :
		1	0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Pečujlija D. Mladen	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.01.2007	
Scientific or art field:		Production Systems, Organization and Management	
Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1989	Faculty of Philosophy - Novi Sad	Psychological Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	URZP38	Selected Chapters in Psychology	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	IM1052	Engineering Ethics	( I20) Engineering Management, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	IM1820	The theory and practice of organizational socialization	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1913	Research Methodology for Human Resources 1	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1920	Organizational socialization	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1922	Value management	(I20) Engineering Management, Undergraduate Academic Studies
7.	HR015	Ethical and legal aspects of human resources	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies
8.	I077/S	Ethics in Education	( I20) Engineering Management, Specialised Professional Studies
9.	IMDS10	COGNITIVE MANAGEMENT	( I22) Engineering Management, Specialised Academic Studies
10.	IMDS99	Data ACQUISITION, ANALYSIS AND INTERPRETATION 2	( I22) Engineering Management, Specialised Academic Studies
11.	MM008	Audiovisual and media production	( I20) Engineering Management, Specialised Professional Studies
12.	ZP506	Crisis Management	( ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
13.	ZP515	Qualitative and quantitative methods of risk management	( ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
14.	IM2918	Human Resources Research Methodology 2	(I20) Engineering Management, Master Academic Studies
15.	IM2920	Personnel Management	( M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
16.	IMDS77	Selected Chapters from Human Resource Management	( I22) Engineering Management, Specialised Academic Studies
17.	IMDS84	Data ACQUISITION, ANALYSIS AND INTERPRETATION 1	( I22) Engineering Management, Specialised Academic Studies
18.	IMDR10	COGNITIVE MANAGEMENT	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
19.	IMDR99	Data ACQUISITION, ANALYSIS AND INTERPRETATION 2	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
20.	IMDR77	Selected Chapters from Human Resource Management	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies



	UNIVERSITY OF NOVI SAD			
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering			
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
21.	IMDR84	Data ACQUISITION, ANALYSIS AND INTERPRETATION 1	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	Peculija, M., Cosic, D (2010). An Orthodox Christian Reflection: Genetic Enhancement Must Not Be the Creation Primacy Problem Between Man and God. American Journal of Bioethics, 4, 10, 78-80			
2.	Peculija, M., Culibrk, D. (2012). Why we believe the computer when it lies. Computers in Human Behavior, 28, 143-152			
3.	Peculija, M., Cosic, I., Ivanisevic, V. (2011). A Professor's Moral Thinking at the Abstract Level vs The Professor's Moral Thinking in the Real Life Situations. Science and Engineering Ethics, 17, 2, 299-320			
4.	Peculija, M., Azemovic, N., Azemovic, R. (2011). Leadership and productivity in transition: employees' view in Serbia, Journal of East European Management Studies, 16, 3, 251-263			
5.	Radlovacki, V., Beker, I., Majstorovic, V., Peculija, M., Stanivukovic, D., Kamberovic, B. (2011). Quality managers' estimates of quality management principles application in certified organisations in transitional conditions - is Serbia close to TQM? Journal of Mechanical Engineering, 57, 11, 851-861			
6.	Jovanovic, R, Radlovacki, V, Peculija, M, Kamberovic, B, Delic, M, Grujic, J. (2012). Assessment of blood donors' satisfaction and measures to be taken to improve quality in transfusion service establishments. MEDICINSKI GLASNIK 9, 2, 231-238			
7.	Peculija, M., Nerandzic, B., Perovic, V., Jevtic, A., Simic, N. (2010). Initiating innovations in Serbian companies organizational cultures. African Journal of Business Management, 18, 4, 3957-3967			
8.	Peculija, M. et al (2010). "Employees' Attitudes Toward Company Privatization as Possible Predictors of a High-Performance Work System", African Journal for Business and Management. 5, 5, 1663-1672			
9.	Jokic, S, Cosic, I, Sajfert, Z, Peculija, M, Pardanjac, M. (2012) Schools as Learning Organizations: Empirical Study in Serbia. METALURGIA INTERNATIONAL, 17, 2, 83-89			
10.	Radlovacki, V, Peculija, M, Kamberovic, B, Jovanovic, R, Delic, M, Beker, I. (2012). Satisfaction of high school students with the applicability of their knowledge TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM,7, 2, 777-785			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		7		
Total of SCI(SSCI) list papers :		11		
Current projects :		Domestic :	1	International : 1

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Petrovački Lj. Nebojša	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Automatic Control and System Engineering	
Academic career	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	2005	University of California, Los Angeles - Los Angeles	Automatic Control and System Engineering
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E226	Automatic Control Systems	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( H00) Mechatronics, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E238A	Control Systems Technology	( BM0) Biomedical Engineering, Undergraduate Academic Studies ( E20) Computing and Control Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	M3408	Automatic Control Systems	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	BMI125	Biological Control Systems	( BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	EMSAU <sub>1</sub>	Automatic Control Systems in Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	GG226	Automatic control systems in geomatics	( GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	GG99	Geospatial technologies - basics	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
8.	M3409	Automatic control systems	( M30) Energy and Process Engineering, Undergraduate Academic Studies
9.	AU509	Nonlinear Control Systems	( E20) Computing and Control Engineering, Master Academic Studies ( MR0) Measurement and Control Engineering, Master Academic Studies
10.	GIAU01	Geosensor networks	( E20) Computing and Control Engineering, Master Academic Studies ( MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	M3417	Applied industrial automatization	( M30) Energy and Process Engineering, Master Academic Studies
12.	DGI018	Selected Chapters of Automatic Control Systems	( GI0) Geodesy and Geomatics, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	2.Zoran D. Jeličić, Nebojša Petrovački: Optimality Conditions and a Solution Scheme For Fractional Optimal Control Problems, accepted for publication on July 29th, 2008 in Journal of Structural And Multidisciplinary Optimization, Springer, Berlin-Heidelberg		
2.	1.Nebojša Petrovački: Identifikacija, simulacija i upravljanje klasom EDFA pojačavača, Doktorska disertacija, Fakultet tehničkih nauka u Novom Sadu, Novi Sad, decembar 2008. godine.		





	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
3.	3.Zoran D. Jeličić, Nebojša Petrovački: On The Fractional Order Model of EDFA With ASE, in The Proceedings of IEEE Conference on Numerical Simulation of Optical Devices, University of Nottingham, Great Britain, September 2008.		
4.	4.Zoran D. Jeličić, Nebojša Petrovački: Fractional Derivative Model of Erbium-Doped Fiber Amplifiers With Asynchronous Spontaneous Emission, in Book of Abstracts of 2007 SIAM Conference on Control and Its Applications, June 29th - July 1st, 2007, San Francisco, California		
5.	5.Nebojša Petrovački, Zoran D. Jeličić: Specific Optimal Control of Erbium-Doped Fiber Amplifiers, in The Proceedings of IFAC Workshop: Technology Transfer In Developing Countries: Automation in Infrastructure Creation, May 17-18, 2007 Izmir-Cesme, Turkey		
6.	6.Nebojša Petrovački, Zoran D. Jeličić: Modeling, Simulation, And Control of Erbium-Doped Fiber Amplifiers, in The Proceedings of 7th Portuguese Conference on Automatic Control, Lisbon, Portugal, September 11-13th 2006		
7.	7.Nebojša Petrovački, Zoran D. Jeličić: Optimal Transient Response of Erbium-Doped Fiber Amplifiers, in The Proceedings of The 6th IEEE International Conference on Numerical Simulation of Optoelectronic Devices, Nanyang Technological University, Singapore, September 11-14th 2006		
8.	8.Nebojša Petrovački: Stationary Simulation of The Gas Pipeline Using Neural Networks - Case Study of Vojvodina, in The Proceedings of The 10th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2006, July 16-19, 2006, Orlando, Florida (co-chair of the session)		
9.	9.Nebojša Petrovački: Erbium-Doped Fiber Amplifiers, invited talk at Department of Electrical and Computer Engineering of University of California, San Diego, April 14th, 2006.		
10.	11.Nebojša Petrovački: Gain Regulation In Erbium-Doped Fiber Amplifiers, in The Proceedings of The IEEE EUROCON 2005: The International Conference on Computer As A Tool, November 21-24, 2005, Belgrade, Serbia		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		1	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> <span>0</span> <span>International : 3</span> </div>





	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Petrović R. Jovan	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.01.1982	
Scientific or art field:		Thermal Energetics	
Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Thermal Energetics
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
Magister thesis	2002	Faculty of Agriculture - Novi Sad	Process Technics
Bachelor's thesis	1978	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	I079	Modern Energy Technologies	( M50) Energy Management, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	M3304	Boiler Plants	( M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	M3406	Heat Apparatus	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3409A	Modern Energy Technologies	( M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	Z306	Process Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z306A	Process Engineering	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	Z412A	Process apparatus for protecting the environment	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z412	Procesni aparati za zaštitu okoline(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	M211	Measurement and Regulation	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
10.	M3041	Cogeneration facilities	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
11.	M3494	Energy efficiency	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	M3497	Energy audits	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
13.	M3518	Energy Management	( M30) Energy and Process Engineering, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
14.	I079	Modern Energy Technologies	( M50) Energy Management, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
15.	I916	Energy Management in Industry	( M50) Energy Management, Master Academic Studies
16.	I917	Energy Management in Buildings	( M50) Energy Management, Master Academic Studies
17.	I078	Energetska politika	( M50) Energy Management, Master Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	<h2 style="text-align: center;">Study Programme Accreditation</h2>				
	UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering		
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 ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies		
20.	M3M01	Implementation of Energy Management in Industry and Buildings	( 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 Industry	( 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.	DM333	Renewable Energy Resources	( M00) Mechanical Engineering, Doctoral Academic Studies		
Representative references (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.	Čosić I. at al: 4th International Conference on Engineering Technologies ICET 2009, Novi Sad, 2009, pages 523, ISBN 978-86-7892-227-5 (member of editorial team)				
3.	Gvozdenac, D., Menke, C., Vallikul, P., Petrović, J., Gvozdenac, B.: Assessment of potential for natural gas/based cogeneration in Thailand, Energy, Vol. 34, No.4, pp. 465–475.				
4.	JOVAN R. PETROVIĆ, BRANKA GVOZDENAC – UROŠEVIĆ, JOSIP J. POLC: Reasons for heat demand changes and effects on planning and development of heating systems, Thermal Sciences, Year 2112, Vol. 16, Suppl. 1, pp S63-S77, ISSN 0354-9836, UDC 621				
5.	MIROSLAV V. KLJAJIĆ, JOVAN R. PETROVIĆ: Applicability assessment of central and solar hot water system integration in Serbia, Thermal Sciences, Year 2012, Vol. 16, Suppl. 1, pp S63-S77, ISSN 0354-9836, UDC 621				
6.	GVOZDENAC D, PETROVIC J, GVOZDENAC B.: Industrial Gas Turbine Operation Procedure Improvement, Thermal Science, Vol. 15 (2011), pages 17-28, UDC: 662.76.035/.036, DOI: 10.2298/TSCI100516012G				
7.	GVOZDENAC D., PETROVIC J.: Survey of Activities in the Subnetwork in Food Processing Industry; ENCONET NEWSLETTER, Prague, Czechoslovakia, 1989, No 2, pp. 32-35.				
8.	PETROVIĆ Lj., MANOJLOVIĆ D., PETROVIĆ M., GVOZDENAC D., PETROVIĆ J.: Uticaj brzine hlađenja na kvalitet svinjskog mesa; "Tehnologija mesa", Beograd, 1990., br. 4, str. 128-135				
9.	GRKOVIĆ V., PETROVIĆ J.: Pokazatelji energetske efikasnosti kod postrojenja za spregnutu proizvodnju električne i toplotne energije (SPETE), "Termotehnika", Beograd, 1991., br. 1-2, str. 27-39				
10.	PETROVIC J., GVOZDENAC D., PERUNOVIC P.: Monitoring of the Operating Thermal Performances in a Water Heating Boiler - Case Study; ENCONET NEWSLETTER, Prague, Czechoslovakia, No. 4, 1991				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		7			
Total of SCI(SSCI) list papers :		4			
Current projects :		Domestic :	3	International :	0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Prša A. Miroslav	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 29.09.1975	
Scientific or art field:		Theoretical Electrotechnics	
Academic carieer	Year	Institution	Field
Academic title election:	2010		Theoretical Electrotechnics
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	1974	Faculty of Natural Sciences and Engineering - Ljubljana	Electrical and Computer Engineering
Bachelor's thesis	1971	Faculty of Natural Sciences and Engineering - Ljubljana	Electrical and Computer Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EE300	Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	M112	Electrical Engineering and Electric Machines	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	Z107	Electrical Engineering, Environment and Protection	( Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	EE543	Electro Magnetic Energy	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
5.	EM511	Quantum and Organic Electronics	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	M. Prša, "Kožni pojav v premem vodniku pravokotnega prereza (Površinski efekat u pravom provodniku pravougaonog poprečnog preseka)", magistarska teza, Fakulteta za elektrotehniko, Ljubljana, 1974.		
2.	M. Prša, "Prilog analizi i optimizaciji cikličnog pretvaranja energije u magnetskim kolima sa promenljivom reluktansom", doktorska teza, Fakultet tehničkih nauka, Novi Sad, 1986.		
3.	M. Prša , K. Kasaš-Lažetić , V. Bajović: Determination of Earth Impedance, PSU-UNS International Conference on Engineering and Environment – ICEE - 2007, Phuket, Thailand: 10 i 11 Maj, 2007.		
4.	M. Milutinov, A. Juhas, M. Prša: Electric Field of Three-Phase Power Line Systems, PSU-UNS International Conference on Engineering and Environment – ICEE - 200, Phuket, Thailand: 10, 11 maj, 2007.		
5.	D. Herceg , B. Vujičić, Miroslav Prša: Determination of EM field and induced EMF of Voltage Measuring Trnasformer, 8th International Conference on Applied Electromagnetics PES 2007, Niš, Srbija: 3. do 5. Septembar, 2007.		
6.	M. Milutinov , A. Juhas, M. Prša: Electric Field Strength and Pplarization of Multi Three-Phase Power Lines , 8th International Conference on Applied Electromagnetics PES 2007, Niš, Srbija: 3. do 5., Septembar, 2007.		
7.	M. Prša , K. Kasaš-Lažetić: An Accurate Determination of Current Distribution within the Earth, 8th International Conference on Applied Electromagnetics PES 2007, Niš, Srbija: 3. do 5. Septembar, 2007.		
8.	M. Prša: Osnovi elektrotehnike za studente neelektrotehničkih fakulteta, Novi Sad, Stylos, 1995. 248 str.		
9.	M. Prša, L. Juhas: Osnovi elektrotehnike za studente neelektrotehničkih fakulteta - zbirka zadataka, Novi Sad, FTN - Edicija Tehničke nauke, 2001. 178str., ISBN 86-80249-45-9.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0 International : 0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Radišić M. Mladen	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2008	
Scientific or art field:		Production Systems, Organization and Management	
Academic carieer	Year	Institution	Field
Academic title election:	2012		Production Systems, Organization and Management
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2008	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	-		Production Systems, Organization and Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IM1406	Investments Risk Management	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1412	Fundamentals of technology investments	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1420	Investments in innovation systems	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1421	Public sector management	(I20) Engineering Management, Undergraduate Academic Studies
5.	M3499	Energy markets	( M30) Energy and Process Engineering, Undergraduate Academic Studies
6.	I075/S	Selected chapters of portfolio management	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies
7.	IM001	Modern aspects of financial markets	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies
8.	IM005	International financial transactions	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies
9.	IMDS47	Behavioral Corporate Finance	( I22) Engineering Management, Specialised Academic Studies
10.	IMDS87	Financial engineering of public sector	( G10) Geodesy and Geomatics, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies
11.	SZP003	Selected Chapters in Applied Management	( I20) Engineering Management, Specialised Professional Studies ( IB0) Engineering Management - MBA, Specialised Professional Studies
12.	IM007	Modern aspects of public sector systems	( I20) Engineering Management, Specialised Professional Studies
13.	IM2407	International business and finance	(I20) Engineering Management, Master Academic Studies
14.	IM2413	Enterprise portfolio management	( M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
15.	IM2415	Investment Environment	( M50) Energy Management, Master Academic Studies ( OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
16.	IM2416	Quantitative methods of risk management	(I20) Engineering Management, Master Academic Studies
17.	IM2422	Business case study solving	(I20) Engineering Management, Master Academic Studies



	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
<h2 style="text-align: center;">Study Programme Accreditation</h2>			
UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
18.	IM2423	Energy markets	( M50) Energy Management, Master Academic Studies
19.	IMDR87	Financial engineering of public sector	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Radišić O., Radišić M., Maksimović R., Radaković N.: Industrial Cogeneration Appliance - An Example of Drilling Rig, Journal of Canadian Petroleum Technology, 2012, Vol. 51, No 6, pp. 487-492, ISSN 0021-9487		
2.	Radišić M., Nedeljković A.: 5C Model - Business case study solving methodology, The New Educational Review, 2012, Vol. 27, No 1, pp. 19-30, ISSN 1732-6729		
3.	Sando S., Radišić M., Dobromirov D.: Emerging markets - Galapagos for behavioral financial research (in print), Actual Problems of Economics, 2012, ISSN 1993-6788		
4.	Dobromirov D., Radišić M., Kupusinac A.: Emerging markets arbitrages' perception: Risk versus growth potential, African Journal of Business Management, 2011, Vol. 5, No 3, pp. 713-721, ISSN 1993-8233		
5.	Marić B., Dobromirov D., Radišić M.: Researching the dependence between the dynamic indicators of investment profitability, African Journal of Business Management, 2011, Vol. 5, No 13, pp. 5076-5082, ISSN 1993-8233		
6.	Radišić M., Marić B., Dobromirov D.: SMEs and entrepreneurs investments' profitability effects within the transition period in the Republic of Serbia, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2654-2659, ISSN 1993-8233		
7.	Dobromirov D., Radišić M., Kupusinac A., Marić B.: Emerging Markets Unidirectional Sensitivity Coefficient as an Indicator in Portfolio Investors' Decision Making , International Journal of Industrial Engineering and Management - IJIE, 2010, Vol. 1, No 2, pp. 63-68, ISSN 2217-2661		
8.	Radišić M.: Uređivanje časopisa International Journal of Industrial Engineering and Management, International Journal of Industrial Engineering and Management - IJIE, 2012, Vol. 3, No I - IV, ISSN 2217-2661		
9.	Radišić M., Ferenčak M., Igor S., Stankovski S., Dobromirov D.: Harmonization of the Republic of Serbia tax system with the tax system of the European Union, 8. Augustin Cournot Doctoral Days, Strasbourg: University of Strasbourg, 13-15 April, 2011, pp. 15-15		
10.	Dobromirov D., Radišić M., Šenk V.: Attractiveness of Serbia for venture capital, 3. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, IEM Department, 27-29 Maj, 2010, pp. 219-226, ISBN 978-86-7892-250-3		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		6	
Current projects :		Domestic :	International :
		1	2





	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Radonić R. Jelena	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.04.2004	
Scientific or art field:		Environment Protection Engineering	
Academic career	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
Magister thesis	2006	University of Novi Sad - Novi Sad	Environment Protection Engineering
Bachelor's thesis	2002	Faculty of Technology - Novi Sad	Technological Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	URZP45	Mobile Equipment and Fire Extinguishing Equipment	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP61	Fundamentals of the Burning Processes Theory	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	Z102	Technical Chemistry	(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z109	Chemical Principles in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z305	Data Analysis of Environmental Condition	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z305A	Environmental data analysis	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	Z102	Tehnička hemija(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z109	Hemijski principi u inženjerstvu zaštite životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	Z151	Chemistry in Mechanical Engineering	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
10.	Z153	Chemistry in Engineering	( Z01) Safety at Work, Undergraduate Academic Studies
11.	Z155	Chemical Principles in Engineering	( Z01) Safety at Work, Undergraduate Academic Studies
12.	Z600	Chemical Phenomena in Engineering	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
13.	Z503	Practical Course in Environment Protection	(Z20) Environmental Engineering, Master Academic Studies
14.	Z507	Physical and Chemical Principles	(Z20) Environmental Engineering, Master Academic Studies
15.	Z507	Fizičko hemijski principi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
16.	MPK005	Analysis of environmental protection systems	( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
17.	SZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	( Z00) Environmental Engineering, Specialised Academic Studies
18.	SZD003	Applied Analysis of Physical and Chemical Parameters	( Z00) Environmental Engineering, Specialised Academic Studies
19.	SZSP09	Remediation of contaminated locations	( Z00) Environmental Engineering, Specialised Academic Studies
20.	SZSP17	Savremene instrumentalne metode analize zagađujućih supstanci u životnoj sredini	( Z00) Environmental Engineering, Specialised Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
21.	HDOK11	Advanced Application of ICT in Agriculture	( H00) Mechatronics, Doctoral Academic Studies
22.	HDOL11	Advanced application of ICT in agriculture	( H00) Mechatronics, Doctoral Academic Studies
23.	ZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	( Z00) Environmental Engineering, Doctoral Academic Studies
24.	ZDO03	Applied Analysis of Physical and Chemical Parameters	( OM1) Mathematics in Engineering, Doctoral Academic Studies ( Z00) Environmental Engineering, Doctoral Academic Studies ( Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	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		
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 Letić N., Milić N., Turk Sekulić M., Radonić (Jakšić) J., Milanović M., Mihajlović I., Vojinović-Miloradov M.: Quantification of emerging organic contaminants in the Danube River samples by HPLC, Chemicke Listy, 2012, Vol. 106, pp. 264-266, ISSN 1213-7103		
6.	Milić N., Milanović M., Grujić Letić N., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Vojinović-Miloradov M.: Occurrence of antibiotics as emerging contaminant substances in aquatic environment DOI: 10.1080/09603123.2012.733934, INT J ENVIRON HEAL R, 2012, pp. 1-15, ISSN 0960-3123		
7.	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/JSC100616037R		
8.	Radonić (Jakšić) J., Čulibrk D., Vojinović-Miloradov M., Kukić B., Turk Sekulić M.: Prediction of gas-particle partitioning of PAHs based on M5' model trees, Thermal Science, 2011, Vol. 15, No 1, pp. 115-124, ISSN 0354-9836, UDK: doi: 10.2298/TSCI100809005R		
9.	Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Šenk N., Okuka M.: Assessment of Atmospheric Distribution of Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons Using Polyparameter Model, Hemijska industrija, 2011, Vol. 65, No 4, pp. 371-380, ISSN 0367-598X, UDK: 504.5(497.11):547.621		
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		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	3
		International :	3





	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 <b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering	
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Science, arts and professional qualifications



Name and last name:		Rakarić Đ. Zvonko	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 15.11.1999	
Scientific or art field:		Mechanics	
Academic career	Year	Institution	Field
Academic title election:	2012		Mechanics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Technical Mechanics
Magister thesis	2009	Faculty of Technical Sciences - Novi Sad	Mechanics
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Mechanics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E104	Mechanics	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	F107	Technical Mechanics	( F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	GG14	Mechanics 2	( G00) Civil Engineering, Undergraduate Academic Studies
4.	IAKI01	Selected Chapters in Kinematics	( F10) Engineering Animation, Undergraduate Academic Studies
5.	M103	Mechanics 1	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
6.	M107	Mechanics 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
7.	M201	Mechanics 3	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
8.	M2411	Theory of Oscillation	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
9.	M4301	Computer Methods in Mechanics	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
10.	M45021	Computer Methods in Mechanics 2	( M40) Technical Mechanics and Technical Design, Master Academic Studies
Representative references (minimum 5, not more than 10)			



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p>			
<h2 style="margin: 0;">Study Programme Accreditation</h2>				
<p>UNDERGRADUATE ACADEMIC STUDIES</p>		<p>Energy and Process Engineering</p>		
<p>Representative references (minimum 5, not more than 10)</p>				
1.	Rakarić Z., Kovačić I.: An elliptic averaging method for harmonically excited oscillators with a purely non-linear non-negative real-power restoring force, in press, Communication in Non-linear Science and Numerical Simulations, 2012, ISSN 1007-5704			
2.	Rakarić Z., Kovačić I.: Approximations for motion of the oscillators with a non-negative real power restoring force, Journal of Sound and Vibration, 2011, No 330, pp. 321-336, ISSN 0022-460X			
3.	Kovačić I., Rakarić Z.: Study of oscillators with a non-negative real-power restoring force and quadratic damping, Nonlinear Dynamics, 2011, Vol. 64, No 3, pp. 293-304, ISSN 0924-090X, UDK: DOI: 10.1007/s11071-010-9861-9			
4.	Cvetičanin L., Kovačić I., Rakarić Z.: Asymptotic methods for vibrations of the pure fractional-order non-linear oscillators, Computers			
5.	Kovačić I., Rakarić Z.: Oscillators with a fractional-order restoring force: higher-order approximations for motion via a modified Ritz method, Communication in Non-linear Science and Numerical Simulations, 2010, Vol. 15, pp. 2651-2658, ISSN 1007-5704			
6.	Kovačić I., Rakarić Z., Cvetičanin L.: A non-simultaneous variational approach for a certain class of non-linear oscillators, Applied Mathematics and Computation, 2010, Vol. 217, pp. 3944-3954, ISSN 0096-3003			
7.	Rakarić Z.: Oscillators with a quasi-constant restoring force: approximations for motion, Meccanica, 2010, ISSN 0025-6455			
8.	Rakarić Z., Kovačić I.: Oscillators with a purely nonlinear non-negative real-power restoring force: approximations for free and forced response via elliptic functions and averaging, 7. European Nonlinear Dynamics Conference - ENOC, Rim, 24-29 Jul, 2011, ISBN ISBN 978-88-906234-2			
9.	Rakarić Z., Kovačić I.: On the behaviour of forced oscillators with a non-negative real-power restoring force and van der Pol damping, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 1284-1296, ISBN 978-86-909973-3-6			
10.	Rakarić Z., Zuković M.: Iteration method solutions for oscillators with $\text{sign}(x) x ^\alpha$ elastic force, 2. International Congress of Serbian Society of Mechanics, Palić, 1-5 Jun, 2009, pp. 1-10, ISBN 978-86-7892-173-5, UDK: paper A14			
<p>Summary data for teacher's scientific or art and professional activity:</p>				
Quotation total :	20			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	1	International :	1

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Ralević M. Nebojša	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.1990	
Scientific or art field:		Mathematics	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1997	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1994	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1990	Faculty of Sciences - Novi Sad	Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H103	Mathematics 1	( H00) Mechatronics, Undergraduate Academic Studies
2.	H107	Mathematics 2	( H00) Mechatronics, Undergraduate Academic Studies
3.	M4201	Mathematics 3	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	M4202	Applied Mathematical Analysis	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
5.	P216	Numerical Analysis	( P00) Production Engineering, Undergraduate Academic Studies
6.	OM502	Partial Differential Equations	( OM1) Mathematics in Engineering, Master Academic Studies
7.	OM508	Mathematical Foundations of Fuzzy Systems	( OM1) Mathematics in Engineering, Master Academic Studies
8.	OM517	Numerical Analysis	( OM1) Mathematics in Engineering, Master Academic Studies
9.	OML502	Partial Differential Equations	( OM1) Mathematics in Engineering, Master Academic Studies
10.	OML508	Mathematical Foundations of Fuzzy Systems	( OM1) Mathematics in Engineering, Master Academic Studies
11.	OML517	Numerical Analysis	( OM1) Mathematics in Engineering, Master Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies ( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies ( Z00) Environmental Engineering, Specialised Academic Studies
13.	Z506	20BAAdvanced Course in Mathematics 1	( ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies ( Z20) Environmental Engineering, Master Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	( Z20) Environmental Engineering, Master Academic Studies
15.	D0M02	Partial Differential Equations	( OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	D0M07	Mathematical Foundations of Fuzzy Systems	( OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M21	Fuzzy Systems and Their Applications	( OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M38	Non-linear Equations and Their Applications	( OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M39	Optimization Methods and Mathematical Modelling	( OM1) Mathematics in Engineering, Doctoral Academic Studies

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
20.	DOM54	Computational geometry	( F20) Engineering Animation, Doctoral Academic Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies		
21.	DOM55	Pattern Recognition	( F20) Engineering Animation, Doctoral Academic Studies ( OM1) Mathematics in Engineering, Doctoral Academic Studies		
22.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	E. Pap, N. Ralević, Pseudo-Laplace transform, Nonlinear Analysis: Theory Methods and Applications, 33 (1998), 533-550.				
2.	N. M. Ralević, Lj. M. Nedović, T. Grbić, The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral, Fuzzy Sets and Systems 155 (2005) 89-101.				
3.	Lj. M. Nedović, N. M. Ralević, T. Grbić, Large deviation principle with generated pseudo measures, Fuzzy Sets and Systems 155 (2005) 65-76.				
4.	T. Lukić, N. M. Ralević, Geometric Mean Newton's Method for Simple and Multiple Roots, Applied Mathematics Letters (accepted).				
5.	N. M. Ralević, One characterization of Navier-Stokes equation, Acta Mechanica Slovaca, Košice, ročník 8., č. 4/2004, str. 97-102.				
6.	N. Ralević, Some new properties of g-calculus, Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 24, 1 (1994), 139-157.				
7.	E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6				
8.	N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted).				
9.	I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str.				
10.	I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			28		
Total of SCI(SSCI) list papers :			10		
Current projects :			Domestic :	2	International : 0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Ristić V. Aleksandar	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.02.2000	
Scientific or art field:		Automatic Control and System Engineering	
Academic career	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E226	Automatic Control Systems	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( H00) Mechatronics, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	GI014	Celestial Mechanics	( GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	GI016	Physical Geodesy	( GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	GI025B	Geodetic Metrology	( GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	GI404A	Digital Terrain Models	( GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	GI409A	Underground Infrastructure Detection	( GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	M3408	Automatic Control Systems	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	BM119A	The application of geoinformation technologies and systems in medicine	( BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	GG226	Automatic control systems in geomatics	( GI0) Geodesy and Geomatics, Undergraduate Academic Studies
10.	GG99	Geospatial technologies - basics	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
11.	M3409	Automatic control systems	( M30) Energy and Process Engineering, Undergraduate Academic Studies
12.	ZC037	Automation applied in the industry and buildings	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
13.	GI600	Applied Geophysics in Geomatics	( GI0) Geodesy and Geomatics, Master Academic Studies
14.	GI532	Advanced Remote Sensing Technologies	( GI0) Geodesy and Geomatics, Master Academic Studies
15.	GI537	Geosensor networks	( GI0) Geodesy and Geomatics, Master Academic Studies
16.	M3417	Applied industrial automatization	( M30) Energy and Process Engineering, Master Academic Studies
17.	SDGI01	Selected topics in geoinformation systems	( GI0) Geodesy and Geomatics, Specialised Academic Studies
18.	SDGI04	Selected Chapters in Underground Infrastructure Detection	( GI0) Geodesy and Geomatics, Specialised Academic Studies
19.	SDGI13	Selected topics in spatial data infrastructure	( GI0) Geodesy and Geomatics, Specialised Academic Studies
20.	DGI001	Selected Chapters in Geoinformation Systems	( GI0) Geodesy and Geomatics, Doctoral Academic Studies
21.	DGI004	Selected Chapters in Underground Infrastructure Utility Detection	( GI0) Geodesy and Geomatics, Doctoral Academic Studies
22.	DGI006	Selected Chapters in Real Estate Cadastre	( GI0) Geodesy and Geomatics, Doctoral Academic Studies
23.	DGI009	Selected Chapters in GNSS Systems	( GI0) Geodesy and Geomatics, Doctoral Academic Studies

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
24.	DGI010	Selected Chapters in Landscape Arrangement	( GI0) Geodesy and Geomatics, Doctoral Academic Studies		
25.	DGI016	Selected Chapters in Systems and Signals	( GI0) Geodesy and Geomatics, Doctoral Academic Studies		
26.	DGI018	Selected Chapters of Automatic Control Systems	( GI0) Geodesy and Geomatics, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Aleksandar Ristić, Dušan Petrovački, Miro Govedarica: A New Method to Simultaneously Estimate the Radius of a Cylindrical Object and the Wave Propagation Velocity from GPR Data, Computers & Geosciences, 2009, Vol. 35, Broj 8, str. 1620-1630, ISSN 0098-3004, (IF2010 1.416)				
2.	Govedarica Miro, Boskovic Dubravka, Petrovacki Dusan, Ninkov Tosa, Ristic Aleksandar: Metadata Catalogues in Spatial Information Systems (Review), GEODETSKI LIST, (2010), vol. 64 br. 4, str. 313-334 (IF 2009 0.167)				
3.	Aleksandar Ristić, Biljana Abolmasov, Miro Govedarica, Dušan Petrovački, Aleksandra Ristić: Shallow-landslide spatial structure interpretation using a multi-geophysical approach, Acta geotechnica slovenica, (2012), vol. 9, issue 1, pp 46-59, (IF 2011, 0.100)				
4.	Miro Govedarica, Dušan Petrovački, Dubravka Sladić, Aleksandra Ristić, Dušan Jovanović, Vladimir Pajić, Milan Vrtunski, Aleksandar Ristic: ENVIRONMENTAL DATA IN SERBIAN SPATIAL DATA INFRASTRUCTURE - GEOPORTAL OF ECOLOGY, Journal of Environmental Protection and Ecology JEPE 2011 (IF 2010 0.178)				
5.	Ristić Aleksandar, Govedarica Miro, Petrovački Dušan: GNSS status and perspective, Časopis za procesnu tehniku i energetiku u poljoprivredi (PTEP) 2010, ISSN: 1821-4487, Vol. 14, No. 1, Str. 6-10, UDK 63:004(497.11)				
6.	Ristić Aleksandar, Petrovački Dušan, Govedarica Miro: Radar Remote Sensing Technologies - the Usage in Agriculture, Časopis za procesnu tehniku i energetiku u poljoprivredi (PTEP) 2010, ISSN: 1821-4487, Vol. 14, No. 2, Str. 76-80, UDK 621.396.96(075.8)				
7.	Ristić A., Petrovački D., Govedarica M., Popov S.: Detekcija podzemnih voda i tokova Georadarom, Vodoprivreda, 2007, Vol. 39, Broj 229-230, str. 344-349, ISSN 0350-0519, UDK: 551.491.5				
8.	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.	Govedarica M., Petrovački D., Ristić A:GNSS - Based Ground Penetration Radar Applications, 2. The International Symposium on Global Navigation Satellite Systems, Space-Based and Ground-Based Augmentation Systems and Applications, Berlin: Senate Department for Urban Development Berlin, EUPOS ISC, UN OOSA, ICG, 11-14 Novembar, 2008, str. 93-94				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			2		
Total of SCI(SSCI) list papers :			3		
Current projects :			Domestic :	1	International : 1







	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Sokolović S. Dunja	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.11.2012	
Scientific or art field:		Process Technics	
Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Process Technics
PhD thesis	2012	Faculty of Technology - Novi Sad	Technological Engineering
Bachelor's thesis	2007	Faculty of Technology - Novi Sad	Technological Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M3301	Pumping and Compression Stations	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	M3303	Fundamentals of Process Engineering	( M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	M3315	Fundamentals in Ecological Oil Analysis and Gas Industry	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3403	Fluid Machines	( M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	M3498	Industrial Process Technology	( M30) Energy and Process Engineering, Undergraduate Academic Studies
6.	M3517	Construction in energy and process engineering	( M30) Energy and Process Engineering, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	M3517	Construction in energy and process engineering	( M30) Energy and Process Engineering, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
8.	M3599	Energy efficient separation process	( M30) Energy and Process Engineering, Master Academic Studies
9.	DM313	Process Kinetics	( M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Sokolović D., Höflinger W., Zavargo Z., Šečerov Sokolović R.: Uticaj ventilacije komore mašine alatke na osobine SHP aerosola, Hemijska industrija, 2012, Vol. 66, No. 1, pp. 67-77, ISSN 0367-598X		
2.	Sokolović D., Šečerov Sokolović R., Sokolović S.: Proučavanje reoloških osobina nestabilnih emulzija mineralnog porekla , Hemijska industrija, 2012, DOI:10.2298/HEMIND120216070S, ISSN 0367-598X.		
3.	Šečerov Sokolović R., Govedarica D., Sokolović D.: Separation of oil-in-water emulsion using two coalescers of different geometry, Journal of Hazardous Materials, 2010, Vol. 175, No. 1-3, pp. 1001-1006, ISSN: 0304-3894.		
4.	Govedarica D., Šečerov Sokolović R., Sokolović D., Sokolović S.: Evaluation of the Separation of Liquid-Liquid Dispersions by Flow through Fiber Beds, Industrial & Engineering Chemistry Research, 2012, dx.doi.org/10.1021/ie3026967, ISSN: 0888-5885.		
5.	Govedarica D., Šečerov Sokolović R., Sokolović D., Sokolović S.: A Novel Approach for the Estimation of the Efficiency of Steady-State Fiber Bed Coalescence, Separation and Purification Technology, 2012, ISSN 1383-5866, UDK: <a href="http://dx.doi.org/10.1016/j.seppur.2012.11.034">http://dx.doi.org/10.1016/j.seppur.2012.11.034</a>		
6.	Sokolović S., Zavargo Z., Sokolović D.: SUSTAINABLE DEVELOPMENT, CLEAN TECHNOLOGY AND KNOWLEDGE FROM INDUSTRY, Thermal Science, 2012, Vol. 16, Suppl. 1, pp. S131-S139, ISSN 0354-9836		
7.	Sokolović D., Govedarica D.: Sustainable waste management and petroleum sludge, 1. ISWA Beacon Conference, Novi Sad: Internacional Solid Waste Association-ISWA, 10-11 Decembar, 2009, pp. 176-183		
8.	Šečerov Sokolović R., Sokolović S., Sokolović D.: Waste polymer fibrous as filter media for oily water separation, 11. World Filtration Congress, Graz: 11th World Filtration Congress - Session PL03 - Solid-Liquid Separation III, 17-20 April, 2012		
9.	Sokolović D., Šečerov Sokolović R., Govedarica D.: INFLUENCE OF INLET OIL CONCENTRATION ON OILY WATER SEPARATION BY STEADY-STATE BED COALESCERS TWO DIFFERENT GEOMETRY, 1. International Congress of Chemical Engineering of the ANQUE, Seville, 24-27 Jun, 2012, ISBN ISBN: 988-84-695-353, UDK: T132-T133		
10.	Sokolović D., Šečerov Sokolović R.: NEW TECHNOLOGY FOR HIGH ORGANIC LOAD WASTEWATER TREATMENT, 1. International Congress of Chemical Engineering of the ANQUE, Seville, 24-27 Jun, 2012, ISBN ISBN: 978-84-695-353, UDK: str.T742-T743		





	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		4		
Total of SCI(SSCI) list papers :		5		
Current projects :		Domestic :	1	International : 1

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2>		
UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	



Science, arts and professional qualifications



Name and last name:		Sokolović M. Slobodan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 30.09.2011	
Scientific or art field:		Gas and Petroleum Technics	
Academic carieer	Year	Institution	Field
Academic title election:	1997	Faculty of Technology - Novi Sad	Gas and Petroleum Technics
PhD thesis	1986	Faculty of Technology - Novi Sad	Technological Engineering
Magister thesis	1980	Faculty of Technology - Novi Sad	Technological Engineering
Bachelor's thesis	1970	Faculty of Technology and Metallurgy - Beograd	Technological Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M3315	Fundamentals in Ecological Oil Analysis and Gas Industry	( M30) Energy and Process Engineering, Undergraduate Academic Studies
2.	Z414	Contemporary Methods of Soil Remediation	(Z20) Environmental Engineering, Undergraduate Academic Studies
3.	SZSP09	Remediation of contaminated locations	( Z00) Environmental Engineering, Specialised Academic Studies
4.	ZSP09	Remediation of Contaminated Sites	( Z00) Environmental Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Govedarica D., Šećerov Sokolović R., Sokolović D., Sokolović S.: Evaluation of the Separation of Liquid-Liquid Dispersions by Flow through Fiber Beds, Industrial & Engineering Chemistry Research, (rad prijavčen za štampu 17.11.2012,DOI: 10.1021/ie3026967 )		
2.	Šećerov Sokolović R., Sokolović S., Govedarica D.: Performance of expanded polystyrene particles in deep bed filtration, Separation and Purification Technology, 2009, Vol. 68, No 2, pp. 267-272, ISSN 1383-5866		
3.	Šećerov Sokolović R., Sokolović S., Šević S.: Oily water treatment using a new steady-state fiber-bed coalescer, Journal of Hazardous Materials, 2009, Vol. 162, No. 1, pp. 410-415		
4.	Radmila M. Šećerov Sokolović, Tatjana J. Vulić, Slobodan M. Sokolović, Effect of bed length on steady-state coalescence of oil-in-water emulsion Separation and Purification Technology, 2007,Volume 56, Issue 1, Pages 79-84		
5.	Šećerov Sokolović R, Vulić T., Sokolović S., Effect of Fluid Flow Orientation on the Coalescence of Oil Droplets in Steady-State, Industrial and Engineering Chemistry Research, 2006, vol 45. No.11 pp.3891-3895		
6.	Šećerov Sokolović R., Sokolović S., Effect of the Nature of Different Polymeric Fibers on Steady-State Bed Coalescence of an Oil-in-Water Emulsion Industrial and Engineering Chemistry Research, 2004, vol. 43,br. 20, str. 6490-6495.		
7.	Šećerov Sokolović R., Sokolović S., T., Vulić, R. Marinković Nedučin, Effect of Fibrous Bed Permeability on Steady-State Coalescence Industrial and Engineering Chemistry Research, 2003, vol.42 No.13 3098-3102.		
8.	Sokolović S., Zavargo Z., Sokolović D.: Sustainable Development, Clean Technology And Knowledge From Industry , Thermal Science - International Scientific Journal, 2012, Vol. 16, No 1, ISSN 0354-9836		
9.	Sokolović S., Tehnologija proizvodnje i primene tečnih maziva, 1998		
10.	Šećerov Sokolović R., Sokolović S., Inženjerstvo u zaštiti okoline,Tehnološki fakultet, 2002.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		42	
Total of SCI(SSCI) list papers :		19	
Current projects :		Domestic :	1
		International :	1

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Spasojević Đ. Momčilo	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		11.03.1981	
Scientific or art field:		Process Technics	
Academic carieer	Year	Institution	Field
Academic title election:	2010		Process Technics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Process Technics
Magister thesis	2004	Faculty of Technology - Novi Sad	Technological Engineering
Bachelor's thesis	1978	Faculty of Technical Sciences - Novi Sad	Process Technics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M210	Thermodynamics	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
2.	Z304A	Propagation of disturbances	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
3.	Z306	Process Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z306A	Process Engineering	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	Z311	Process Systems and Equipment	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies (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) Energy and Process Engineering, Undergraduate Academic Studies
9.	M3498	Industrial Process Technology	( M30) Energy and Process Engineering, Undergraduate Academic Studies
10.	M3517	Construction in energy and process engineering	( M30) Energy and Process Engineering, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
11.	Z501	21BProtection System Design	(Z20) Environmental Engineering, Master Academic Studies
12.	Z501	Projektovanje sistema zaštite(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
13.	M3506	Drying Technique	( M30) Energy and Process Engineering, Master Academic Studies
14.	M3511	Diffusion apparatus	( M30) Energy and Process Engineering, Master Academic Studies
15.	M3517	Construction in energy and process engineering	( M30) Energy and Process Engineering, Master Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Sovilj, M., Spasojević, M.: „Production and application of essential oils from the domestic medicinal plant“, Journal of proceess technics and energetics, 5 , 34-38, 2001.		
2.	Đaković, D., Dimić, M., Spasojević, M.: „Possibility of exergy analysis application on thin-layer drying process“ – 4th International Conference on Engineering Technologies ICET 2009, Novi Sad - rad je prihvaćen.		
3.	Spasojević, M.: „Realizacija Vrelovodnog energetskog postrojenja, Novosadska toplana, Novi Sad“, u skladu sa Zakon o planiranju izgradnji. Objekat je od izuzetnog međunarodnog značaja jer je to najveće vrelovodno energetsko postrojenje u Evropi, 2007.god, R51a		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
4.	Spasojević, M.: „Realizacija Poluindustrijskog rektifikacionog postrojenje, Laboratorija Tehnološkog fakulteta u Novom Sadu“, u skladu sa Zakon o planiranju izgradnji. Objekat je od izuzetnog značaja jer je jedinstven u ovom delu Evrope, 1992.god, R51b		
5.	Z.Đaković, D., Spasojević, M., Štrbac, D., Dimić, M., Primena eksergijske analize na proces sušenja kukuruza u tankom sloju, Časopis za procesnu tehniku i energetiku u poljoprivredi / PTEP, Časopis za procesnu tehniku i energetiku u poljoprivredi / PTEP, vol. 12, br. 4, str. 233-235, (2008),		
6.	Spasojević, M., Janković, M., Djaković, D., A new approach to entropy production minimization in diabatic distillation column with trays, is accepted for publication in the journal Thermal Science. Paper will be printed in Vol. 14, No. 4, (2010)		
7.	Sovilj, M., Nikolovski, B., Spasojecić, M., Supercritical carbon dioxide extraction of the selected spice plant materials, 37th International Conference of SSCHE, May 24 - 28, 2010, Tatranské Matliare, Slovak Republic		
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		
10.	Aleksandar Anđelković, Momčilo Spasojević, Heat supply safety in district heating systems of Vojvodina province		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :			
Total of SCI(SSCI) list papers :			
Current projects :	Domestic :		International : <span style="float: right;"></span>

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Šafranĳ F. Jelisaveta	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.10.2000	
Scientific or art field:		English	
Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	English
PhD thesis	2008	Faculty of Philology - Beograd	English
Magister thesis	2000	Faculty of Philology - Beograd	English
Education Specialist Thesis	1994	Faculty of Philology - Beograd	English
Bachelor's thesis	1982	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	( A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	( A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	( A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	( A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	( G00) Civil Engineering, Undergraduate Academic Studies ( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	( 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 ( 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



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
7.	EJ02L	English Language – Pre-Intermediate	( 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 ( 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		
8.	EJ02Z	English Language – Pre-Intermediate	( I10) Industrial Engineering, Undergraduate Academic Studies ( I20) Engineering Management, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies ( S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
9.	EJ03Z	English Language - Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( MR0) Measurement and Control Engineering, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	EJ04L	English Language – Upper Intermediate	( F00) Graphic Engineering and Design, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	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 ( 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		

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
12.	EJ2L	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
13.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	( H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	( G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( 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		Energy and Process Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies		
27.	F320	English Language – ESP Course 1	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
28.	F321	English Language – ESP Course 2	( F00) Graphic Engineering and Design, Undergraduate Academic Studies		
29.	ISIT01	English Language 1	( SII) Software and Information Technologies (Indija), Undergraduate Professional Studies		
30.	ASI381	English language 1	( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
31.	ASI431	English Language 2	( AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
32.	BMI80	English 1	( BM0) Biomedical Engineering, Undergraduate Academic Studies		
33.	BMI81	English 2	( BM0) Biomedical Engineering, Undergraduate Academic Studies		
34.	EJIIM	English for Specific Purposes	( I10) Industrial Engineering, Undergraduate Academic Studies ( 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		
37.	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 ( 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.	EJ2Z	English Language – Intermediate	( E20) Computing and Control Engineering, Undergraduate Academic Studies ( ES0) Power Software Engineering, Undergraduate Academic Studies ( F10) Engineering Animation, Undergraduate Academic Studies ( GI0) Geodesy and Geomatics, Undergraduate Academic Studies ( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
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		
Representative references (minimum 5, not more than 10)					



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering		
Representative references (minimum 5, not more than 10)			
1.	Analiza diskursa udžbenika engleskog jezika, Monografija, Zadužbina Andrejević, Beograd 2006.		
2.	Retorička organizacija poslovne vesti, Monografija, Zadužbina Andrejević, Beograd 2009.		
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' Communicative Competence, Zbornik Instituta za pedagoška istraživanja, 2009, 1, str. 180-195.		
8.	Retorička analiza lida poslovne vesti, Zbornik Matice Srpske za filologiju i lingvistiku, 2011, 1, str.191-210.		
9.	Some Aspects of Technical Statements in Power Engineering, Zbornik radova, XI Međunarodni simpozijum Energetska elektronika Ee 2001, str.150-153.		
10.	Genre Analysis of Research Abstract of an Engineering Scientific Paper, In Proceedings of English Language and Literature Studies: Interfaces and Integrations, 10-12 December 2004, Faculty of Philology, Belgrade, pp.365-374.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		20	
Current projects :		Domestic :	0      International :      1

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Teofanov Đ. Ljiljana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		18.12.1995	
Scientific or art field:		Mathematics	
Academic carier	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2008	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2000	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1994	Faculty of Sciences - Novi Sad	Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	A101	Mathematics	( A00) Architecture, Undergraduate Academic Studies
2.	EE204	Selected Chapters in Mathematics	( MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	GG00	Mathematical Methods 1	( G00) Civil Engineering, Undergraduate Academic Studies
4.	GI101	Algebra	( GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	IAM001	Mathematical Shape Modeling for Computer Animation	( F10) Engineering Animation, Undergraduate Academic Studies
6.	M102	Mathematics 1	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
7.	M106	Mathematics 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
8.	E101A	Discrete Mathematics	( E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	IM1523	Discrete Mathematics	( M30) Energy and Process Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
10.	P216	Numerical Analysis	( P00) Production Engineering, Undergraduate Academic Studies
11.	SE0009	Discrete Mathematics	( SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies ( SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	( E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies ( I12) Industrial Engineering, Specialised Academic Studies ( I22) Engineering Management, Specialised Academic Studies ( Z00) Environmental Engineering, Specialised Academic Studies

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<b>Study Programme Accreditation</b>					
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	IA022	Numerical Optimization	( F20) Engineering Animation, Master Academic Studies		
14.	D0M48	Numerical Methods for Solving Differential Equations	( OM1) Mathematics in Engineering, Doctoral Academic Studies		
15.	DZ01M	Selected Chapters in Mathematics	( E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies ( E20) Computing and Control Engineering, Doctoral Academic Studies ( F00) Graphic Engineering and Design, Doctoral Academic Studies ( F20) Engineering Animation, Doctoral Academic Studies ( G00) Civil Engineering, Doctoral Academic Studies ( G10) Geodesy and Geomatics, Doctoral Academic Studies ( H00) Mechatronics, Doctoral Academic Studies ( 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		
Representative references (minimum 5, not more than 10)					
1.	Surla, K., Teofanov, Lj., Uzelac, A Robust Layer-Resolving Spline Collocation Method for a Convection-Diffusion Problem, Applied Mathematics and Computation,(2009), 208(1): 76-89				
2.	Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters II: robust finite element solution, J. Comput. Appl. Math. Vol. 212, 2008, 374-389				
3.	Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters I: solution decomposition, J. Comput. Appl. Math. Vol. 206, 2007, 1082-1097				
4.	Surla, K., Uzelac, Z., Teofanov, Lj., The discrete minimum principle for quadratic spline discretization of a singularly perturbed problem, Math. Comput. Simul. 2009, Vol. 79, No 8, pp.2490-2505				
5.	Teofanov, Lj., Zarin, H., Superconvergence for two-parameter singularly perturbed problem, BIT Numerical Mathematics, Vol. 49, No. 4, 2009, 743-765				
6.	Vulanović, R., Teofanov, Lj., A uniform numerical method for semilinear reaction-difusion problems with a boundary turning point, Numer. Algor. 54, 2010, 431-444				
7.	Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, Int. J. Comput. Math., Vol. 84, No. 1, 2007, 33-50				
8.	Surla, K., Uzelac, Z., Teofanov, Lj., On collocation methods for singular perturbation problems of convection-diffusion type, Novi Sad J. Math, Vol. 31, No. 1, 2001, 125-132				
9.	Surla, K., Uzelac, Z., Pavlović, Lj., On collocation methods for singular perturbation problems, Novi Sad J. Math., Vol. 30, No. 3, 2000, 173-183				
10.	Čomić, I., Pavlović, Lj., Funkcije više promenljivih, Fakultet tehničkih nauka, Novi Sad, 2000, 95 str.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			12		
Total of SCI(SSCI) list papers :			7		
Current projects :			Domestic :	1	International : 0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Turk-Sekulić M. Maja	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		28.12.2004	
Scientific or art field:		Environment Protection Engineering	
Academic carier	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	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
Bachelor's thesis	2003	Faculty of Technology - Novi Sad	Technological Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	URZP61	Fundamentals of the Burning Processes Theory	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	Z102	Technical Chemistry	(Z20) Environmental Engineering, Undergraduate Academic Studies
3.	Z109	Chemical Principles in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z305	Data Analysis of Environmental Condition	(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z305A	Environmental data analysis	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	Z102	Tehnička hemija(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z109	Hemijski principi u inženjerstvu zaštite životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z151	Chemistry in Mechanical Engineering	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
9.	Z153	Chemistry in Engineering	( Z01) Safety at Work, Undergraduate Academic Studies
10.	Z155	Chemical Principles in Engineering	( Z01) Safety at Work, Undergraduate Academic Studies
11.	Z600	Chemical Phenomena in Engineering	( ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
12.	Z503	Practical Course in Environment Protection	(Z20) Environmental Engineering, Master Academic Studies
13.	Z507	Physical and Chemical Principles	(Z20) Environmental Engineering, Master Academic Studies
14.	ZR504	Protection against Chemical Harms, Fire and Explosion	( OM1) Mathematics in Engineering, Master Academic Studies
15.	Z507	Fizičko hemijski principi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
16.	MPK005	Analysis of environmental protection systems	( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
17.	SZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	( Z00) Environmental Engineering, Specialised Academic Studies
18.	SZSP09	Remediation of contaminated locations	( Z00) Environmental Engineering, Specialised Academic Studies
19.	SZSP17	Savremene instrumentalne metode analize zagađujućih supstanci u životnoj sredini	( Z00) Environmental Engineering, Specialised Academic Studies
20.	ZR504A	Chemical risk assessment of fire and explosion	( Z01) Safety at Work, Master Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES      Energy and Process Engineering</p>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
21.	ZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	( Z00) Environmental Engineering, Doctoral Academic Studies
22.	ZD003	Applied Analysis of Physical and Chemical Parameters	( OM1) Mathematics in Engineering, Doctoral Academic Studies ( Z00) Environmental Engineering, Doctoral Academic Studies ( Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Turk, M., Jakšić, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from 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, Rasprostriranje, 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/JSC100616037R		
6.	Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Šenk N., Okuka M.: Assessment of Atmospheric Distribution of Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons Using Polyparameter Model, Hemijska industrija, 2011, Vol. 65, No 4, pp. 371-380, ISSN 0367-598X, UDK: 504.5(497.11):547.621		
7.	Radonić (Jakšić) J., Čulibrk D., Vojinović-Miloradov M., Kukić B., Turk Sekulić M.: Prediction of gas-particle partitioning of PAHs based on M5' model trees, Thermal Science, 2011, Vol. 15, No 1, pp. 115-124, ISSN 0354-9836, UDK: doi: 10.2298/TSCI100809005R		
8.	Grujić Letić N., Milić N., Turk Sekulić M., Radonić (Jakšić) J., Milanović M., Mihajlović I., Vojinović-Miloradov M.: Quantification of emerging organic contaminants in the Danube River samples by HPLC, Chemicke Listy, 2012, Vol. 106, pp. 264-266, ISSN 1213-7103		
9.	Milić N., Milanović M., Grujić Letić N., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Vojinović-Miloradov M.: Occurrence of antibiotics as emerging contaminant substances in aquatic environment DOI: 10.1080/09603123.2012.733934, INT J ENVIRON HEAL R, 2012, pp. 1-15, ISSN 0960-3123		
10.	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		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		8	
Current projects :		Domestic :	2      International :      3







	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Ubavin M. Dejan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.08.2005	
Scientific or art field:		Environment Protection Engineering	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
Bachelor's thesis	2004	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	Z205	Sustainable Use of Natural Resources and Environmental Protection System	( G10) Geodesy and Geomatics, Undergraduate Academic Studies ( Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
2.	Z309A	Solid Waste Management	( Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
3.	Z401A	Design and Planning in Environmental Protection	(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z401B	Design and Planning in Environmental Engineering	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	Z409A	Hazardous Waste Management and Recycling Technologies	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z414	Contemporary Methods of Soil Remediation	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	OAS214	Integralni katastar zagađivača(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z309A	Upravljanje čvrstim otpadom(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	M3202	Identification and reduction of pollution from industry	( M30) Energy and Process Engineering, Undergraduate Academic Studies
10.	ZC047	Waste to energy technologies	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
11.	Z452	Design and maintenance of quality control in environmental engineering	( M40) Technical Mechanics and Technical Design, Master Academic Studies
12.	Z508	Specific Design Conditions in Environment Protection	(Z20) Environmental Engineering, Master Academic Studies
13.	Z511	Institutional Framework for Accidental Risk Management	(Z20) Environmental Engineering, Master Academic Studies
14.	ZR501	Hazardous Materials and Hazardous Waste	( Z01) Safety at Work, Master Academic Studies
15.	ZR502	Occupational Risk Assessment	( Z01) Safety at Work, Master Academic Studies
16.	Z508	Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
17.	Z511	Institucionalni okviri upravljanja akcidentnim rizicima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
18.	GH508	Landfill desing and municipal waste treatmant systems	(G00) Civil Engineering, Master Academic Studies
19.	MPK027	Management of environmental facilities	( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
20.	SZSP21	Design and Planning Processes to Minimize Waste and Hazardous Materials	( Z00) Environmental Engineering, Specialised Academic Studies
21.	ZD052	Efficient Use of Natural Resources and Low-Carbon Development	( Z00) Environmental Engineering, Doctoral Academic Studies
22.	ZDI23	Material Flow Analysis in Urban Systems	( Z00) Environmental Engineering, Doctoral Academic Studies





	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
23.	ZSP21	Design and Planning Processes to Minimize Waste and Hazardous Materials	( OM1 ) Mathematics in Engineering, Doctoral Academic Studies ( Z00 ) Environmental Engineering, Doctoral Academic Studies ( Z01 ) Safety at Work, Doctoral Academic Studies
24.	ZRD213	Current state and development tendencies of quality management of work environment	( Z01 ) Safety at Work, Doctoral Academic Studies
25.	ZRD231	Economic implication of occupational health and safety projects implementation	( Z01 ) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Stanisavljević N., Ubavin D., Batinić B., Fellner J., Vujić G.: Methane emissions from landfills in Serbia and potential mitigation strategies: a case study, WASTE MANAGE RES, 2012, ISSN 0734-242X		
2.	Vukmirović G., Vukmirović S., Vujić G., Stanisavljević N., Ubavin D., Batinić B.: Using ANN model to determine future waste characteristics in order to achieve specific waste management targets -case study of Serbia, Journal of Scientific and Industrial Research (JSIR), 2011, Vol. 70, No 07, pp. 513-518, ISSN 0022-4456		
3.	Vujić G., Jovičić N., Maja Đ., Ubavin D., Nakomčić Smaragdakis B., Gordana J., Dušan G.: INFLUENCE OF AMBIENCE TEMPERATURE AND OPERATIONAL - CONSTRUCTIVE PARAMETERS ON LANDFILL GAS GENERATION - CASE STUDY NOVI SAD, Thermal Science - International Scientific Journal, 2010, Vol. 14, No 2, pp. 555-564, ISSN 0354-9836, UDK: 547.211:631.41		
4.	Vujić B., Milovanović D., Ubavin D.: Analiza koncentracionih nivoa čestičnih materija (PM10, ukupnih suspendovanih čestica i čađi) u Zrenjaninu, Hemijska industrija, 2010, Vol. 64, No 5, pp. 453-458, ISSN 0367-598X		
5.	Landfill gas modelling and risk assessment in the purpose of the good managing in municipal landfill of Novi Sad - CHISA 2004, 16th International Congress of Chemical and Process Engineering, Prague, Czech Republic, August 2004		
6.	Analysis of location for building objects; - Sixth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States (Prague 2003), Czech Republic, September 2003		
7.	Vujić, G. Batinić, B. Ubavin, D. Stanisavljević. N., Analysis of municipal waste content & waste amount as the basis for the new waste management policy in Vojvodina, Serbia, ISWA/WMRAS World Congress, Singapore: ISWA, 03. - 06. Novembar, 2008.		
8.	Ubavin D., Vujić G., Stanisavljević N., Batinić B., Miroslavljević Z.: National Methane Emissions from Waste Disposal Sites in Serbia, 1. The ISWA 2012 World Solid Waste Congress, Florence: ISWA, 17-19 Septembar, 2012, pp. 1279-1287, ISBN 978-88-907694-2-9		
9.	Stanisavljević N., Jokanović S., Batinić B., Ubavin D., Vujić G.: Evaluation of Different Waste Management Options for South East Europe, Exemplified for The City of Novi Sad, 1. The ISWA 2012 World Solid Waste Congress, Florence: ISWA, 17-19 Septembar, 2012, pp. 1266-1272, ISBN 978-88-907694-2-9		
10.	Batinić B., Ubavin D., Stanisavljević N., Vujić G., Tot B.: Analysis of relation between socioeconomic factors and MSW practice using ANN models, 1. The ISWA 2012 World Solid Waste Congress, Florence: ISWA, 17-19 Septembar, 2012, ISBN 978-88-907694-2-9		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		3	
Total of SCI(SSCI) list papers :		4	
Current projects :		Domestic :	3 International : 0

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 <b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>	
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Science, arts and professional qualifications



Name and last name:		Uzelac N. Dušan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 09.11.1973	
Scientific or art field:		Applied Fluid Mechanics - Hydro Pneumatic Technics	
Academic carieer	Year	Institution	Field
Academic title election:	2002	Faculty of Technical Sciences - Novi Sad	Applied Fluid Mechanics - Hydro Pneumatic Technics
PhD thesis	1991	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Magister thesis	1981	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Bachelor's thesis	1973	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M3301	Pumping and Compression Stations	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	M3306	Devices for Mechanical Purification	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
3.	M3403	Fluid Machines	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3404	Hydropneumatic Components	( M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	M3452	Gas equipment	( M30) Energy and Process Engineering, Undergraduate Academic Studies
6.	M3496	Pipeline Transportation	( M30) Energy and Process Engineering, Undergraduate Academic Studies
7.	GH503	Hydro Mechanical Machinery	(G00) Civil Engineering, Master Academic Studies
8.	M3516	Hidropneumatic systems	( M30) Energy and Process Engineering, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Univerzitetski udžbenik HIDROPNEUMATSKE KOMPONENTE, godina izdanja 1995, izdavač STYLOS, Novi Sad		
2.	Priručnik KURS ZA RUKOVOĐENJE I ODRŽAVANJE CEVOVODA, UREĐAJA I POSTROJENJA ZA PRIRODNI GAS, FTN, Novi Sad, 2002		
3.	Skripta PUMPNE I KOMPRESORSKE STANICE, (autorizovana predavanja ), FTN, Novi Sad, 2000		
4.	D. Uzelac, S. Tašin, Solving Flow Field in Centrifugal Impellers of Flow Machines by Applying Boundaru Elements Methods, Facta Universitatis, Vol 1, No3, Niš, 1996		
5.	Uzelac D., Šostakov R., Milisavljević B., Tašin S., Boundaru Elements Method Applied in Analysis of Flow Field in Turbomachines, Applied&Computing Mathematics, Vol 1, Košice,1997		
6.	Uzelac D., Šostakov R., Tašin S., Starting of an Electric Motor Drive with Hydrodynamic Coupling, Facta Universitatis, Vol 1, No5, Niš, 1998		
7.	Šostakov R., Uzelac D., Časnji F., Surveying The Transsient Operating Egimes of a Driving Mechanism Wiht a Hydrodynamic Coupling, Mobility&Vehicles Mechanics, Kragujevac, 1999		
8.	Uzelac, D., Tašin, S.: Delimična automatizacija dvolinijske gasne stanice, Termotehnika 1-4, Beograd, 1998		
9.	Šostakov R., Uzelac D., Brkljač N., ON A METHOD FOR REPRESENTING THE MACHINE DRIVING SYSTEMS OPERATION IN TRANSIENT REGIMES IN AN EASY-TO-SURVEY MANNER FOR PRACTICE AND EDUCATION, Machine Desing, Novi Sad, 2007		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0 International : 0

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:			Vičević D. Marija
Academic title:			Assistant Professor
Name of the institution where the teacher works full time and starting date:			Faculty of Technical Sciences - Novi Sad
			01.09.2009
Scientific or art field:			Gas and Petroleum Technics
Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Gas and Petroleum Technics
PhD thesis	2004	Essex university - Nepoznato	Technological Engineering
Bachelor's thesis	1997	Faculty of Technology and Metallurgy - Beograd	Technological Engineering
Magister thesis	-		Technological Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M3451	Natural Gas and Oil Preparation Equipment	( M30) Energy and Process Engineering, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	M3507	Combustion Technology	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
3.	M3201	Fuels and lubricants	( M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3507	Combustion technology	( M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	M3555	Bioenergy Fuels and Alternative Processes	( ZC0) Clean Energy Technologies, Master Academic Studies
6.	M3512	Combustion	( M30) Energy and Process Engineering, Master Academic Studies
7.	M3514	Engineering application programmes	( M30) Energy and Process Engineering, Master Academic Studies
8.	M3555	Bioenergy Fuels and Alternative Processes	( M30) Energy and Process Engineering, Master Academic Studies
9.	DM313	Process Kinetics	( M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Boodhoo K., Cartwright C., Vičević M., Prieto M., Tortajada M.: Development of a Hige bioreactor (HBR) for production of polyhydroxyalkanoate: Hydrodynamics, gas–liquid mass transfer and fermentation studies, CHEMICAL ENGINEERING AND PROCESSING, 2010, Vol. 49, No 7, pp. 748-758, ISSN 0255-2701		
2.	Vičević M., Novaković K., Boodhoo K., Morris J.: Kinetics of Styrene Free Radical Polymerisation in the Spinning Disc Reactor , Chem. Eng. J., 2008, Vol. 135, No 1-2, pp. 78-82, ISSN 1385-8947		
3.	Boodhoo K., Vičević M., Boodhoo C., Ndlovu T., Toogood E.: Intensification of gas–liquid mass transfer using a rotating bed of porous packings for application to an E. coli batch fermentation process, Chem. Eng. J., 2008, Vol. 135, No 1-2, pp. 141-150, ISSN 1385-8947		
4.	Vičević M., Boodhoo K., Scott K.: Catalytic Isomerisation of alpha-pinene oxide to campholenic aldehyde using silica supported zinc triflate catalysts: II. Performance of immobilised catalysts in a continuous Spinning Disc Reactor, Chem. Eng. J., 2007, Vol. 133, pp. 43-57, ISSN 1385-8947		
5.	Vičević M., Boodhoo K., Scott K.: Catalytic isomerisation of alpha-pinene oxide to campholenic aldehyde using silica supported zinc triflate catalysts: I. Kinetic and thermodynamic studies , Chem. Eng. J., 2007, Vol. 133, pp. 31-41, ISSN 1385-8947		
6.	Boodhoo K., Dunk W., Vičević M., Jachuck R., Sage V., Macquarrie D., Clark J.: Classical cationic polymerization of styrene in a spinning disc reactor using silica-supported BF3 catalyst , Journal of Applied Polymer Science, 2006, Vol. 101, No 1, pp. 8-19		
7.	Vičević M., Jachuck R., Scott K., Clark J., Wilson K.: Rearrangement of alpha-pinene oxide using supported catalyst in a spinning disc reactor, Green Chem., 2004, Vol. 6, No 10, pp. 533-537, ISSN 1463-9262		
8.	Milojević Z., Navalusić S., Zeljković M., Vičević M., Beju L.: Haptic interaction program systems development as a part of virtual environment, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 61-66, ISSN 1583-7904		
9.	Milojević Z., Navalusić S., Zeljković M., Vičević M., Beju L.: EXAMPLES OF DEVELOPMENT OF PROGRAM SYSTEMS WITH HAPTIC INTERACTION, 5. International Conference on Manufacturing Science and Education - MSE, Sibiu, 2-5 Jun, 2011		
10.	Vičević M., Novaković K., Boodhoo K., Morris J.: Autori: M. Vicevic, K. Novakovic, 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		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :			14

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	<b>Study Programme Accreditation</b> UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span>				
Total of SCI(SSCI) list papers :		7			
Current projects :	Domestic :	1	International :	0	



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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### Science, arts and professional qualifications



Name and last name:		Vilotić Ž. Dragiša	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.01.1975	
Scientific or art field:		Plastic Deformation Technology, Rapid Prototyping, Virtual	
Academic carier	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	1981	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Bachelor's thesis	1974	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual

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

	ID	Course name	Study programme name, study type
1.	P207	Metal forming	( P00) Production Engineering, Undergraduate Academic Studies
2.	P2401	Advanced Methods in Metal Forming	( P00) Production Engineering, Undergraduate Academic Studies
3.	P2413	Computer Aided Design of Tools and Dies for Metal Forming	( P00) Production Engineering, Undergraduate Academic Studies
4.	P303	Machines for Processing by Deforming	( P00) Production Engineering, Undergraduate Academic Studies
5.	P3403	Technology of Plastic Forming - Shaping of plastic material	( P00) Production Engineering, Undergraduate Academic Studies
6.	P3503	Machines and Devices for Plastic Processing	( P00) Production Engineering, Undergraduate Academic Studies
7.	M2062	Mechanical engineering technologies 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	M3203	Technology of machinery	( M30) Energy and Process Engineering, Undergraduate Academic Studies
9.	P3402	Physical and Phase States of Polymers	( P00) Production Engineering, Undergraduate Academic Studies
10.	ZR408A	Safety at work on the machines for processing	( Z01) Safety at Work, Undergraduate Academic Studies
11.	P2407	Rapid Prototyping and Rapid Tooling	( PM0) Production Engineering, Master Academic Studies
12.	P3501	Tool Designing for Plastic	( PM0) Production Engineering, Master Academic Studies
13.	P3503A	Contemporary Process Systems for Plastic Treatment	( PM0) Production Engineering, Master Academic Studies
14.	BMIM4B	Technologies of shaping biomedical materials	( BM0) Biomedical Engineering, Master Academic Studies ( PM0) Production Engineering, Master Academic Studies
15.	PMISP1	Modelling and Simulation of Metal Forming Processes	( PM0) Production Engineering, Master Academic Studies
16.	PTS01	Technology of sintering	( PM0) Production Engineering, Master Academic Studies
17.	DP001	Design and Research Methods in Production Engineering	( M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP005	State and Tendencies in Development of Metrology, Quality and Equipment	( M00) Mechanical Engineering, Doctoral Academic Studies
19.	DP008	Contemporary Methods and TPD Systems	( M00) Mechanical Engineering, Doctoral Academic Studies
20.	DP012	Physical Modelling and TPD Simulation by Computers	( M00) Mechanical Engineering, Doctoral Academic Studies
21.	DP015	Nonconventional Procedures of Forming in TPD	( M00) Mechanical Engineering, Doctoral Academic Studies

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
22.	SID04	Current State in the Field	(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 (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		
23.	DP026	Modern methods for polymers investigation	(M00) Mechanical Engineering, Doctoral Academic Studies		
24.	DP028	Theoretical basis for forming polymer technology	(M00) Mechanical Engineering, Doctoral Academic Studies		
25.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Essa K., Kačmarčik I., Hartley P., Plančak M., Vilotić D.: Upsetting of bi-metallic ring billets, Journal of Materials Processing Technology, 2012, Vol. 212, No 4, pp. 817-824, ISSN 0924-0136				
2.	Alexandrov S., Vilotić D., Konjovčić Z., Vilotić M.: An Improved Experimental Method for Determining the Workability Diagram, Experimental Mechanics, 2012, Vol. 52, No 11340, ISSN 0014-4851				
3.	Alexandrov S., Vilotić D.: A study on an effect of geometric singularities on ductile fracture, Engineering Fracture Mechanics, 2009, Vol. 76, No 14, pp. 2309-2315, ISSN 0013-7944				
4.	Vilotić D., Plančak M., Čupković Đ., Aleksandrov S., Aleksandrov N.: Free Surface Fracture in Three Upsetting Tests, Experimental Mechanics, 2006, Vol. 46, pp. 115-120, ISSN 0014-4851				
5.	Plančak M., Hartley P., Essa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International, 2012, pp. 1247-1250, ISSN 1611-3683				
6.	Vilotić D., Alexandrov S., Plančak M., Vilotić M., Ivanišević A., Kačmarčik I.: Material Formability at Upsetting by Cylindrical and Flat Dies, Steel Research International, 2012, pp. 1175-1178, ISSN 1611-3683				
7.	Vilotić D., Alexandrov S., Plančak M., Movrin D., Ivanišević A., Vilotić M.: Material Formability of Upsetting by V-Shape Dies, Steel Research International, 2011, pp. 923-928, ISSN 1611-3683				
8.	Lyamina E., Alexandrov S., Vilotić D., Movrin D.: Effect of Shape of Samples on Ductile Fracture Initiation in Upsetting, Steel Research International, 2010, Vol. 9, No 81, pp. 306-309, ISSN 1611-3683				
9.	D. Vilotić, D. Milikić, M. Plančak, M. Milutinović: Obrazovanje inženjera proizvodnog mašinstva iz oblasti oblikovanja plastike na Fakultetu tehničkih nauka u Novom Sadu, 4. kongres inženjera plastičara i gumara K – IPG 2006., zbornik na CDu, ppt 100 slajdova, Vršac, 13-16. juni 2006.				
10.	Obradović R., Vilotić D.: Prikaz tehnologije i opreme za za ultrazvučno zavarivanje termoplastičnih komponenata, Zbornik radova MMA 2006, strana 27-28, FTN, Novi Sad, juni 2006.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			17		
Total of SCI(SSCI) list papers :			15		
Current projects :			Domestic :	1	International : 1







	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Vrgović D. Petar	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2006	
Scientific or art field:		Industrial Engineering and Engineering Management	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Industrial Engineering and Engineering Management
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2009	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	2005	Faculty of Philosophy - Novi Sad	Psychological Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	I409	Psychology in Management	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	II934	Psychology of Work	( SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
3.	IM1017	Communicology	( I20) Engineering Management, Undergraduate Academic Studies
4.	IM1052	Engineering Ethics	( I20) Engineering Management, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	IM1621	Quality in individual work	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1913	Research Methodology for Human Resources 1	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1915	Employee protection	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1918	Conflict Management	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1922	Value management	(I20) Engineering Management, Undergraduate Academic Studies
10.	IMDS11	Employees' creativity management	( I22) Engineering Management, Specialised Academic Studies
11.	MBA308	Business communication	( IB0) Engineering Management - MBA, Specialised Professional Studies
12.	NIT04	Communication Skills	( NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
13.	IM2214	Creative Problem Solving	(I20) Engineering Management, Master Academic Studies
14.	IM2917	Creative potentials management	(I20) Engineering Management, Master Academic Studies
15.	IM2918	Human Resources Research Methodology 2	(I20) Engineering Management, Master Academic Studies
16.	IM2920	Personnel Management	( M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
17.	IMDS77	Selected Chapters from Human Resource Management	( I22) Engineering Management, Specialised Academic Studies
18.	IMDR10	COGNITIVE MANAGEMENT	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
19.	IMDR11	Employees' creativity management	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
20.	IMDR77	Selected Chapters from Human Resource Management	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
21.	IMDR84	Data ACQUISITION, ANALYSIS AND INTERPRETATION 1	( I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			





	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
Representative references (minimum 5, not more than 10)			
1.	Vrgović P., Glassman B., Walton A., Vidicki P.: Open innovation for SMEs in developing countries – an intermediated communication network model for collaboration beyond obstacles, Innovation-Management Policy and Practice, 2012, Vol. 14, No 3, pp. 290-302, ISSN 1447-9338		
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-Stanulović, N., Vrgović, P. (2009) Komunikologija za menadžere. Fakultet tehničkih 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., Kovačević J., Mihailović D.: Effective communication and idea generation, 5. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Fakultet tehničkih nauka, 19-21 Septembar, 2012, pp. 261-265, ISBN 978-86-7892-432-3.		
7.	Vrgović P., Mihailović D.: Idea management in a developing country with transition economy: good intention, bad communication, 13. International symposium SymOrg, Zlatibor: Fakultet organizacionih nauka, 5-9 Jun, 2012, pp. 320-328, ISBN 978-86-7680-255-5.		
8.	Vrgović P., Antonova A., Vidicki P.: Limiting innovation gaps - Building communication bridges between inventors and SMEs in developing countries, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 437-441, ISBN 978-86-7892-341-8.		
9.	Vrgović Petar, Glassman Brian, Walton Abram, Vidicki Predrag, Suzić Nikola. (2010) Market Driven Inventions in SMEs - A Model for Growing Economies by Connecting Entrepreneurial Inventors with Local Companies. International Conference on Entrepreneurship, Innovation and Regional Development, p 810-817. ICEIRD (3; Novi Sad; 2010 ). ISBN 978-86-7892-250-3		
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.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		1	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> <span>0</span> <span>International : 0</span> </div>

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications



Name and last name:		Vujić V. Goran	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 20.02.1999	
Scientific or art field:		Environment Protection Engineering	
Academic carier	Year	Institution	Field
Academic title election:	2012		Environment Protection Engineering
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E0S42	Renewable sources and environmental protection	( E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	Z204A	Monitoring of the Living Environment	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
3.	Z309A	Solid Waste Management	( Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z401A	Design and Planning in Environmental Protection	(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z401B	Design and Planning in Environmental Engineering	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	Z409A	Hazardous Waste Management and Recycling Technologies	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	OAS214	Integralni katastar zagađivača(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z101	Uvod i principi zaštite okruženja(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	Z205	Održivo korišćenje prirodnih resursa i sistem zaštite životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	Z309A	Upravljanje čvrstim otpadom(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	Z401A	Projektovanje i planiranje u zaštiti životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
12.	Z409A	Upravljanje opasnim otpadom(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
13.	M3202	Identification and reduction of pollution from industry	( M30) Energy and Process Engineering, Undergraduate Academic Studies
14.	ZC047	Waste to energy technologies	( ZC0) Clean Energy Technologies, Undergraduate Academic Studies
15.	Z452	Design and maintenance of quality control in environmental engineering	( M40) Technical Mechanics and Technical Design, Master Academic Studies
16.	Z508	Specific Design Conditions in Environment Protection	(Z20) Environmental Engineering, Master Academic Studies
17.	Z511	Institutional Framework for Accidental Risk Management	(Z20) Environmental Engineering, Master Academic Studies
18.	ZR501	Hazardous Materials and Hazardous Waste	( Z01) Safety at Work, Master Academic Studies
19.	Z508	Specifični uslovi projektovanja u zaštiti životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
20.	GH508	Landfill desing and municipal waste treatmant systems	(G00) Civil Engineering, Master Academic Studies
21.	MPK012	Solid waste management	( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
22.	MPK014	Monitoring and system control	( MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
23.	PIP16	Plastics and environmental protection	( PM0) Production Engineering, Master Academic Studies

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<b>Study Programme Accreditation</b>					
UNDERGRADUATE ACADEMIC STUDIES			Energy and Process Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
24.	SZD042	Models of economic evaluation of environmental projects	( Z00) Environmental Engineering, Specialised Academic Studies		
25.	SZD051	Applications of optimal control theory in living environment protection	( Z00) Environmental Engineering, Specialised Academic Studies		
26.	SZDI23	Material Flow Analysis in Urban Systems	( Z00) Environmental Engineering, Specialised Academic Studies		
27.	SZSP21	Design and Planning Processes to Minimize Waste and Hazardous Materials	( Z00) Environmental Engineering, Specialised Academic Studies		
28.	ZCM06	Security of strategic energy facilities	( ZC0) Clean Energy Technologies, Master Academic Studies		
29.	ZD051	Applications of optimal control theory in living environment protection	( Z00) Environmental Engineering, Doctoral Academic Studies		
30.	ZDI23	Material Flow Analysis in Urban Systems	( Z00) Environmental Engineering, Doctoral Academic Studies		
31.	ZDO42	Models of Economic Evaluation of Projects for Environment Protection	( OM1) Mathematics in Engineering, Doctoral Academic Studies ( Z00) Environmental Engineering, Doctoral Academic Studies		
32.	ZSP20	Systemic Regulation of Environment	( G00) Civil Engineering, Doctoral Academic Studies		
33.	ZSP21	Design and Planning Processes to Minimize Waste and Hazardous Materials	( OM1) Mathematics in Engineering, Doctoral Academic Studies ( Z00) Environmental Engineering, Doctoral Academic Studies ( Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Vujić, G., Pešenjanski, I.: Combustion chamber for stawn bals, Fifth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2000.				
2.	Vujić, G., Marinić, I., Bašić, Đ.: Waste Separation and Recicling Methods, Which Are The Most Suitable For City of Novi Sad, Sixth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2003.				
3.	Vujić, B., Vujić, G.: Environmental due diligence and its appliance in specific national environmental condition in Serbia&Montenegro, Sixth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2003.				
4.	Jezdimirovic.I.A., Vujic,G., Mudric, J.: Special Conditions of Raw and Drinking Water management, Sixth International Symposium and Exhibition on Environmental Contamination in central and Eastern Europe, Prague 2003.				
5.	Vujić, G., Bašić, Đ. Mihajlov, A.: Process of privatisation and environment in Serbia and Montenegro, PSU-UNS conference, HAT-YAI, Thailand, 16-18 december. 2003.				
6.	Vujić, G., Vojinović-Miloradov M., Bašić, Đ., Vujić,B., Čabradi, G., Tomašević, B.: Landfill gas modelling and risk assessment in the purpose of the good managing in municipal landfill of Novi Sad, CHISA 2004, 22-26,08.2004.Prague, Czech Republic.				
7.	Ubavin, D., Vujić, G., Bašić, Đ.:Landfill gas extraction and collection systems; PSU-UNS International Conference On Engineering And Environment - ICEE-2005, Novi Sad 19-21 May, 2005.				
8.	Ubavin, D., Vujić, G., Mihajlov, A., Bašić, Đ.: Gas to energy opportunity on landfill in city of Novi Sad – Serbia and Montenegro D. Faculty of Technical Sciences, Novi Sad, Serbia and Montenegro, World Congress and Exhibition "ISWA 2005", November 6.-10. 2005. Buenos Aires, Argentina Ref No 194, Proceedings p.82				
9.	Marjanović, D., Vujić, G , Mihajlović, V., Ubavin, D.: Selection of Technology and Public Opinion as Key Factors in Regional Landfill Location Selection, PSU-UNS International Conference on Engineering and Environment - ICEE-2007, Phuket May10-11, 2007. Proceedings CD ICCEE2007149				
10.	Vujić, G , Mihajlović, V., Ubavin, D.: Possibilities for Landfill Gas Usage at Novi Sad Landfill, PSU-UNS International Conference on Engineering and Environment - ICEE-2007, Phuket May10-11, 2007. Proceedings CD ICCEE2007150				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			0		
Total of SCI(SSCI) list papers :			0		
Current projects :			Domestic :	1	International : 1



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>		
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Science, arts and professional qualifications

Name and last name:		Zuković M. Miodrag	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.12.1995	
Scientific or art field:		Mechanics	
Academic career	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	2000	Faculty of Technical Sciences - Novi Sad	Mechanics
Bachelor's thesis	1994	Faculty of Technical Sciences - Novi Sad	Mechanics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IAKI01	Selected Chapters in Kinematics	( F10) Engineering Animation, Undergraduate Academic Studies
2.	M103	Mechanics 1	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
3.	M107	Mechanics 2	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
4.	M201	Mechanics 3	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
5.	M2411	Theory of Oscillation	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
6.	M4301	Computer Methods in Mechanics	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	Z108	Fundamentals of Mechanics	( Z01) Safety at Work, Undergraduate Academic Studies ( ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
8.	BMI127	Biomechanics	( BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	M44061	Optimization of mechanical systems	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
10.	BMIM4A	Transport phenomena and Living systems	( BM0) Biomedical 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 dynamics of mechanical systems	( M40) Technical Mechanics, Doctoral Academic Studies
Representative references (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,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,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(SSCI) list papers :		7	
Current projects :		Domestic :	International :
		1	0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;"><b>Study Programme Accreditation</b></p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES <span style="float: right;">Energy and Process Engineering</span></p>	
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Science, arts and professional qualifications

Name and last name:		Žigić M. Miodrag	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2007	
Scientific or art field:		Mechanics	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Mechanics
Bachelor's thesis	2004	Faculty of Technical Sciences - Novi Sad	Mechanics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GG15	Strength of Materials	( G00) Civil Engineering, Undergraduate Academic Studies
2.	GG410	Selected Chapters in the Theory of Elasticity	(G00) Civil Engineering, Undergraduate Academic Studies
3.	H112	Mechanics 1 – Fundamentals	( H00) Mechatronics, Undergraduate Academic Studies ( S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	H201	Mechanics 2 - General	( H00) Mechatronics, Undergraduate Academic Studies
5.	H202	Strength of materials	( H00) Mechatronics, Undergraduate Academic Studies
6.	H303	Mechatronics 3 – Further Chapters	( H00) Mechatronics, Undergraduate Academic Studies
7.	M204	Strength of Materials	( M20) Mechanization and Construction Engineering, Undergraduate Academic Studies ( M30) Energy and Process Engineering, Undergraduate Academic Studies ( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies ( P00) Production Engineering, Undergraduate Academic Studies
8.	M4302	Biomechanics and mechanics of sport	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	M4306	Similarity and dimensional methods	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
10.	BMI128	Continuum Biomechanics	( BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	II1004	Mechanics and Industrial Engineering	( I10) Industrial Engineering, Undergraduate Academic Studies
12.	M44061	Optimization of mechanical systems	( M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
13.	M4504	Thermal Elasticity	( M40) Technical Mechanics and Technical Design, Master Academic Studies
14.	BMIM4A	Transport phenomena and Living systems	( BM0) Biomedical Engineering, Master Academic Studies
15.	M45991	Biomechanics of cardiovascular system	( M40) Technical Mechanics and Technical Design, Master Academic Studies
16.	SZD051	Applications of optimal control theory in living environment protection	( Z00) Environmental Engineering, Specialised Academic Studies
17.	DM801	Biomedical mechanics	( M40) Technical Mechanics, Doctoral Academic Studies
18.	DTM02	Theory of impact	( H00) Mechatronics, Doctoral Academic Studies ( M00) Mechanical Engineering, Doctoral Academic Studies ( M40) Technical Mechanics, Doctoral Academic Studies ( S00) Traffic Engineering, Doctoral Academic Studies
19.	DTM03	Biomechanical models and analysis of impact	( M40) Technical Mechanics, Doctoral Academic Studies
20.	ZRD16A	Selected chapters in mechanics and elasticity theory	( Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	N. M. Grahovac, M. M. Zigic: Modelling of the hamstring muscle group by use of fractional derivatives, Computers and Mathematics with applications, Vol. 59, Issue 5 (2010), 1695-1700.		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> <span>UNDERGRADUATE ACADEMIC STUDIES</span> <span>Energy and Process Engineering</span> </div>			
Representative references (minimum 5, not more than 10)				
2.	N. Grahovac., M. Žigić, D. Spasić, On impact scripts with both fractional and dry friction type of dissipation, International Journal of Bifurcation and Chaos, Vol. 22, No 4 (2012), 1250076 (10 pages).			
3.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180, UDK: 531/534(082), ISBN 978-86-909973-0-5.			
4.	M. M. Žigić, N. M. Grahovac and D. T. Spasić: A simplified earthquake dynamics of a column like structure with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 165- 172, UDK: 531/534(082), ISBN 978-86-909973-0-5.			
5.	Grahovac N., Žigić M: Fractional derivative viscoelastic model of the hamstring muscle group, 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey: 05-07 november, 2008.			
6.	M. M. Zigić, Viscoelastic response of the human hamstring muscle during a ramp-and-hold type of experiment, 2nd International Congress of Serbian Society of Mechanics, Palic: Serbian Society of Mechanics, 01-05 June, 2009, str. 165-173, UDK: 531/534(082), ISBN 978-86-7892-173-5.			
7.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010			
8.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)			
9.	Bačlić B., Žigić M., Phase spaces of rheonomic energy-like conservation laws, 25th Yugoslav Congress on Theoretical and Applied Mechanics, 1-3 June, 2005.			
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov's Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	5			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	1	International :	0





## Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

### Standard 10. Organizational and Material Resources

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

Lectures are held in amphitheatres, classrooms, computer and specialized laboratories. The library has over 100 bibliographical units relevant for the study programme Energy and Process Engineering. There is also adequate equipment for all courses with the appropriate textbook literature, devices and supplementary equipment available on time and in a sufficient number for normal performance of the teaching process. Thereby, the adequate information technology is also provided.

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



## Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Energy and Process Engineering

### Standard 11. Quality Control

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

Quality checks of curriculum are being implemented through:

- students' questionnaires at the end of the teaching process in respect of the given course.
- graduates' questionnaires on the occasion of receiving diplomas, regarding the quality of curriculum and logistic support of studies, place of studies (cleanness and tidiness of classrooms, hygiene nodes, ...)
- Students' questionnaires during the academic year validation.
- Students' questionnaires when enrolling the academic year. The students then assess the degree program which they ended in the previous year.
- questionnaires of the teaching and administrative staff on the quality of curriculum and logistics that are supporting the studies. In this questionnaire, the Dean, student services, libraries, and other departments of the Faculty are evaluated. Besides, the comfort of the studying is also assessed (cleanness and tidiness of classrooms...)

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



**Study Programme Accreditation**  
UNDERGRADUATE ACADEMIC STUDIES Energy and Process Engineering

Standard 12. Distance Education

Distance learning is not provided for.