

	<p>UNIVERSITY OF NOVI SAD</p> <p>FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p>Study Programme Accreditation</p> <p>MASTER ACADEMIC STUDIES Mathematics in Engineering</p>		
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STUDY PROGRAMME ACCREDITATION MATERIAL:

MATHEMATICS IN ENGINEERING

MASTER ACADEMIC STUDIES

Novi Sad

2012.

Prevod sa srpskog jezika:

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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>	9
<u>Professional Internship</u>	9
<u>Functional Analysis</u>	10
<u>Partial Differential Equations</u>	11
<u>Combinatorics and Graph Theory</u>	12
<u>Stochastic Processes</u>	13
<u>Semantics of Programming Languages</u>	14
<u>Logic in Computer Science</u>	15
<u>Mathematical Foundations of Fuzzy Systems</u>	16
<u>Applied Abstract Algebra</u>	17
<u>Geometry</u>	18
<u>Introduction to Functional Programming Languages</u>	19
<u>Numerical Analysis</u>	20
<u>Management of strategic and operational risks of insurance companies</u>	21
<u>Operational Research</u>	22
<u>Models of Computation</u>	23
<u>Numerical Solutions of Differential Equations</u>	24
<u>Actuerial Mathematics</u>	25
<u>Telecommunication Network and Service Management</u>	26
<u>Cryptography System for Data Protection</u>	27
<u>Nonlinear Biomedical Signal Processing</u>	28
<u>Corporate Communications Management</u>	29
<u>Product and Service Management</u>	30
<u>Modeling and simulation in risk management</u>	31
<u>Internet and Social Media Communication</u>	32



Content

<u>Protection against Chemical Harms, Fire and Explosion</u>	33
<u>Visual Identity</u>	34
<u>Operational Audit and Controlling</u>	35
<u>Academic Research on Theoretical Bases of Master Thesis</u>	36
<u>Preparation and Defence of Master Thesis</u>	37
<u>Functional Analysis</u>	38
<u>Partial Differential Equations</u>	39
<u>Combinatorics and Graph Theory</u>	40
<u>Operational Research</u>	41
<u>Stochastic Processes</u>	42
<u>Models of Computation</u>	43
<u>Semantics of programming languages</u>	44
<u>Numerical Solution of Differential Equations</u>	45
<u>Logic in computer science</u>	46
<u>Actuerial Mathematics</u>	47
<u>Mathematical Foundations of Fuzzy Systems</u>	48
<u>Applaid Abstract Algebra</u>	49
<u>Geometry</u>	50
<u>Introduction to Functional Programming Languages</u>	51
<u>Numerical Analysis</u>	52
<u>Reinsurance</u>	53
<u>Digital products design and Human-Computer Interaction</u>	54
<u>Talent Management</u>	55
<u>Project evaluation</u>	56
<u>Investment Environment</u>	57
<u>Mathematical Game Theory</u>	58
<u>Event Management</u>	59
<u>Loss Assessment</u>	60
<u>Nonlinear Analysis of Structures</u>	61
<u>Accidental Risk Management and the Environment</u>	62
<u>06. Programme Quality, Contemporaneity and International Compliance</u>	63



Content

<u>07. Student Enrollment</u>	64
<u>08. Student Evaluation and Progress</u>	65
<u>09. Teaching Staff</u>	66
<u>Adžić Z. Nevenka</u>	66
<u>9.1. Science, arts and professional qualifications</u>	66
<u>Adžić Z. Nevenka</u>	67
<u>Anišić M. Zoran</u>	70
<u>Avdalović A. Veselin</u>	72
<u>Bajić D. Dragana</u>	74
<u>Ćosić I. Đorđe</u>	76
<u>Doroslovački D. Rade</u>	78
<u>Gilezan K. Silvia</u>	80
<u>Gospić M. Nataša</u>	83
<u>Grbić P. Tatjana</u>	84
<u>Ivanišević V. Andrea</u>	87
<u>Katić R. Ivana</u>	89
<u>Kostić Z. Marko</u>	91
<u>Kovačević M. Ilija</u>	93
<u>Kovačević-Jureša I. Jelena</u>	95
<u>Kuzmanović D. Bogdan</u>	97
<u>Lađinović Ž. Đorđe</u>	99
<u>Lalić P. Bojan</u>	100
<u>Lalić S. Danijela</u>	103
<u>Leber J. Marjan</u>	106
<u>Lisov R. Milimir</u>	108
<u>Lukić J. Tibor</u>	110
<u>Mirković R. Milan</u>	112
<u>Nerandžić B. Branislav</u>	114
<u>Pantović B. Jovanka</u>	116
<u>Perović I. Veselin</u>	118
<u>Radišić M. Mladen</u>	120
<u>Ralević M. Nebojša</u>	122
<u>Sakulski M. Dušan</u>	124
<u>Simeunović V. Nenad</u>	126

Content

<u>Stojaković M. Mila</u>	.....	128
<u>Šenk I. Vojin</u>	.....	130
<u>Štrbac D. Dragana</u>	.....	132
<u>Turk-Sekulić M. Maja</u>	.....	134
<u>Uzelac S. Zorica</u>	.....	136
<u>Vojinović-Miloradov B. Mirjana</u>	.....	138
<u>10. Organizational and Material Resources</u>	_____	140
<u>11. Quality Control</u>	_____	141
<u>12. Distance Education</u>	_____	142

	<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>MASTER ACADEMIC STUDIES</p>	<p>Mathematics in Engineering</p>

Programme name	Mathematics in 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	Interdisciplinary
Scientific, professional or art field	Applied Mathematics: Technical Sciences; Mathematical Sciences
Type of studies	Master Academic Studies
Study scope, expressed in ECTS	60-63
Academic degree, abbreviation	Master in Applied Mathematics, M.App.Math.
Study length	1
Programme implementation starting year	2007
Future course implementation starting year (for new programme)	
Number of students attending this programme	2
Planned number of students to be enrolled in this programme	32
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2008
Web address containing programme information	http://www.ftn.uns.ac.rs



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 00. Introduction

The study program of graduate academic studies in Mathematics in Engineering is a continuation of the study programme of undergraduate studies in Mathematics, Electrical and Computer Engineering, Mechatronics, Mechanical Engineering, Traffic Engineering, Civil Engineering, Geodesy at the Faculty of Technical Sciences, University of Novi Sad.

The traditional division into scientific and educational areas has resulted in a situation in which engineers from different disciplines do not understand each others when working on the same project as well as in the lack of knowledge necessary for the realization of complex systems found in today`s practice. Engineers coming from different backgrounds when discussing a particular problem “do not speak the same language”. Each of the professions is aware only of its point of view. Since mathematics and other engineering disciplines are closely interconnected, the design of various technical models requires the knowledge in the specific engineering field as well as the knowledge of mathematics.

For that reason Mathematics in Engineering in educational sense should be viewed as a study programme which was developed in answer to the problems encountered in everyday practice. The programme should provide the students with the opportunity to substantially expand their knowledge of mathematics and develop concrete knowledge based on understanding fundamental principles of various areas of engineering, acquire the additional professional knowledge for the realization of contemporary technical systems, acquire the ability to integrate the necessary knowledge and apply it in a particular situation and to have an introduction to research work during this study programme.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 01. Programme Structure

The name of the graduate(master) academic study program is Mathematics in Engineering. The academic title acquired is the Master's degree in Applied Mathematics. The outcome of the learning process is the knowledge which enables students to use the professional literature, apply the knowledge to the problems encountered in their professional work, as well as to continue their education, in case the students decide to do so.

The requirements for admission to this study programme are a Bachelor's degree worth at least 240 ECTS and a successfully passed entrance examination. The form of the entrance examination are defined by the rule book of the Faculty.

The graduate academic study programme Mathematics in Engineering which lasts one year a student decides on the group of subjects which are agreement with their previous education and needs for future professional and academic development. The head and the members of the Chair of mathematics give their approval of the structure of the proposed programme of study. The instruction at a particular subject is offered if there are enough students enrolled in this subject. If the number of students is insufficient the instruction on the subject is not organized in the class form but is replaced by mentor work with students. Students are required to choose courses from elective groups but, based on their preferences and desires, they can also choose, upon approval of the Head of the study programme, any of the courses offered by the Faculty of Technical Sciences, other faculties of the University of Novi Sad and other universities in the country and abroad. Standard requirements for attending elective courses must be met in this case.

In the study programme Mathematics in Engineering attention is given to the application of mathematics in the field of engineering. Elective courses are chosen from a group of suggested courses and students can, upon approval of the Head and members of the chair, choose any course offered at the Faculty of Technical Sciences, University of Novi Sad, or any other university in the country or abroad if they meet the prerequisites for attending the elective course.

The teaching process takes the form of lecture and practice classes, consultations, and study and research work. Throughout the learning process special attention is given to students' individual research work and their participation in the teaching process. During the lectures the topics are presented using suitable didactic materials, and, at the same time, research activities and trends in the given field are indicated. The practice classes which accompany the lectures are devoted to solving practical problems and presenting additional examples to illustrate the matter further. This is also the opportunity to provide additional explanations for the material covered during the lectures. The practice classes can be auditory, laboratory, computer or calculation classes.

The size of the group depends on the type of the practice class. The student assignments at these classes may include: writing a seminar paper or doing homework, project, semester or graphic assignments, where each student's activity is monitored and evaluated according to the regulations adopted by the Faculty. The student's results are represented by the uniform methodology and reflect the weight load on students in all aspects of teaching activities.

Each course is worth a certain number of ECTS credits and the studies are considered completed when the student fulfils all obligations required by the programme of study and thereby attains at least 60 ECTS.



Study Programme Accreditation
MASTER ACADEMIC STUDIES Mathematics in Engineering

Standard 02. Programme Objectives

The purpose of the study program is the education of students for the profession of engineer in applied mathematics - Master in accordance with the needs of society.

The study programme Mathematics in Engineering is designed to ensure the acquisition of competencies which are socially justified and useful. The Faculty of Technical Sciences has defined the primary aims and goals for higher education of competent professionals in the field of engineering. The purpose of the Mathematics in Engineering study programme is in complete coherence with the goals and aims of the graduate programmes at the Faculty of Technical Sciences.

Realization of the study programme designed in this way ensures the education of engineers with master degree in Mathematics in Engineering who have competences equal to those acquired in Europe and world wide.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 03. Programme Goals

The objective of the study programme is to achieve competence and academic skills in the field of Mathematics in Engineering. This, among others includes the development of creative skills regarding research problems and critical thinking ability, problem solving, skills for team work as well as the mastery of specific practical skills needed to perform professional work.

The aim of the studies is to educate professionals who possess the necessary in-depth knowledge in the field of mathematics which can be applied to the areas of electrical, computer, mechanical, civil, traffic and other fields of engineering.

One of the specific objectives, consistent with the goals of education of experts at the Faculty of Technical Sciences is to develop the awareness with students of the need for lifelong learning, development of the society as a whole and environmental protection. The aim of the study programme is also the education of researchers proficient in teamwork, the development of skills for communicating and transferring their own knowledge to the professional and general public.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 04. Graduates' Competencies

Students with a Master's degree in Mathematics in Engineering have the competence to solve real life problems in practice as well as to continue education if they decide to do so. Their competences include, primarily, critical thinking, the ability to analyze a problem, synthesize a solution, predict the behaviour of the chosen solution with the clear idea of the advantages and disadvantages of the chosen solution.

The qualifications which mark the completion of master academic studies are awarded to the students who:

- have demonstrated the knowledge and understanding in the field of Mathematics in Engineering which complements the knowledge acquired during undergraduate academic studies and forms a basis for developing critical thinking and application of knowledge;

- are capable of applying their knowledge in solving problems in a new and unfamiliar environment in the wider or multidisciplinary areas within the educational and scientific area of study;

- are capable of integrating knowledge in order to solve complex problems and to form judgement on the basis of available information which include reflection on social and ethical responsibilities associated with applying their knowledge and judgements;

- are able to transfer knowledge conclusion methods in a clear and unambiguous way to both specialist and non-specialist audiences;

- have ability to continue studies in a self-selective way.

With regard to the specific competences of the students who have completed the study programme of master academic studies they acquire a thorough knowledge and understanding of all the disciplines within the module as well as the ability to solve practical problems using scientific methods and procedures. Students who have completed the master programme of Mathematics in Engineering are capable of adequately writing about and presenting the results of their work. The study programme emphasizes the intensive use of information and communication technologies.

The students who have completed this level of studies have the competence to follow and apply the new developments in their professional field as well as to cooperate with local community and international environment.

Throughout their education the students acquire the ability to independently perform experiments, statistical analysis of data as well as to formulate results and draw adequate conclusions.

Students who have graduated from the Mathematics in Engineering study programme acquire the knowledge how to economically use the natural resources of the Republic of Serbia in accordance with the principles of sustainable development.

Special attention is given to developing skills for teamwork and development of professional ethics.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 05. Curriculum

The curriculum of graduate academic studies in Mathematics in Engineering was designed to meet all the set goals. In the structure of the study programme it has been ensured that elective courses make at least 30% of the required ECTS credits.

Academic master studies deal with concrete problem in the area of Mathematics in Engineering with specific areas the students has decided to focus on through elective courses. In elective courses students can follow their own preferences which have been defined at the undergraduate studies level.

All courses are one-semester courses and are worth the appropriate number of ECTS points where one point equals approximately 30 hours of student activities.

The curriculum describes each subject by specifying the name, type of course, year and semester of study, the number of ECTS credits, the name of the teacher, the course aims and the expected outcomes, competencies, prerequisites for attending the classes, course content, recommended literature, teaching methods, ways of knowledge assessment, and other data.

The study program complies with European standards in terms of conditions for enrolment, duration of study, completion, and modes of study.

An integral part of the curriculum of Mathematics in Engineering is professional practice and practical work for 45 hours, which is performed in the relevant scientific and research institutions, in organizations which perform innovation activities in organizations for the provision of infrastructural support, innovation activities in enterprises and public institutions.

The students complete their studies by producing a Master thesis, which consists of study and research work (theoretical and methodological preparation) necessary for the in-depth understanding of the field which they graduate in as well as the writing of the thesis itself.

Before the defence of their Master thesis, the students have to take an examination on the theoretical and methodological basis, which, as a rule is taken before a committee for defence. The final grade is based on the assessment of the theoretical – methodological preparation and the evaluation of the submitted work and its defence. The thesis is defended before a committee consisting of at least three teachers, of whom at least one has to be from other department or accredited faculty and have competence in the field the master thesis deals with.

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Table 5.2 Course specification

Course:		Professional Internship						
Course id: 0M5I4								
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								
1. Educational goal:								
Gaining direct knowledge of the possibilities of applying previously acquired knowledge into practice.								
2. Educational outcomes (acquired knowledge):								
Training students to apply previously acquired theoretical and professional knowledge to solve specific practical engineering problems in the selected companies or Institutions. Introduce students to selected companies` or institutions` activities, ways of doing business, management and the place and role of engineers in their organizational structures.								
3. Course content/structure:								
Formed for each candidate separately, in agreement with the management of the company or institution where professional practice is performed and in accordance with the needs of the profession for which the student qualifies.								
4. Teaching methods:								
Consultation and writing in journals of professional practice in which a student describes the activities and tasks that he/she performed during the internship.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Project			Yes	50.00	Oral part of the exam		Yes	50.00
Literature								
Ord.	Author		Title			Publisher		Year

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Table 5.2 Course specification

Course:		Functional Analysis			
Course id:	0M501				
Number of ECTS:	6				
Teachers:	Kovačević M. Ilija, Kostić Z. Marko				
Course status:	Elective				
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:					
Enabling students to develop abstract thinking and acquire basic knowledge in the field of Functional Analysis (Topological spaces; Metric spaces, Normed spaces, Hilbert spaces, Measure theory, Lebesgue integral)					
2. Educational outcomes (acquired knowledge):					
To use the acquired knowledge in further education and to postulate and solve mathematical models from functional analysis in engineering subjects					
3. Course content/structure:					
Theoretical aspects: Fundamentals of topology (Topological spaces; Metric spaces; Functions; Compactness; Connectivity; Complexity; Fixed point theorems). Normed spaces, L(X,Y) spaces, Hilbert spaces; Fourier analysis of Hilbert spaces. Three basic theorems of functional analysis. Bounded and linear operators. Spectral theory of bounded operators; Freshoe and Gatto operator inference. Topological vector spaces, Lebesgue measure and Lebesgue integral. Practice classes (placticals) During these classes the subject matter rom theory classes are supported by examples to provide futher practice and better understanding.					
4. Teaching methods:					
Lectures. Numerical and calculation practice. Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. During the practice classes which follow the lectures, the subject matter is supported by charactristic examples to provide futher practice and better understanding In addition to lectures and practice classes there are regular consultations. There is a possibility of taking partial examinations which cover certain logical units during the course in three modules: (module one: Fundamentals of topology, module two: Normed spaces, Hilbert spaces with operator theory, module three Topological vector spaces with Lebesgue measure and Lebesgue integral).					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	3.00	Final exam - part one	No 25.00
Lecture attendance		Yes	2.00	Final exam - part two	No 25.00
Project task		Yes	15.00	Written part of the exam - tasks and theory	Yes 50.00
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	I. Kovačević, N. Ralević	Funkcionalna analiza		FTN (Edicija tehničke nauke-udžbenici), Novi Sad	2004
2,	N.Ralević,I.Kovačević	Zbirka rešenih zadataka iz funkcionalne analize		FTN (Edicija tehničke nauke-udžbenici),Novi Sad	2004

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Table 5.2 Course specification

Course:		Partial Differential Equations			
Course id:	0M502				
Number of ECTS:	4				
Teacher:		Ralević M. Nebojša			
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 to develop abstract thinking and acquire knowledge in the field of partial differential equations					
2. Educational outcomes (acquired knowledge):					
To use the acquired knowledge in engineering subjects and in practice, to postulate and solve mathematical models in engineering subjects using the material covered in the course.					
3. Course content/structure:					
Theoretical part (lectures): Partial differential equations (introduction, Cauchy–Kowalevski theorem) First order equations (method of characteristics). Second order equations (classification, canonical forms, characteristic manifold for higher order equations) Cauchy problem for one dimensional wave equation – energy interval. Mixed problem for one dimensional wave equation. – Fourier method for separation of variables. Cauchy problem for heat conduction equation – maximum principle. Dirichlet and Neiman problem for Laplace’s equation – maximum principle. Numerical solution of PDE. Use of computer for solving PDE. Sobolev spaces. The notion of weak derivative. Weak solution for more dimensional wave equation. Mathematical physics equations. Schrodinger equation. Euler equation and Navier-Stokes equation.. Practice classes (practicals) During these classes the subject matter from theory classes is supported by examples to provide futher practice and better understanding.					
4. Teaching methods:					
Lectures. Numerical and calculation practice. Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. During the practice classes which follow the lectures, the subject matter from theory classes is supported by charactristic examples to provide futher practice and better understanding In addition to lectures and practice classes there are regular consultations. There is a possibility of taking partial examinations which cover certain logical units during the course in three parts: part one: First and second order PDE, part two: Numerical solution of PDE. Use of computer for solving PDE , use of at least one software package Maple, Mathematica, Matlab, part three: Sobolev spaces. Mathematical physics 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 30.00
Lecture attendance		Yes	5.00	Practical part of the exam - tasks	Yes 40.00
Project defence		Yes	10.00		
Term paper		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	E. Pap	Parcijalne diferencijalne jednačine		Građevinska knjiga	1986
2,	P.R. Garabedian	Partial Differential Equations		Wiley	1964
3,	T. Dauxois, M. Peyrard	Physics of Solitons		Cambridge University Press, Cambridge, New York	2006

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Table 5.2 Course specification

Course:		Combinatorics and Graph Theory				
Course id:	0M503					
Number of ECTS:	6					
Teacher:		Doroslovački D. Rade				
Course status:		Elective				
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:						
Enabling students to develop abstract thinking and acquire basic knowledge in the field of combinatorics and graph theory.						
2. Educational outcomes (acquired knowledge):						
To use the acquired knowledge in further education and in engineering subjects, to postulate and solve mathematical models in engineering subjects using the knowledge acquired at this course						
3. Course content/structure:						
Fundamentals of configurations. Polynomial numbers . Inclusion and exclusion principles. Permutations. Recurrent formulas. Fibonacci numbers. Generative functions, System of different representatives, Combinatorics with words, Latin squares, Finite geometry, Codes, Operations with graphs. Connectivity. Trees. Eulerian and Hamiltonian graphs. Planar graph. Graph colouring. Digraphs and tournaments. Graph core. Graphs and games. Matrix representation of graphs. Algorithms and graphs. Graph spectrum.						
4. Teaching methods:						
The teaching process consists of theoretical part and practice classes where various practical problems are solved using the knowledge of the theoretical part.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Lecture attendance		Yes	30.00	Written part of the exam - tasks and theory		Yes 70.00
Literature						
Ord.	Author	Title			Publisher	Year
1,	D. Cvetković, S.Simić	Kombinatorika klasična i moderna			Nučna knjiga, Beograd	1984
2,	R. Tošić	Kombinatorika			Univerzitet u Novom Sadu	1999
3,	R. Doroslovački, O. Marković	Kombinatorika na rečima			Feljton, Novi Sad	2000
4,	V. petrović	Teorija grafova			Univerzitet u Novom Sadu, Novi Sad	1998
5,	I. Bošnjak, D. Mašulović, V. Petrović, R. Tošić	Zbirka zadataka iz teorije grafova			Univerzitet u Novom Sadu, Novi Sad	2005

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Table 5.2 Course specification

Course:		Stochastic Processes			
Course id:	0M505				
Number of ECTS:	6				
Teachers:		Grbić P. Tatjana, Stojaković M. Mila			
Course status:		Elective			
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:					
Enabling students to develop abstract thinking and acquire basic knowledge in the field of random processes.					
2. Educational outcomes (acquired knowledge):					
Ability to use the acquired knowledge in further education in engineering subjects so as to postulate and solve mathematical models in the field of probability, statistics and random processes.					
3. Course content/structure:					
Basic definitions in probability, conditional probability and Bayes` formula. Random variable of continuous and discrete type, distribution function. Two-dimensional random variable. Conditional distribution. Numerical properties – expectation, dispersion, covariance, correlation. Conditional expectation. Limit theorems. Statistics – point and interval ratings of parameters, parametric and nonparametric hypothesis and tests of significance. Stochastic processes – general terms. The transformation of a random process – differential, integral. Poisson process, white noise, a telegraph signal, Markov chains and processes, the processes of birth and death, mass servicing systems, stationary processes. Mass servicing systems. Stationary processes.					
4. Teaching methods:					
Lectures; Numerical calculation practice. Consultations. Lectures are combined. In lectures, theoretical part of the course is taught followed by typical examples for better understanding. In practice, which accompanies lectures, typical problems are solved and knowledge from the lectures is deepened. Besides lectures and practice, consultations are held on a regular basis. Part of the course, presenting a logical whole, can be passed during the teaching process in the form of the following 4 modules (the first module: theory of probability, the second module: random variable, the third module: statistics, the fourth module: random processes). Oral part of the examination is eliminatory.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	3.00	Written part of the exam - tasks and theory	Yes 40.00
Homework		Yes	5.00	Oral part of the exam	Yes 30.00
Lecture attendance		Yes	2.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Mila Stojaković	Slučajni procesi		Symbol,Novi Sad	2004
2,	Tatjana Grbić, Ljubo Nedović,	Zbirka rešenih zadataka iz verovatnoće		FTN	2003

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	<h2 style="margin: 0;">Study Programme Accreditation</h2>	
	<p>MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	

Table 5.2 Course specification

Course:		Semantics of Programming Languages				
Course id: 0M506						
Number of ECTS: 6						
Teacher:		Gilezan K. Silvia				
Course status:		Elective				
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 fundamental knowledge about semantics of programming languages and participating in scientific and research work.						
2. Educational outcomes (acquired knowledge):						
Knowledge about fundamental notions and results in the field of semantics of programming languages. Research in the narrow area of semantics, based on student's interests and in cooperation with researchers in the country and abroad.						
3. Course content/structure:						
Denotational semantics. Operational semantics. Axiomatic semantics.						
4. Teaching methods:						
The presentation of the theoretical part during the lecture classes is followed by the characteristic examples which contribute to better understanding of the subject matter. The students are expected to individually study the additional literature which they discuss with the subject teacher at the consultation classes.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Term paper			Yes	50.00	Oral part of the exam	Yes 50.00
Literature						
Ord.	Author		Title		Publisher	Year
1,	G. Winskel		The Formal Semantics of Programming Languages		MIT, Boston	1993
2.	R. Amadio, P.-L. Curien		Domains of Lambda Calculi		Cambridge University Press	1999

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Table 5.2 Course specification

Course:		Logic in Computer Science				
Course id: 0M507						
Number of ECTS: 6						
Teacher:		Gilezan K. Silvia				
Course status:		Elective				
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 fundamental knowledge in the field of mathematical logic and its application in computing as well as participating in scientific and research work.						
2. Educational outcomes (acquired knowledge):						
Knowledge about fundamental notions and results in the field of mathematical logic. Participating in the research in the particular area of logic, based on student's interests and in cooperation with researchers in the country and abroad.						
3. Course content/structure:						
Propositional calculus: axiomatic systems, natural deduction, sequent calculus. Predicate calculus. Proof theory. Godel's incompleteness theorem. Modal logic. Temporal logics. Set theory.						
4. Teaching methods:						
The presentation of the theoretical part during the lecture classes is followed by the characteristic examples which contribute to better understanding of the subject matter. The students are expected to individually study the additional literature which they discuss with the subject teacher at the consultation classes.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Term paper			Yes	50.00	Theoretical part of the exam	Yes 50.00
Literature						
Ord.	Author		Title		Publisher	Year
1,	A. Nerode, R. Shore		Logic for Application		Springer-Verlag, Berlin	1997
2,	P. Janičić		Matematička logika u raunarstvu			2007
3,	K.Došen, Z.Marković, Ž.Mijajlović		Hilbertovi problemi i logika		Zavod za udžbenike i nastavna sredstva, Beograd	1986
4,	G.E.Hughes, M.J.Cresswel		Introduction to Modal Logic		Routhedge	1995

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Table 5.2 Course specification

Course:		Mathematical Foundations of Fuzzy Systems						
Course id:	0M508							
Number of ECTS:	6							
Teacher:		Ralević M. Nebojša						
Course status:		Elective						
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:								
Enabling students to develop abstract thinking and acquire knowledge about the theory of fuzzy systems.								
2. Educational outcomes (acquired knowledge):								
To use the acquired knowledge in engineering subjects and in practice, postulate and solve mathematical models in engineering subjects using the knowledge about fuzzy systems.								
3. Course content/structure:								
Theoretical part of the course (lectures):I module: Aggregation operators. Fuzzy and ordinary sets. Operations with fuzzy sets. Fuzzy arithmetic. Fuzzy relations and relational equations. Fuzzy measures and integrals. Fuzzy logic. II module Approximative reasoning, Fuzzy systems, Fuzzy databases, Pattern recognition, Fuzzy decision theory, Engineering applications, Application of Fuzzy systems in medicine, economics, ecology. Use of computer - fuzzy toolbox., Practice classes (practices: In practice classes typical problems are solved and knowledge from the lectures is further developed, thus the practice classes contribute to better understanding of the subject matter.								
4. Teaching methods:								
Lectures. Numerical calculation classes. Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. During the practice classes which follow the lectures, the subject matter is supported by characteristic examples to provide futher practice and better understanding In addition to lectures and practice classes there are regular consultations. The students can take partial exams during the course in the form of the following two modules: from the I module (part one: Aggregation operators. Fuzzy and ordinary sets. Operations with fuzzy sets. Fuzzy arithmetic. part two: Fuzzy relations and relational equations. Fuzzy measures and integrals. Fuzzy logic. From the II module the students write a seminar paper which is defended orally. The oral part of the 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	30.00
Lecture attendance			Yes	5.00	Practical part of the exam - tasks		Yes	30.00
Project defence			Yes	10.00				
Term paper			Yes	20.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Klir J. G., Yuan B.		Fuzzy Sets and Fuzzy Logic: Theory and Applications			Prentice Hall PTR Upper Saddle River, New Jersey		1995
2,	Pap E.		Fazi mere i njihova primena			Univ. u Novom Sadu, Prirod. Mat. Fak., Novi Sad		1999
3,	Wang, Z., Klir J. G.		Fuzzy Measure Theory			Plenum Press, New York and London		1992
4,	P. Klement, R. Mesiar, E. Pan		Triangular norms			Kluwer Academic Publishers, Dordrecht		2000

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Table 5.2 Course specification

Course:		Applied Abstract Algebra					
Course id: 0M509							
Number of ECTS: 6							
Teacher:		Doroslovački D. Rade					
Course status:		Elective					
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:							
Enabling students to develop abstract thinking and acquire basic knowledge in the field of applied abstract algebra.							
2. Educational outcomes (acquired knowledge):							
To use the acquired knowledge in further education and in engineering subjects, to postulate and solve mathematical models in engineering subjects using the knowledge acquired at this course.							
3. Course content/structure:							
Lattices• Boolean Algebras• Finite Fields•Algebraic Structures• Coding Thoery• Cryptology•Formal Languages• Automata Theory							
4. Teaching methods:							
The teaching process consists of theoretical part and practice classes where various practical problems are solved using the knowledge of the theoretical part.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance			Yes	30.00	Written part of the exam - tasks and theory	Yes	70.00
Literature							
Ord.	Author	Title			Publisher		Year
1,	R.Sz. Madarasz, S. Crvenković	Uvod u teoriju automata i formalnih jezika			Univerzitet u Novom Sadu, Novi Sad		1995
2,	Lidl Pilc	Applied abstract algebra			Springr-Verlag		1984
3,	R. Doroslovački	Elementi opšte i linearne algebre			ALFA-GRAF NS		2006
4,	Sergiu Rudeanu	Boolean Functions And Equations			NORT-HOLAND PUBLISHING COMPANY		1974

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Table 5.2 Course specification

Course:		Geometry				
Course id:	0M511					
Number of ECTS:	6					
Teacher:		Doroslovački D. Rade				
Course status:		Elective				
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:						
Generalization of vectors and spaces P/3 by studying tensors and differentiable manifold, which enables the study of different spaces and metrics.						
2. Educational outcomes (acquired knowledge):						
To use the knowledge of tensor calculus in studying physical phenomena in electromagnetics, for studying oscillations, fluids and other phenomena in Newtonian mechanics.						
3. Course content/structure:						
Tensor calculus, differentiable manifold, metric tensor, curvature tensor, torsion tensor. Almost complex and almost product structure on differentiable manifoldand their generalizations.						
4. Teaching methods:						
Consultations, lectures.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Exercise attendance		Yes	5.00	Coloquium exam		No 70.00
Lecture attendance		Yes	5.00	Theoretical part of the exam		Yes 70.00
Test		Yes	10.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title			Publisher Year	
1,	K.Yano	Differentiable manifolds			Springer 1987	

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Table 5.2 Course specification

Course:		Introduction to Functional Programming Languages						
Course id:	0M513							
Number of ECTS:	6							
Teacher:		Gilezan K. Silvia						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:		
3		2	0		0	0		
Precondition courses								
1. Educational goal:								
Acquiring fundamental knowledge about functional programming languages and participating in scientific and research work								
2. Educational outcomes (acquired knowledge):								
Knowledge about fundamental notions and results in the field of functional programming languages theorem proofs. Participating in research in the particular aspect of the subject area, based on student's interests and in cooperation with researchers in the country and abroad.								
3. Course content/structure:								
Functional programming languages without types: LISP, SCHEME. Functional programming languages with types: ML, HASKELL, Theorem prover HOL, ISABELLE, COQ, LEGO								
4. Teaching methods:								
The presentation of the theoretical part during the lectures is followed by the characteristic examples which contribute to better understanding of the subject matter. The students are expected to individually study the additional literature which they discuss with the . subject teacher at the consultation classes.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Term paper			Yes	50.00	Theoretical part of the exam		Yes	50.00
Literature								
Ord.	Author		Title			Publisher		Year
1,	J. Mitchell		Foundation of Programming Languages			MIT Press, Boston		1996
2,	M. Gordon		Programming Languages Theory and Its Implementation			Prentice Hall		1988
3,	L.C. Paulson		Isabelle: A Generic Theorem Prover			Springer-Verlaq, Berlin		1994

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Table 5.2 Course specification

Course:		Numerical Analysis				
Course id: 0M517						
Number of ECTS: 6						
Teachers:		Adžić Z. Nevenka, Ralević M. Nebojša				
Course status:		Elective				
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:						
Enabling students to develop abstract thinking and acquire knowledge in the field of numerical mathematics.						
2. Educational outcomes (acquired knowledge):						
Students are competent to use methods of numerical solution of mathematical models in practice and in their further education in engineering subjects.						
3. Course content/structure:						
Numerical solutions of nonlinear equations. Numerical solutions of a system of linear and nonlinear equations. Numerical integration. Interpolation. Numerical solutions of differential equations:						
4. Teaching methods:						
Lectures, computing practice, consultations with the subject teacher and etching assistant. Two seminar papers covering the part of the course which represents a logical unit are obligatory. The final examination consists of a theoretical part (which is eliminatory) and practical tasks. The exams are written. The overall grade is based on the lecture and practices attendance, grades on seminar papers and final grade.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes 50.00
Lecture attendance			Yes	5.00		
Term paper			Yes	20.00		
Term paper			Yes	20.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	Nevenka Adžić	Numerika				2001
2,	D. Kincaid, W. Cheney	Numerical Analysis			Pacific Grove, California	1991
3,	A.A. Samarskij	Uvod u numeričke metode			Nauka, Moskva	1982

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	Study Programme Accreditation	
	<p>MASTER ACADEMIC STUDIES</p>	<p>Mathematics in Engineering</p>

Table 5.2 Course specification

Course:		Management of strategic and operational risks of insurance companies				
Course id: IM2717						
Number of ECTS: 5						
Teachers:		Ćosić I. Đorđe, Kuzmanović D. Bogdan, Lisov R. Milimir				
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:						
Introduce students to the basic elements of risk management at the level of the insurance company. Students learn about the engineering aspects of exposure to risks that threaten the big insurers, as well as ways to manage the same through proper insurance companies some capacity ..						
2. Educational outcomes (acquired knowledge):						
Acquisition of basic knowledge about the risks at the level of the insurance company.						
3. Course content/structure:						
Risk and risk management, risk categories, risk management cycle, the level of risk management, systems, forces generated by the vulnerability of the system, operational risk insurance, strategic risks of the insurance company.						
4. Teaching methods:						
Lectures, practical exercises and 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		
Term paper			Yes	20.00		
Literature						
Ord.	Author		Title		Publisher	Year
1.	Ian Bates, Derek Atkins		Menagement Insurance Operations			2009

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Table 5.2 Course specification

Course:		Operational Research			
Course id:	0M504				
Number of ECTS:	4				
Teacher:	Stojaković M. Mila				
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 to develop abstract thinking and acquire basic knowledge in the field of operational research.					
2. Educational outcomes (acquired knowledge):					
Ability to use the acquired knowledge in further education in engineering subjects so as to postulate and solve mathematical models from the field of operational research.					
3. Course content/structure:					
Markov processes, Birth-death processes, Poisson processes, Queuing theory, Markovian model; Combined arrivals and departures, Priorities, Series queues, Queues with general distribution, Analysis by imbedded Markov chain.					
4. Teaching methods:					
Lectures. Numerical and calculation practice. Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. During the practice classes which follow the lectures, the subject matter from theory classes is supported by characteristic examples to provide further practice and better understanding. In addition to lectures and practice classes there are regular consultations. There is a possibility of taking partial examinations which cover certain logical units during the course.					
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 55.00
Exercise attendance		Yes	5.00	Coloquium exam	No 25.00
Test		Yes	10.00	Oral part of the exam	Yes 15.00
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1.	Svetozar Vukadinović	Sistemi masovnih obluživanja		Privredni pregled	2003
2.	Richard Bronson	Operations research		McGraw-Hill	1982

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Table 5.2 Course specification

Course:		Models of Computation					
Course id:	0M512						
Number of ECTS:	4						
Teacher:		Pantović B. Jovanka					
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 fundamental knowledge in the field of Mathematical Logic and Theory of Automata and Languages.							
2. Educational outcomes (acquired knowledge):							
Knowledge about fundamental notions and results in the field of Mathematical Logic and Theory of Automata and Languages.							
3. Course content/structure:							
Introduction to Mathematical Logic. Introduction to the Theory of Automata and Languages.							
4. Teaching methods:							
The presentation of the theoretical part during the lectures is followed by the characteristic examples which contribute to better understanding of the subject matter. The students are expected to individually study the additional literature which they discuss with the subject teacher at the consultation classes.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory	Points
Term paper			Yes	50.00	Theoretical part of the exam	Yes	50.00
Literature							
Ord.	Author		Title		Publisher		Year
1,	Gradimir Vojvodić		Predavanja iz matematičke logike		PMF, Novi Sad		2007
2,	R.Madarasz, S. Crvenković		Uvod u teoriju automata i formalnih jezika		Stylos		1995
3,	S. Crvenković , R. Madaras, N. Mudrinski		Zbirka zadataka iz teorije automata		PMF, Novi Sad		2005
4,	Shawn Hedman		A First Course in Logic		Oxford University Press		2008

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Table 5.2 Course specification

Course:		Numerical Solutions of Differential Equations			
Course id:	0M518				
Number of ECTS:	4				
Teacher:		Uzelac S. Zorica			
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 fundamental methods for numerical solution of differential equations and enabling students to use the acquired knowledge in other general and engineering subjects.					
2. Educational outcomes (acquired knowledge):					
Students are competent to use methods of numerical solution of mathematical models in practice and in their further education in engineering subjects.					
3. Course content/structure:					
Ordinary differential equations (initial value problems). Ordinary differential equations (boundary value problems); finite difference method, collocation method, finite element method. Singularly perturbed boundary value problems. Partial differential equations: finite difference method for elliptic partial differential equations, finite difference method for wave equation, finite difference method for heat transfer equation.					
4. Teaching methods:					
Lectures, computing practice, consultations. The presentation of the theoretical part during the lectures is followed by the characteristic examples which contribute to better understanding of the subject matter. The practice classes which follow the lectures are devoted to practical tasks which contribute to better understanding of the material. In addition to lectures and practices there are regular 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 10.00
Lecture attendance		Yes	5.00	Practical part of the exam - tasks	Yes 60.00
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Samarski, A. A	Teorija diferencijalnih šema		Nauka, Moskva	1983
2,	Kincaid, D., Cheney, W.	Numerical Analysis - Mathematics of Scientific Computing,		Brooks/Cole Publishing Company, California, USA	1991
3,	Mathews, J. H.	Numerical Methods for Mathematics, Sciences and Engineering,		Prentice - Hall Inc.	1992
4,	D. Herceg, N. Krejić	Numerička analiza		Stylos, Novi Sad	1997
5.	D. Radunović	Numeričke metode		Gradjevinska knjigica, Beograd	1995

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Table 5.2 Course specification

Course:		Actuerial Mathematics						
Course id: OM519								
Number of ECTS: 4								
Teacher:		Doroslovački D. Rade						
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 to develop abstract thinking and acquire basic knowledge in the field of financial and actuarial mathematics.								
2. Educational outcomes (acquired knowledge):								
The acquired knowledge is used in further education and in engineering subjects and the students are able to practically apply the knowledge of financial and actuarial mathematics without memorization and use of formulas which frequently appear in different course books.								
3. Course content/structure:								
Lectures Theoretical part). Percentage calculus and simple interest calculus. Probability of life and death of a person. Term insurance. The insurance of capital, annual insurance premium. Practice classes (practices) are devoted to doing suitable examples which provide additional practice for the material covered at lectures and thus contribute to better understanding of the material.								
4. Teaching methods:								
Lectures; Numerical calculation practice. Consultations. Lectures are dynamic and interactive. In lectures, theoretical part of the course is taught followed by characteristic and typical examples for better understanding. In practices, which accompany lectures, typical problems are solved and knowledge from the lectures is deepened. Besides lectures and practice, consultations and group tutorials are held on a regular basis. Part of the course, presenting a logical whole, can be taken as partial examination during the course in the form of the following 2 modules (the first module: Financial mathematics , the second module: Actuarial mathematics.).								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Computer exercise attendance			Yes	5.00	Written part of the exam - tasks and theory		Yes	30.00
Lecture attendance			Yes	5.00	Coloquium exam		No	10.00
Test			Yes	10.00	Coloquium exam		No	10.00
Test			Yes	10.00	Theoretical part of the exam		Yes	40.00
Literature								
Ord.	Author		Title			Publisher		Year
1,	Dr Jelena Kočović		AKTUARSKE OSNOVE FORMIRANJE TARIFA			Centar za izdavačku delatnost, Ekonomski fakultet Beograd		2004
2,	Dr Jelena Kočović i Dr Tatiana Rakonjac-Antić		Zbirka rešenih zadataka iz finansijske i Aktuarske matematike			Centar za izdavačku delatnost, Ekonomski fakultet Beograd		2005

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Table 5.2 Course specification

Course:		Telecommunication Network and Service Management			
Course id:	EK540				
Number of ECTS:	4				
Teacher:	Gospić M. Nataša				
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 become familiar with the field of telecommunication network and service management. They learn how to apply specific standards. The design of controlled network resource models. The study of the operation of telecom operators and the optimization techniques. The design of simple controllable objects management system models.					
2. Educational outcomes (acquired knowledge):					
Students will learn how to manage the telecommunication network and services. They will understand the types of organization of the maintenance and control. They will understand how to apply standards of international organizations in the field of communication network and service management. They will learn the basics of management platform planning. Students will learn how to devise business processes of telecom operators and sevice providers by using the telecom process map and they will acquire skills of user profiling. Students will be able to understand the service providing process and the posibility of operation optimization.					
3. Course content/structure:					
Introduction: Changing the maintenance philosophy to suit the management concept (the philosophy of network and service maintenance, the management concept, telecommunication processes, international organizations and standards in the field of network and sevice management). Principles of management in telecommunications (TMN principles, management tools, protocols, management realization platforms, ITU-T recommendations). The application of concepts of network and service management (SDH management, ATM management, GSM and UMTS management, service management, defining the business process of telecom operators and service providers, business process planning using the telecom process map). The role of processes and sub-processes in the reorganization of telecom operators (business process re-engineering).					
4. Teaching methods:					
Lectures. Auditory practice. Tutorial work.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Homework		Yes	15.00	Coloquium exam	No 30.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 50.00
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	N. Gospić, W. Widl, D. Vučković, A. Kostin	Osnove upravljanja telekomunikacijama		Saobraćajni fakultet i Akademska misao, Beograd	2004
2,	TM Forum	TOM , e-TOM		www.tmforum.org	****

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Table 5.2 Course specification

Course:		Cryptography System for Data Protection			
Course id:	EK534				
Number of ECTS:	4				
Teacher:		Šenk I. Vojin			
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					
1. Educational goal: Becoming familiar with the methods of cryptographic data protection.					
2. Educational outcomes (acquired knowledge): Student has the ability to use cryptographic algorithms and protocols.					
3. Course content/structure: Data encryption; Computer complexity access; Flow crypts; Algebraic encryption methods; Encryption applications: authentication, digital lists, key distribution, protocols; Internet data protection.					
4. Teaching methods: Lectures. Practice.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Homework		Yes	20.00	Oral part of the exam	Yes 40.00
Lecture attendance		Yes	5.00		
Project defence		Yes	35.00		
Literature					
Ord.	Author	Title		Publisher	Year
1.	Douglas Stinson	Cryptography: Theory and Practice		Chapman & Hall/CRC	2005

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	<p>MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	

Table 5.2 Course specification

Course:		Nonlinear Biomedical Signal Processing				
Course id:	EK530					
Number of ECTS:	4					
Teacher:		Bajić D. Dragana				
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 become familiar with time sequences obtained by 1D biomedical signal measurements and nonlinear ways of their processing.						
2. Educational outcomes (acquired knowledge):						
Students are able to understand the basic principles of data processing and apply them on specific time sequences obtained by measurements carried out for experimental purposes or in order to assign therapy.						
3. Course content/structure:						
Sequence analysis and measure of order; Deterministic chaos analysis methods; Combined simbol analysis, fractal analysis, correlation dimention, Lapunov exponent; Entropic analysis; Surrogate data; Transformation methods; Signal decomposition and repeated analysis.						
4. Teaching methods:						
Lectures. Auditory practice. Computer practice. Laboratory practice. Tutorial work.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Project defence		Yes	30.00	Written part of the exam - tasks and theory		Yes 70.00
Literature						
Ord.	Author	Title			Publisher	Year
1,	A. Aldroubi, M. Unser	Wavelets in Medicine and Biology			2nd Edition	2002
2,	R. Rangaraj	Biomedical Signal Analysis			2nd Edition	2003

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Table 5.2 Course specification

Course:		Corporate Communications Management				
Course id:	IM2914					
Number of ECTS:	4					
Teacher:	Lalić S. Danijela					
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:						
Objective of this course is directed towards gaining knowledge for strategic management of corporate communications. This course compliments master of engineering management profile in the field of human resources, necessary for accomplishing organizational goals.						
2. Educational outcomes (acquired knowledge):						
By the end of this course, students should be able to understand role and function of corporate communications in the industrial system, and to apply communication strategies as well as to measure their success in the context of established organizational goals.						
3. Course content/structure:						
Introduction to Corporate Communications. Importance of communication strategy research and planning. Communication and evaluation - implementation of communication strategy. Communication and information technologies development. Stakeholders relationship. Corporate identity and reputation. Specialistic fields in corporate communications. Crisis communication. Employee relations. Corporate Social responsibility and community relationship. Corporate communications in business and nonprofit organizations and public sector.						
4. Teaching methods:						
Teaching is done interactively, with the active participation of students in the teaching process. Exercises are designed with the aim of interactive work with small groups. Visiting lecturers are going to be included and wide range of case studies are going to be elaborated.						
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 50.00	
Lecture attendance		Yes	5.00	Coloquium exam	No 20.00	
Project		Yes	30.00	Coloquium exam	No 20.00	
Test		Yes	10.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Lalić, D.	Upravljanje komunikacijama - skripta		FTN, Novi Sad	2012	
2,	Arthur Bell, Dayle Smith	Management Communication		Wiley&Sons	2010	
3,	P. S. Tripathi	Communication Management A Global Perspective		Pranav Gupta	2009	
4,	Elizabeth Toth	The Future of Excellence in Public Relations and Communication Management		Taylor&Francis	2009	
5,	Joep Cornelissen	Corporate Communication A Guide to Theory and Practice		Sage Publications Ltd.	2011	

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Table 5.2 Course specification

Course:		Product and Service Management				
Course id:	IM2213					
Number of ECTS:	4					
Teacher:	Anišić M. Zoran					
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 aim of the course Products and service management is mastering: (1) advanced methods and techniques of product management and its performance in all phases of the life cycle, (2) knowledge and skills in developing new products and product families, synchronized through teamwork (3) Design of products according to individual customer requirements and product configurator. The subject Products and services Management rests on the subject of Product Development and aims to deepen knowledge and skills in the subject area through the development of an entrepreneurial approach to product management for students through the ability to identify defects in the preparation for their solution, then creativity and innovation to not only reached, already surpassed the competition and determination in making management decisions.						
2. Educational outcomes (acquired knowledge):						
Successful fulfillment of all obligations and passing the exam, students are able to (1) implement a strategy for product management, throughout the entire product line life cycle, (2) monitor, perceive and react to deficiencies in the products, initiating and directing marketing and R & D actions to correct them, (3) plan the development of new products and their families (4) use advanced techniques for integrated management requirements and function, product characteristics, necessary for entrepreneurs to generate innovative solutions.						
3. Course content/structure:						
Activities and tasks of products and services management . The role of managers in planning products and services. Product management strategy in line with company strategy. Shaping a sustainable life cycle manufacturer services. Advanced management functional requirements in PLM information system. Managing changes to existing products. Modification of functional characteristics, improve quality and style modifications in accordance with a given life cycle phase. Planning and managing the development of new products and services. The model costs in developing new products. A holistic approach to integrated modeling requirements. Generate and test new concepts. TRIZ method for generating innovative solutions. Design of products to suit individual customer requirements and product configurator and services (Mass Customization & Personalization). Creating after-sales service as a way to manage the product. Case studies.						
4. Teaching methods:						
Lectures are auditory, while the work on exercisesis is carried out partly auditory with individual project tasks, and partly in the computer lab with mandatory use of PLM software for product lifecycle management.						
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 30.00	
Lecture attendance		Yes	5.00			
Project		Yes	50.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Kuzmanović, S.	Menadžment proizvodima		UNS, N.Sad	2007	
2,	Anišić, Z.	Razvoj i menadž. proivoda u toku ž.c.		FTN, N.Sad	2011	
3,	Hvam, L. et all.	Product Customization		Springer	2008	
4,	Crawford, M. Benedetto A.	New Product Management, 10th ed.		McGraw-Hill	2011	
5,	Lehmann D., Russell S.W.	Product Management		McGraw-Hill	2001	

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Table 5.2 Course specification

Course:		Modeling and simulation in risk management				
Course id:	IM2715					
Number of ECTS:	4					
Teacher:		Sakulski M. Dušan				
Course status:		Elective				
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:						
Advanced use of information technology, with the aim of modeling and simulation to protect against the risk of catastrophic consequences.						
2. Educational outcomes (acquired knowledge):						
Students will be able to independently implement the model using the current situation of accidental software for modeling and simulation in order to protect against the risk of catastrophic consequences.						
3. Course content/structure:						
The mathematical basis of modeling (Numerical Mathematics) and applied programming errors and methodological approach. Numerical simulation, space simulation - current software based on 3D spatial approach with visualization and collaboration on projects. MATLAB, Wolfram Mathematica, Google Earth, Leica Virtual Explorer, AVS / Express, Gnuplot.						
4. Teaching methods:						
Lectures, exercises, part assignments, tests, 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 50.00
Lecture attendance			Yes	5.00		
Project			Yes	40.00		
Literature						
Ord.	Author		Title			Publisher Year
1,	Michelle K. Hall , C. Scott Walker , Anne Huth , Robert F. Butler, Larry P. Kendall, Jeff S. Jenness		Exploring the Dynamic Earth: GISInvestigations for the Earth Sciences			2009

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Table 5.2 Course specification

Course:		Internet and Social Media Communication				
Course id:	IM2817					
Number of ECTS:	4					
Teacher:		Lalić S. Danijela				
Course status:		Elective				
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:						
The objective of the course is to equip students with "big picture" of basic concepts and principles of communication on the Internet and Social Media. Course fulfills competences of master in engineering management by developing abilities and skills for effective communication, with the aim to use Internet and Social Media in their own business goals.						
2. Educational outcomes (acquired knowledge):						
After passing exam students will be able to understand Internet and Social Media communication, will understand new communication channels, and will be able to conduct research, plan, communicate, evaluate and deploy communication strategy for successful communication.						
3. Course content/structure:						
The changing nature of communication in the era of the internet and social media; importance of research, planning and evaluation in the process of communication; understanding and demonstrating the proper use of advanced techniques of communication on the internet and social media; tools for monitoring and measuring the impact of social media on websites; social media collaboration platforms; internet content management systems; modern ways of communication; networking; importance of formulating and implementing communication strategies on the internet and social media;						
4. Teaching methods:						
Lectures consists of many examples, case studies in the field of Internet and Social Media. Practical work is combined with experienced practitioners.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	
Exercise attendance			Yes	5.00	Coloquium exam	
Lecture attendance			Yes	5.00	Coloquium exam	
Term paper			Yes	20.00	Theoretical part of the exam	
Literature						
Ord.	Author		Title		Publisher	Year
1,	Lalić, D.		Komuniciranje na internetu i društvenim medijima - skripta		FTN, NoviSad	2012
2,	Deirdre K Breakenridge		Social Media and Public Relations: Eight New Practices for the PR Professional		Pearson Education LTD.	2012
3,	Rob Brown		Public Relations and the Social Web: How to Use Social Media and Web 2.0 in Communications		Kogan Page Publishers	2009
4,	Fuchs, Boersma, Albrechtslund & Sandoval		Internet and Surveillance: The Challenges of Web 2.0 and Social Media		Routledge	2012

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Table 5.2 Course specification

Course:		Protection against Chemical Harms, Fire and Explosion			
Course id:	ZR504				
Number of ECTS:	3				
Teachers:	Turk-Sekulić M. Maja, Vojinović-Miloradov B. Mirjana				
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:					
Chemical substances have certain physical and chemical properties upon which they are valued and have their basic, everyday application. Educational objective of the course is to acquire knowledge about properties of chemical compounds such as explosiveness, flammability or toxicity, due to which contact with these substance is danger to a greater or lesser extent.					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge in basic modalities which are manifested in mechanical, thermal and chemical toxic harmful effects of chemical compounds. The knowledge of conditions under which certain substances are explosively decomposed with the release of flame, significant amounts of energy or different degradation products. The knowledge of the toxicity degree of individual chemical compounds, precaution measure and protection in handling them.					
3. Course content/structure:					
Theory lectures: Direct impact of harmful substances (the ways of acting of toxic materials, toxicity assessment, poison and degree of toxicity, risk and hazard classification from harmful substances). Indirect effects of hazardous substances (fire and categories of chemical fire, risk assessment of chemical fire, risk of fire and explosion). Transportation of hazardous materials. Storage and packaging of dangerous materials. Working with hazardous and harmful substances. Safety measures. Hazardous waste materials. First aid instructions. Practice: During the practice, practical application and experiments illustrate topics covered in lectures, thus contributing to better visualization and understanding of these topics.					
4. Teaching methods:					
Lectures. Experimental and Auditory Practice. Consultations. The examination can be taken in two colloquiums. Both colloquiums are taken in the written form. Colloquiums are held during the colloquial weeks in the semester. Students who don't take the examination through colloquiums, have to take the final examination.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Homework		Yes	10.00	Coloquium exam	No 20.00
Homework		Yes	10.00	Coloquium exam	No 20.00
Laboratory exercise attendance		Yes	7.00	Oral part of the exam	Yes 30.00
Lecture attendance		Yes	3.00	Practical part of the exam - tasks	Yes 40.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	O. Stojanović, N. Stojanović, Đ. Kosanović	Štetne i opasne materije		Rad, Beograd	X
2,	I. Filipović, S. Lipanović	Opća i anorganska hemija, I i II (odabrana poglavlja)		Školska knjiga, Zagreb	X

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Table 5.2 Course specification

Course:		Visual Identity				
Course id:	IM2813					
Number of ECTS:	4					
Teacher:		Kovačević-Jureša I. Jelena				
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:						
With the development of new media and increasing influence of television in our society, media saturation is an inevitable result. Every day we make choices and decisions based on different principles of visual perception. The goal of this course is to train students to explore behind the reflex of visual perception and approach the perception of media space creatively and critically.						
2. Educational outcomes (acquired knowledge):						
Students will be able to perceive and understand how visual messages are coded into the sign						
3. Course content/structure:						
1. Introduction to the course / Observing, selection of information, perception, 2. Light, vision and seeing, 3. Keys of visual thinking: perception of space and color, stereotypes viewing; 4. Visual communication through visual messages; 5. Know how to see, visual identity, 6. Logo trademark 7. Books of graphic standards; 8. Typography, alphabet, pictograms and ideograms, typography as sign 9 Gestalt						
4. Teaching methods:						
Lectures, exercises, analysis of text, audio and video examples, consultations. Continuous evaluation through discussion and exercise assessment, assignments 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	50.00
Lecture attendance		Yes	5.00			
Presentation		Yes	10.00			
Project		Yes	30.00			
Literature						
Ord.	Author	Title		Publisher		Year
1,	Tanhofer, N.	O boji: na filmu i srodnim medijima		Novi Liber, Zagreb		2000
2,	Mollerup, P.	Marks of Excellence: The History and Taxonomy of Trademarks		Phaidon Press		1999
3,	Saks, D.	Savršena slova		Portalibris		2006
4,	Fileki, S.	26+30 PISMO - Istorija pisma i tipografije sa poukama za umetničku i pedagošku praksu		Univerzitet umetnosti u Beogradu		2010

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Table 5.2 Course specification

Course:		Operational Audit and Controlling				
Course id:	IM2426					
Number of ECTS:	5					
Teachers:		Nerandžić B. Branislav, Perović I. Veselin				
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 most important goal of the course is to enable students to understand modern instruments operational audit of the operational and strategic controlling in order to manage the company. Student, as an engineer, developed the skill of instruments and controlling operational audit to successfully combine technical and economic dimensions of their rada.Cilj course is to introduce the understanding of the processes controlling and operational audits, performance audits (value for money) as management tools.						
2. Educational outcomes (acquired knowledge):						
Acquiring knowledge and skills necessary for Practical implementation of standards and procedures internei operational auditing and controlling. Knowledge to effectively perform operational audits and controlling the company by engineers. The knowledge acquired is used in further education and in vocational subjects, applicable auditing standards and procedures, internal and operational auditing procedures applied and the instruments of strategic and operational controlling.						
3. Course content/structure:						
The system of internal supervision and internal control. Audit, types and principles. The methodology of financial audit. Strategic management accounting. Introduction to the operational audit. Broader evaluations of organization solvency. Overview of business flows according to the activities. Rating integration of business processes. Snapshot of business processes, identifying the shortcomings and weaknesses of business flows. Suggestions for improving the monitoring business trends in organization. Monitoring process indicators by questionnaire of activities. Reintegration operations in the system of internal control. Forming operations procedures. Re-engineering the organization's activities with benchmarking. Assessment of business risk. Auditors report operating and proposals for the introduction of strategic management tools organization. Development of practical examples of operational audit. History of the concept of controlling. Controlling generation. Concept of controlling. The tasks of controlling the attitude towards management. The principles, structures and controlling instruments. The importance of planning, operational and strategic planning. Management of costs, ABC method (practical example Activity Based Costing). Operational Controlling Instruments. Strategic Controlling Instruments. Balanced Scorecard. Application of the concept of controlling the different areas of business. The institutional aspect of controlling. Development of reports controllers (practical example). Techniques of presentation of controller's report. The prospect of controlling development. Offering controlling service.						
4. Teaching methods:						
Lectures, exercises, 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
Lecture attendance		Yes	5.00	Coloquium exam		No 20.00
Term paper		Yes	20.00	Oral part of the exam		Yes 70.00
Literature						
Ord.	Author	Title			Publisher	Year
1.	Dr Branislav Nerandžić	Interna - operativna revizija			Stylos, Novi Sad	2007
2.	Dr Veselin Perović	Kontroling			Rodacomm Novi Sad	2007
3.	Horvath Peter	Das Controlling Konzept			Haufe Verlag Minhen	2008
4.	Soltani,B.	Revizija-međunarodni pristup			Mate, Zagreb	2009

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Table 5.2 Course specification

Course:		Academic Research on Theoretical Bases of Master Thesis			
Course id:	0M5SIR				
Number of ECTS:	9				
Teachers:					
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
0	0	0	9	0	
Precondition courses		None			
1. Educational goal:					
Use of basic, theoretical and methodological, scientific, technical and professional knowledge and application of methods for solving specific problems in the selected area. In this part of the master work a student studies the problem, its structure and complexity and on the basis of conducted analysis draws conclusions about possible ways to solve it. Studying the literature student becomes familiar with the methods that are intended to solve similar tasks and the engineering practices in solving them. The goal of students activities in this part of the research is to acquire the necessary experience through solving complex problems and tasks and possibilities for the application of previously acquired knowledge into practice.					
2. Educational outcomes (acquired knowledge):					
Students are able to independently apply previously acquired knowledge in different areas that were previously studied, in order to review the structure of a given problem and its system analysis and the purpose of drawing conclusions about the possible directions to its resolution. Through the individual use of literature, students expand knowledge in the selected areas and study of various methods and papers relating to similar issues. In this way, the students develop the ability to conduct analysis and identify problems within a given topic. Practical application of acquired knowledge from different areas develops the students' ability to look at the place and role of engineers in the selected area, the need to cooperate with other disciplines and team work.					
3. Course content/structure:					
Formed separately in accordance with the needs of a particular master thesis, its complexity and structure. Students study the professional literature, bachelor and master theses that deal with similar topics, performs the analysis in order to find solutions for specific task which is defined by the master s thesis requirements. Part of course is organized in the form of independent study research. Study work includes active reading of primary findings related to the topic, organizing and performing experiments, numerical simulations and statistical analysis of data, writing and or presenting a paper at the conference from the specific scientific and educational fields to which the Master thesis is related.					
4. Teaching methods:					
The thesis supervisor formulates the task and presents is to the student. The student has the obligation to fulfil the task within the topic defined by the master thesis task, using the literature suggested by the supervisor. In the course of developing the thesis the supervisor can give additional instructions to the students, suggest the particular pieces of literature and provide additional guidance to assist the student produce a high quality master thesis. As part of the study and research work a student has consultations with the supervisor and if necessary with other teachers dealing with the topic of the thesis. Within the chosen topic a student also does certain measurements, testing, counting, surveys and forms of research, statistical data analysis of data as required by the thesis task.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Term paper		Yes	50.00	Oral part of the exam	Yes 50.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	grupa autora	časopisi sa Kobson liste			sve
2,	grupa autora	časopisi, diplomski i master radovi			sve

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Table 5.2 Course specification

Course:		Preparation and Defence of Master Thesis						
Course id:	0M5ZR							
Number of ECTS:	8							
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	8	
Precondition courses							None	
1. Educational goal:								
Students acquire the knowledge about the techniques, structure and form of writing a research report after completing analysis and other activities conducted within the given topic of the master thesis. By writing a master thesis students gain the experience of writing papers which require the description of the problem, the methods and procedures in conducting research and the obtained results. In addition, preparation and defence of master thesis has the goal of developing the students' ability to prepare the results of their individual form and present it in a suitable form to a wider audience as well as respond to comments and questions related to the thesis topic.								
2. Educational outcomes (acquired knowledge):								
Students are able to develop a systematic approach to the given problem, conduct analysis, apply the acquired knowledge and gain knowledge in other areas for the purpose of finding a solution to the given problem. By working independently on solving the given tasks, students gain awareness of the complexity of the problem in their professional field. By working on the master thesis students gain experience which they can use in practice when solving the problems in their professional field. In preparation for defending their results in public and answering the questions and comments of the thesis committee, the student attains the necessary practical experience on how to present the results of their individual or collective work before an audience.								
3. Course content/structure:								
The content is defined individually, in accordance with the needs and field to be covered by the master thesis. In consultation with the supervisor the student produces the master thesis in written form according to the rules of the Faculty of Technical Sciences. After preparation the student defends the thesis in public as arranged with the thesis supervisor and in accordance with the prescribed rules and procedures.								
4. Teaching methods:								
During the preparation of the master thesis the student consults with the thesis supervisor, and, if necessary, other professors who work in the area covered by the master thesis. The students writes the paper and, having obtained the approval of the thesis committee, provides them with bound copies of the work. The master thesis is defended in public, and the student is obliged to answer the questions and comments after the oral presentation.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory	Points	
Writing the master thesis		Yes	50.00	Master thesis defence		Yes	50.00	

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Table 5.2 Course specification

Course:		Functional Analysis			
Course id:	OML501				
Number of ECTS:	6				
Teachers:	Kovačević M. Ilija, Kostić Z. Marko				
Course status:	Elective				
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:					
Enabling students to develop abstract thinking and acquire basic knowledge in the field of Functional Analysis (Topological spaces; Metric spaces, Normed spaces, Hilbert spaces, Measure theory, Lebesgue integral)					
2. Educational outcomes (acquired knowledge):					
To use the acquired knowledge in further education and to postulate and solve mathematical models from functional analysis in engineering subjects					
3. Course content/structure:					
Theoretical aspects: Fundamentals of topology (Topological spaces; Metric spaces; Functions; Compactness; Connectivity; Complexity; Fixed point theorems). Normed spaces, L(X,Y) spaces, Hilbert spaces; Fourier analysis of Hilbert spaces. Three basic theorems of functional analysis. Bounded and linear operators. Spectral theory of bounded operators; Freshoe and Gatto operator inference. Topological vector spaces, Lebesgue measure and Lebesgue integral. Practice classes (placticals) During these classes the subject matter rom theory classes are supported by examples to provide futher practice and better understanding.					
4. Teaching methods:					
Lectures. Numerical and calculation practice. Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. During the practice classes which follow the lectures, the subject matter is supported by charactristic examples to provide futher practice and better understanding In addition to lectures and practice classes there are regular consultations. There is a possibility of taking partial examinations which cover certain logical units during the course in three modules: (module one: Fundamentals of topology, module two: Normed spaces, Hilbert spaces with operator theory, module three Topological vector spaces with Lebesgue measure and Lebesgue integral).					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	3.00	Final exam - part one	No 25.00
Lecture attendance		Yes	2.00	Final exam - part two	No 25.00
Project task		Yes	15.00	Written part of the exam - tasks and theory	Yes 50.00
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	I. Kovačević, N. Ralević	Funkcionalna analiza		FTN (Edicija tehničke nauke-udžbenici), Novi Sad	2004
2,	N.Ralević,I.Kovačević	Zbirka rešenih zadataka iz funkcionalne analize		FTN (Edicija tehničke nauke-udžbenici),Novi Sad	2004

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Table 5.2 Course specification

Course:		Partial Differential Equations			
Course id:	OML502				
Number of ECTS:	4				
Teacher:		Ralević M. Nebojša			
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 to develop abstract thinking and acquire knowledge in the field of partial differential equations					
2. Educational outcomes (acquired knowledge):					
To use the acquired knowledge in engineering subjects and in practice, to postulate and solve mathematical models in engineering subjects using the material covered in the course.					
3. Course content/structure:					
Theoretical part (lectures): Partial differential equations (introduction, Cauchy–Kowalevski theorem) First order equations (method of characteristics). Second order equations (classification, canonical forms, characteristic manifold for higher order equations) Cauchy problem for one dimensional wave equation – energy interval. Mixed problem for one dimensional wave equation. – Fourier method for separation of variables. Cauchy problem for heat conduction equation – maximum principle. Dirichlet and Neiman problem for Laplace’s equation – maximum principle. Numerical solution of PDE. Use of computer for solving PDE. Sobolev spaces. The notion of weak derivative. Weak solution for more dimensional wave equation. Mathematical physics equations. Schrodinger equation. Euler equation and Navier-Stokes equation.. Practice classes (placticals) During these classes the subject matter rom theory classes is supported by examples to provide futher practice and better understanding.					
4. Teaching methods:					
Lectures. Numerical and calculation practice. Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. During the practice classes which follow the lectures, the subject matter from theory classes is supported by charactristic examples to provide futher practice and better understanding In addition to lectures and practice classes there are regular consultations. There is a possibility of taking partial examinations which cover certain logical units during the course in three parts: part one: First and second order PDE, part two: Numerical solution of PDE. Use of computer for solving PDE , use of at least one software package Maple, Mathematica, Matlab, part three: Sobolev spaces. Mathematical physics 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 30.00
Lecture attendance		Yes	5.00	Practical part of the exam - tasks	Yes 40.00
Project defence		Yes	10.00		
Term paper		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	E. Pap	Parcijalne diferencijalne jednačine		Građevinska knjiga	1986
2,	P.R. Garabedian	Partial Differential Equations		Wiley	1964
3,	T. Dauxois, M. Peyrard	Physics of Solitons		Cambridge University Press, Cambridge, New York	2006

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Table 5.2 Course specification

Course:		Combinatorics and Graph Theory				
Course id:	OML503					
Number of ECTS:	6					
Teacher:	Doroslovački D. Rade					
Course status:	Elective					
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:						
Enabling students to develop abstract thinking and acquire basic knowledge in the field of combinatorics and graph theory.						
2. Educational outcomes (acquired knowledge):						
To use the acquired knowledge in further education and in engineering subjects, to postulate and solve mathematical models in engineering subjects using the knowledge acquired at this course						
3. Course content/structure:						
Fundamentals of configurations. Polynomial numbers . Inclusion and exclusion principles. Permutations. Recurrent formulas. Fibonacci numbers. Generative functions, System of different representatives, Combinatorics with words, Latin squares, Finite geometry, Codes, Operations with graphs. Connectivity. Trees. Eulerian and Hamiltonian graphs. Planar graph. Graph colouring. Digraphs and tournaments. Graph core. Graphs and games. Matrix representation of graphs. Algorithms and graphs. Graph spectrum.						
4. Teaching methods:						
The teaching process consists of theoretical part and practice classes where various practical problems are solved using the knowledge of the theoretical part.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points	
Lecture attendance		Yes	30.00	Written part of the exam - tasks and theory	Yes 70.00	
Literature						
Ord.	Author	Title		Publisher	Year	
1,	D. Cvetković, S.Simić	Kombinatorika klasična i moderna		Nučna knjiga, Beograd	1984	
2,	R. Tošić	Kombinatorika		Univerzitet u Novom Sadu	1999	
3,	R. Doroslovački, O. Marković	Kombinatorika na rečima		Feljton, Novi Sad	2000	
4,	V. petrović	Teorija grafova		Univerzitet u Novom Sadu, Novi Sad	1998	
5,	I. Bošnjak, D. Mašulović, V. Petrović, R. Tošić	Zbirka zadataka iz teorije grafova		Univerzitet u Novom Sadu, Novi Sad	2005	

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Table 5.2 Course specification

Course:		Operational Research			
Course id:	OML504				
Number of ECTS:	4				
Teacher:	Stojaković M. Mila				
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 to develop abstract thinking and acquire basic knowledge in the field of operational research.					
2. Educational outcomes (acquired knowledge):					
Ability to use the acquired knowledge in further education in engineering subjects so as to postulate and solve mathematical models from the field of operational research.					
3. Course content/structure:					
Markov processes, Birth-death processes, Poisson processes, Queuing theory, Markovian model; Combined arrivals and departures, Priorities, Series queues, Queues with general distribution, Analysis by imbedded Markov chain.					
4. Teaching methods:					
Lectures. Numerical and calculation practice. Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. During the practice classes which follow the lectures, the subject matter from theory classes is supported by charactristic examples to provide futher practice and better understanding In addition to lectures and practice classes there are regular consultations. There is a possibility of taking partial examinations which cover certain logical units during the course.					
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 55.00
Exercise attendance		Yes	5.00	Coloquium exam	No 25.00
Test		Yes	10.00	Oral part of the exam	Yes 15.00
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1.	Svetozar Vukadinović	Sistemi masovnih obsluživanja		Privredni pregled	2003
2.	Richard Bronson	Operations research		McGraw-Hill	1982

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Table 5.2 Course specification

Course:		Stochastic Processes			
Course id:	OML505				
Number of ECTS:	6				
Teachers:		Grbić P. Tatjana, Stojaković M. Mila			
Course status:		Elective			
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:					
Enabling students to develop abstract thinking and acquire basic knowledge in the field of random processes.					
2. Educational outcomes (acquired knowledge):					
Ability to use the acquired knowledge in further education in engineering subjects so as to postulate and solve mathematical models in the field of probability, statistics and random processes					
3. Course content/structure:					
Basic definitions in probability, conditional probability and Bayes` formula. Random variable of continuous and discrete type, distribution function. Two-dimensional random variable. Conditional distribution. Numerical properties – expectation, dispersion, covariance, correlation. Conditional expectation. Limit theorems. Statistics – point and interval ratings of parameters, parametric and nonparametric hypothesis and tests of significance. Stochastic processes – general terms. The transformation of a random process – differential, integral. Poisson process, white noise, a telegraph signal, Markov chains and processes, the processes of birth and death, mass servicing systems, stationary processes. Mass servicing systems. Stationary processes.					
4. Teaching methods:					
Lectures; Numerical calculation practice. Consultations. Lectures are combined. In lectures, theoretical part of the course is taught followed by typical examples for better understanding. In practice, which accompanies lectures, typical problems are solved and knowledge from the lectures is deepened. Besides lectures and practice, consultations are held on a regular basis. Part of the course, presenting a logical whole, can be passed during the teaching process in the form of the following 4 modules (the first module: theory of probability, the second module: random variable, the third module: statistics, the fourth module: random processes). Oral part of the examination is eliminatory.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	3.00	Written part of the exam - tasks and theory	Yes 40.00
Homework		Yes	5.00	Oral part of the exam	Yes 30.00
Lecture attendance		Yes	2.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Mila Stojaković	Slučajni procesi		Symbol,Novi Sad	2004
2,	Tatjana Grbić, Ljubo Nedović,	Zbirka rešenih zadataka iz verovatnoće		FTN	2003

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Table 5.2 Course specification

Course:		Models of Computation					
Course id:	OML512						
Number of ECTS:	4						
Teacher:		Pantović B. Jovanka					
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 fundamental knowledge in the field theory of computation.							
2. Educational outcomes (acquired knowledge):							
Knowledge about fundamental notions and results in the field of theory of computation.							
3. Course content/structure:							
Introduction to Mathematical Logic. Introduction to the Theory of Automata and Languages.							
4. Teaching methods:							
The presentation of the theoretical part during the lectures is followed by the characteristic examples which contribute to better understanding of the subject matter. The students are expected to individually study the additional literature which they discuss with the subject teacher at the consultation classes.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory	Points
Term paper		Yes	50.00	Theoretical part of the exam		Yes	50.00
Literature							
Ord.	Author	Title			Publisher		Year
1,	Michael Sipser	Introduction of Theory of Computation			PWS Publishing Company		1997
2,	Shawn Hedman	A First Course in Logic			Oxford University Press		2008
3,	Gradimir Vojvodić	Predavanja iz matematičke logike			PMF, Novi Sad		2007
4,	R.Madarasz, S. Crvenković	Uvod u teoriju automata i formalnih jezika			Stylos, Novi Sad		1995
5,	S. Crvenković , R. Madaras, N. Mudrinski	Zbirka zadataka iz teorije automata			PMF, Novi Sad		2005

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Table 5.2 Course specification

Course:		Semantics of programming languages				
Course id:	OML506					
Number of ECTS:	6					
Teacher:	Gilezan K. Silvia					
Course status:	Elective					
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 fundamental knowledge about semantics of programming languages and participating in scientific and research work.						
2. Educational outcomes (acquired knowledge):						
Knowledge about fundamental notions and results in the field of semantics of programming languages. Research in the narrow area of semantics, based on student's interests and in cooperation with researchers in the country and abroad.						
3. Course content/structure:						
Denotational semantics. Operational semantics. Axiomatic semantics.						
4. Teaching methods:						
The presentation of the theoretical part during the lecture classes is followed by the characteristic examples which contribute to better understanding of the subject matter. The students are expected to individually study the additional literature which they discuss with the subject teacher at the consultation classes.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points	
Term paper		Yes	50.00	Oral part of the exam	Yes 50.00	
Literature						
Ord.	Author	Title		Publisher	Year	
1.	G. Winskel	The Formal Semantics of Programming Languages		MIT, Boston	1993	
2.	R. Amadio, P.-L. Curien	Domains of Lambda Calculi		Cambridge University Press	1999	

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Table 5.2 Course specification

Course:		Numerical Solution of Differential Equations						
Course id:	OML518							
Number of ECTS:	4							
Teacher:		Uzelac S. Zorica						
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 fundamental methods for numerical solution of differential equations and enabling students to use the acquired knowledge in other general and engineering subjects.								
2. Educational outcomes (acquired knowledge):								
Students are competent to use methods of numerical solution of mathematical models in practice and in their further education in engineering subjects.								
3. Course content/structure:								
Ordinary differential equations (initial value problems). Ordinary differential equations (boundary value problems); finite difference method, collocation method, finite element method. Singularly perturbed boundary value problems. Partial differential equations: finite difference method for elliptic partial differential equations, finite difference method for wave equation, finite difference method for heat transfer equation.								
4. Teaching methods:								
Lectures, computing practice, consultations. The presentation of the theoretical part during the lectures is followed by the characteristic examples which contribute to better understanding of the subject matter. The practice classes which follow the lectures are devoted to practical tasks which contribute to better understanding of the material. In addition to lectures and practices there are regular consultations.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Term paper			Yes	50.00	Practical part of the exam - tasks		Yes	50.00
Literature								
Ord.	Author		Title			Publisher		Year
1,	Samarski, A. A		Teorija diferencijalnih šema			Nauka, Moskva		1983
2,	Kincaid, D., Cheney, W.		Numerical Analysis - Mathematics of Scientific Computing,			Brooks/Cole Publishing Company, California, USA		1991
3,	Mathews, J. H.		Numerical Methods for Mathematics, Sciences and Engineering,			Prentice - Hall Inc.		1992
4,	D. Herceg, N. Krejić		Numerička analiza			Stylos, Novi Sad		1997
5,	D. Radunović		Numeričke metode			Gradjevinska knjiga, Beograd		1995

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Table 5.2 Course specification

Course:		Logic in computer science				
Course id: 0ML507						
Number of ECTS: 6						
Teacher:		Gilezan K. Silvia				
Course status:		Elective				
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 fundamental knowledge in the field of mathematical logic and its application in computing as well as participating in scientific and research work.						
2. Educational outcomes (acquired knowledge):						
Knowledge about fundamental notions and results in the field of mathematical logic. Participating in the research in the particular area of logic, based on student's interests and in cooperation with researchers in the country and abroad.						
3. Course content/structure:						
Propositional calculus: axiomatic systems, natural deduction, sequent calculus. Predicate calculus. Proof theory. Godel's incompleteness theorem. Modal logic. Temporal logics. Set theory.						
4. Teaching methods:						
The presentation of the theoretical part during the lecture classes is followed by the characteristic examples which contribute to better understanding of the subject matter. The students are expected to individually study the additional literature which they discuss with the . subject teacher at the consultation classes.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Term paper			Yes	50.00	Theoretical part of the exam	Yes 50.00
Literature						
Ord.	Author		Title		Publisher	Year
1,	A. Nerode, R. Shore		Logic for Application		Springer-Verlag, Berlin	1997
2,	P. Janičić		Matematička logika u raunarstvu			2007
3,	K.Došen, Z.Marković, Ž.Mijajlović		Hilbertovi problemi i logika		Zavod za udžbenike i nastavna sredstva, Beograd	1986
4,	G.E.Hughes, M.J.Cresswel		Introduction to Modal Logic		Routhedge	1995

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Table 5.2 Course specification

Course:		Actuerial Mathematics						
Course id: OML519								
Number of ECTS: 4								
Teacher:		Doroslovački D. Rade						
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 to develop abstract thinking and acquire basic knowledge in the field of financial and actuarial mathematics.								
2. Educational outcomes (acquired knowledge):								
The acquired knowledge is used in further education and in engineering subjects and the students are able to practically apply the knowledge of financial and actuarial mathematics without memorization and use of formulas which frequently appear in different course books.								
3. Course content/structure:								
Lectures Theoretical part). Percentage calculus and simple interest calculus. Probability of life and death of a person. Term insurance. The insurance of capital, annual insurance premium. Practice classes (practices) are devoted to doing suitable examples which provide additional practice for the material covered at lectures and thus contribute to better understanding of the material.								
4. Teaching methods:								
Lectures; Numerical calculation practice. Consultations. Lectures are dynamic and interactive. In lectures, theoretical part of the course is taught followed by characteristic and typical examples for better understanding. In practices, which accompany lectures, typical problems are solved and knowledge from the lectures is deepened. Besides lectures and practice, consultations and group tutorials are held on a regular basis. Part of the course, presenting a logical whole, can be taken as partial examination during the course in the form of the following 2 modules (the first module: Financial mathematics , the second module: Actuarial mathematics.).								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory	Points	
Computer exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00	
Lecture attendance			Yes	5.00	Coloquium exam	No	10.00	
Test			Yes	10.00	Coloquium exam	No	10.00	
Test			Yes	10.00	Theoretical part of the exam	Yes	40.00	
Literature								
Ord.	Author		Title			Publisher		Year
1,	Dr Jelena Kočović		AKTUARSKE OSNOVE FORMIRANJE TARIFA			Centar za izdavačku delatnost, Ekonomski fakultet Beograd		2004
2,	Dr Jelena Kočović i Dr Tatiana Rakonjac-Antić		Zbirka rešenih zadataka iz finansijske i Aktuarske matematike			Centar za izdavačku delatnost, Ekonomski fakultet Beograd		2005

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Table 5.2 Course specification

Course:		Mathematical Foundations of Fuzzy Systems						
Course id:	OML508							
Number of ECTS:	6							
Teacher:		Ralević M. Nebojša						
Course status:		Elective						
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:								
Enabling students to develop abstract thinking and acquire knowledge about the theory of fuzzy systems.								
2. Educational outcomes (acquired knowledge):								
To use the acquired knowledge in engineering subjects and in practice, to postulate and solve mathematical models in engineering subjects using the material covered in the course.								
3. Course content/structure:								
Theoretical part of the course (lectures):I module: Aggregation operators. Fuzzy and ordinary sets. Operations with fuzzy sets. Fuzzy arithmetic. Fuzzy relations and relational equations. Fuzzy measures and integrals. Fuzzy logic. II module Approximative reasoning, Fuzzy systems, Fuzzy databases, Pattern recognition, Fuzzy decision theory, Engineering applications, Application of Fuzzy systems in medicine, economics, ecology. Use of computer - fuzzy toolbox., Practice classes (practices: In practice classes typical problems are solved and knowledge from the lectures is further developed, thus the practice classes contribute to better understanding of the subject matter.								
4. Teaching methods:								
Lectures. Numerical calculation classes. Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. During the practice classes which follow the lectures, the subject matter is supported by characteristic examples to provide futher practice and better understanding In addition to lectures and practice classes there are regular consultations. The students can take partial exams during the course in the form of the following two modules: from the I module (part one: Aggregation operators. Fuzzy and ordinary sets. Operations with fuzzy sets. Fuzzy arithmetic. part two: Fuzzy relations and relational equations. Fuzzy measures and integrals. Fuzzy logic. From the II module the students write a seminar paper which is defended orally. The oral part of the 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	30.00
Lecture attendance			Yes	5.00	Practical part of the exam - tasks		Yes	30.00
Project defence			Yes	10.00				
Term paper			Yes	20.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Klir J. G., Yuan B.		Fuzzy Sets and Fuzzy Logic: Theory and Applications			Prentice Hall PTR Upper Saddle River, New Jersey		1995
2,	Pap E.		Fazi mere i njihova primena			Univ. u Novom Sadu, Prirod. Mat. Fak., Novi Sad		1999
3,	Wang, Z., Klir J. G.		Fuzzy Measure Theory			Plenum Press, New York and London		1992
4,	P. Klement, R. Mesiar, E. Pap		Triangular norms			Kluwer Academic Publishers, Dordrecht		2000

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Table 5.2 Course specification

Course:		Applaid Abstract Algebra							
Course id:	OML509								
Number of ECTS:	6								
Teacher:		Doroslovački D. Rade							
Course status:		Elective							
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:									
Enabling students to develop abstract thinking and acquire basic knowledge in the field of applied abstract algebra.									
2. Educational outcomes (acquired knowledge):									
To use the acquired knowledge in further education and in engineering subjects, to postulate and solve mathematical models in engineering subjects using the knowledge acquired at this course.									
3. Course content/structure:									
• Lattices• Boolean Algebras• Finite Fields•Algebraic Structures• Coding Thoery• Cryptology•Formal Languages• Automata Theory									
4. Teaching methods:									
The teaching process consists of theoretical part and practice classes where various practical problems are solved using the knowledge of the theoretical part.									
Knowledge evaluation (maximum 100 points)									
Pre-examination obligations				Mandatory	Points	Final exam		Mandatory	Points
Lecture attendance				Yes	30.00	Written part of the exam - tasks and theory		Yes	70.00
Literature									
Ord.	Author			Title			Publisher		Year
1,	R.Sz. Madarasz, S. Crvenković			Uvod u teoriju automata i formalnih jezika			Univerzitet u Novom Sadu, Novi Sad		1995
2,	Lidl Pilc			Applied abstract algebra			Springr-Verlag		1984
3,	R. Doroslovački			Elementi opšte i linearne algebre			ALFA-GRAF NS		2006
4,	Sergiu Rudeanu			Boolean Functions And Equations			NORT-HOLAND PUBLISHING COMPANY		1974

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Table 5.2 Course specification

Course:		Geometry				
Course id: OML511						
Number of ECTS: 6						
Teacher:		Doroslovački D. Rade				
Course status:		Elective				
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:						
Generalization of vectors and spaces P/3 by studying tensors and differentiable manifold, which enables the study of different spaces and metrics.						
2. Educational outcomes (acquired knowledge):						
To use the knowledge of tensor calculus in studying physical phenomena in electromagnetics, for studying oscillations, fluids and other phenomena in Newtonian mechanics.						
3. Course content/structure:						
Tensor calculus, differentiable manifold, metric tensor, curvature tensor, torsion tensor. Almost complex and almost product structure on differentiable manifoldand their generalizations.						
4. Teaching methods:						
Consultations, lectures.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Test		Yes	10.00	Coloquium exam		No 70.00
Test		Yes	10.00	Theoretical part of the exam		Yes 70.00
Test		Yes	10.00			
Literature						
Ord.	Author	Title			Publisher	Year
1,	K.Yano	Differentiable manifolds			Springer	1987

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Table 5.2 Course specification

Course:		Introduction to Functional Programming Languages				
Course id: 0ML513						
Number of ECTS: 6						
Teacher:		Gilezan K. Silvia				
Course status:		Elective				
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 fundamental knowledge in the field offunctional programming languages untyed and typed LISP, Scheme, Haskell. Introduction to the theory and practice of proof assistance (interactive theorem proving) Coq, Isabelle/HOL. Participating in scientific and research work.						
2. Educational outcomes (acquired knowledge):						
Knowledge about fundamental notions and results in the field of functional programming languages theorem proofs. Participating in research in the particular aspect of the subject area, based on student's interests and in cooperation with researchers in the country and abroad.						
3. Course content/structure:						
Functional programming languages without types: LISP, SCHEME. Functional programming languages with types: ML, HASKELL, Theorem prover HOL, ISABELLE, COQ, LEGO						
4. Teaching methods:						
The presentation of the theoretical part during the lectures is followed by the characteristic examples which contribute to better understanding of the subject matter. The students are expected to individually study the additional literature which they discuss with the . subject teacher at the consultation classes.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Term paper			Yes	50.00	Theoretical part of the exam	Yes 50.00
Literature						
Ord.	Author		Title		Publisher	Year
1,	J. Mitchell		Foundation of Programming Languages		MIT Press, Boston	1996
2,	M. Gordon		Programming Languages Theory and Its Implementation		Prentice Hall	1988
3,	L.C. Paulson		Isabelle: A Generic Theorem Prover		Springer-Verlag, Berlin	1994
4,	Yves Bertot and Pierre Castéran		The Coq'Art – A book on Coq		Springer	2004

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Table 5.2 Course specification

Course:		Numerical Analysis							
Course id: OML517									
Number of ECTS: 6									
Teachers:		Adžić Z. Nevenka, Ralević M. Nebojša							
Course status:		Elective							
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:									
Enabling students to develop abstract thinking and acquire knowledge in the field of numerical mathematics.									
2. Educational outcomes (acquired knowledge):									
Students are competent to use methods of numerical solution of mathematical models in practice and in their further education in engineering subjects.									
3. Course content/structure:									
Numerical solutions of nonlinear equations. Numerical solutions of a system of linear and nonlinear equations. Numerical integration. Interpolation. Numerical solutions of differential equations:									
4. Teaching methods:									
Lectures, computing practice, consultations with the subject teacher and etching assistant. Two seminar papers covering the part of the course which represents a logical unit are obligatory. The final examination consists of a theoretical part (which is eliminatory) and practical tasks. The exams are written. The overall grade is based on the lecture and practices attendance, grades on seminar papers and final grade.									
Knowledge evaluation (maximum 100 points)									
Pre-examination obligations				Mandatory	Points	Final exam		Mandatory	Points
Computer exercise attendance				Yes	5.00	Written part of the exam - tasks and theory		Yes	50.00
Lecture attendance				Yes	5.00				
Term paper				Yes	20.00				
Term paper				Yes	20.00				
Literature									
Ord.	Author			Title			Publisher		Year
1,	Nevenka Adžić			Numerika					2001
2,	D. Kincaid i W. Cheney			Numerical Analysis			Pacific Grove, California		1991
3,	A.A. Samarskij			Uvod u numeričke metode			Nauka, Moskva		1982

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Table 5.2 Course specification

Course:		Reinsurance			
Course id:	IM2720				
Number of ECTS:	4				
Teacher:	Avdalović A. Veselin				
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:					
Introduce students to the basic elements of reinsurance.					
2. Educational outcomes (acquired knowledge):					
The acquisition of basic knowledge of reinsurance risk transfer as a way ..					
3. Course content/structure:					
Historical development of reinsurance, reinsurance functions; mechanism reinsurance, Reinsurance, Reinsurance Forms; Types of reinsurance protection; Alternative forms of reinsurance protection; reinsurance characteristics depending on the type of insurance, reinsurance program structure, internal statistics, the process of determining the price of reinsurance, financial and accounting aspects of reinsurance; Particular aspects of risk management (aggregation of exposures)					
4. Teaching methods:					
Lectures, practical exercises and 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		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Bijelić M.	Osiguranje i reosiguranje		Tektus, Zagreb	2002
2,	Robert Carter, Leslie Lucas & Nigel Ralph	Reinsurance		Reactions Publishing Group	2000

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Table 5.2 Course specification

Course:		Digital products design and Human-Computer Interaction			
Course id:	IM2821				
Number of ECTS:	4				
Teacher:	Mirković R. Milan				
Course status:	Elective				
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:					
This course aims to introduce students to fundamentals of user interface design, that will enable more effective interaction between users and computer. Students will, upon completing the course, be able to understand specific demands of user interface design for mobile devices and web applications, and they will be able to utilize advantages of different platforms while respecting their limitations at the same time.					
2. Educational outcomes (acquired knowledge):					
Students will learn to identify advantages of different platforms (web, desktop and mobile) within which interaction between users and computers (devices) occur. They will grasp the basic concepts of user interface design, and different methods applied to achieve the highest usability of end-product. Also, they will be introduced to different elements that are used during the UI design process, as well as some quality guidelines and demands when the end-product is in question.					
3. Course content/structure:					
Introduction to digital products design, Design process management, User interface design evaluation, Virtual environment, Commands and natural languages, Interaction devices, Collaboration and social media, Quality of service, Balancing between functionality and trends, User documentation, Information search and retrieval, Information visualization.					
4. Teaching methods:					
Case studies and good practice examples will be presented to students (using selected mobile devices and/or desktop computers), that emphasize advantages and outline limitations of different platforms. At computer lab exercises, students will develop their own UI (User Interface) for the chosen platform (Desktop, Web or mobile devices) and gain experience in appropriate IDE during the process.					
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 50.00
Lecture attendance		Yes	5.00		
Project		Yes	40.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Ben Shneiderman, Catherine Plaisant, Maxine Cohen, Steven Jacobs	Designing the User Interface: Strategies for Effective Human-Computer Interaction: International Version, 5E		Pearson Education	2010
2,	Lon Barfield	The User Interface: Concepts and Design		Addison-Wesley	1993
3,	Jesmond Allen, James Chudley	Smashing UX Design: Foundations for Designing Online User Experiences		Wiley	2012
4,	Colin Ware	Information Visualization, Third Edition: Perception for Design		Morgan Kaufmann	2012
5,	Milan Mirković	Dizajn digitalnog proizvoda i HCI, elektronska skripta		Fakultet tehničkih nauka u Novom Sadu	2013

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Table 5.2 Course specification

Course:		Talent Management						
Course id:	IM2921							
Number of ECTS:	4							
Teacher:		Katić R. Ivana						
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 about talent management strategies in order to attract, retain and engage talented individuals to improve future performance of the organization.								
2. Educational outcomes (acquired knowledge):								
Students will be able to: (1) analyze the process of talent management in the organization (2) application of a matrix to talent management (3) identify employees with high potential (4) offers quality programs for the retention of talented individuals (5) identify new business in the market resulting in the field of talent management.								
3. Course content/structure:								
The role of talent in the organization - the definition, scope and objectives of talent management, talent management development, the importance of talent management in contemporary organizations.								
The talent management strategy - defining the critical elements of planning and retention of talented employees, managing talent, process of talent.								
Psychological aspects of talent management - the importance of mental function as condition for the success of talent in the work, monitoring and measuring progress; incentive plans and programs;								
The development of high potential talent - defines how the business initiatives and new products using the talents, managing workplace effectiveness.								
Compensation and benefits programs for talented individuals - systems of compensation and benefits to attract talented employees, role adjustments on the effect of talent;								
4. Teaching methods:								
Team discussions, practical classes, workshops, role-playing, PowerPoint presentations, Internet research, case studies.								
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				
Project			Yes	40.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Vujić, D.		Menadžment ljudskih resursa i kvalitet (III izdanje)			Centar za primenjenu psihologiju, Beograd		2008
2,	Adižes,I.		Adižes o ličnom razvoju			Hesperia, Beograd		2012
3,	Cappelli, P.		Talent and Demand: Managing talent in an Age of Uncertainty			Harvard Business Press,US		2008
4,	Lance Berger, Dorothy Berger		The talent management handbook			McGraw Hill,US		2011
5,	Adižes,I		Adižes o ličnom razvoju			Hesperia, Beograd		2012

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Table 5.2 Course specification

Course:		Project evaluation			
Course id:	IM2319				
Number of ECTS:	4				
Teachers:		Lalić P. Bojan, Leber J. Marjan, Perović I. Veselin			
Course status:		Elective			
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:					
Objective of the couse is to develop ability to (1) enable students to identify KPIs on the project, (2) knowledge integration about project in order to decide about project launching, (3) understanding of value analysis and earned value management, (4) learning about establishing and tracking dashboard and evaluating techniques. The goal of the course is improvement and connection of project management style with deliverables.					
2. Educational outcomes (acquired knowledge):					
Students who complete this course successfully will be able to (1) define key indicators for project performance, (2) participate in bottleneck finding in project delivery and solution design, (3) establish matrix for project evaluation and use different techniques for analysis and project evaluation and (4) make decisions about project initiation concerning program issues and budget.					
3. Course content/structure:					
Introduction to Project Evaluation. Project Success Criteria. KPI. Review and project analysis. Causes and early project failure. Project evaluating with matrix performance indicators. Categories and matrix types. Indicators of results and performances. Selection of indicators and evaluation matrix. Usage and characteristics of key indicators of project performances. Project and value management. Value measurement, EVA analysis. Matrix design. Dashboards. Value management techniques for project and process. Evaluating of structural projects.					
4. Teaching methods:					
Lectures are auditory with theoretical treatment of the required number of case studies of project evaluating. Practice include team work on project evaluation and project simulations. Practices are delivered in computer classroom.					
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 70.00
Lecture attendance		Yes	5.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Palčić, I., Lalić, B., Marjanović, U.	Vrednovanje projekata		FTN, Novi Sad	2013
2,	Kerzner H.	Project Management Metrics, KPIs, and Dashboards		IIL	2011
3,	Kerzner H.	Advanced Project Management		Wiley	2004

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Table 5.2 Course specification

Course:		Investment Environment				
Course id:	IM2415					
Number of ECTS:	4					
Teacher:	Ivanišević V. Andrea					
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:						
Acquisition of basic knowledge related to investment climate, mastering processes and methods of Business Conduct under the dominant influence of the investment environment, criteria decision making on the coordination of business activities in accordance with the new changes.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge related to the understanding of the subject matter, exploring the concepts of structure and behavior of enterprises under the dominant influence of the investment environment, and the acquisition of knowledge related to successful managerial business management in accordance with the changes in the investment environment.						
3. Course content/structure:						
The term of the investment environment. Types of investment environment. The uncertainty in the investment environment and the types of uncertainty (economic, political and technological uncertainty). Elements of the investment environment. The process of managing change in the investment environment. Statagic access to investment environment. Valuation models most important impact of the investment environment and quantify their impact on corporate performance. New concepts and practices of management of the Business Management in the increasingly uncertain investment environment.						
4. Teaching methods:						
Lectures with student participation in interactive lectures, case studies, exercises, solving real problems in the management of investment environment, creative workshops.						
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 50.00	
Lecture attendance		Yes	5.00			
Project		Yes	40.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Ivanišević, A.	Investiciono okruženje - elektronska skripta		Fakultet tehničkih nauka u Novom Sadu	2012	
2,	Saunders A., Cornnet M.M.	Financial Institutions Management A. Risk Management Approach		McGraw-Hill /Irwin, New York	2006	
3,	Zvi Bodie, Alex Kane, Alan J. Marcus	Investment		McGraw Hill Boston	2002	

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Table 5.2 Course specification

Course:		Mathematical Game Theory						
Course id: IAM005								
Number of ECTS: 4								
Teacher:		Stojaković M. Mila						
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 educational objective of the course is to introduce basic concept of combinatorial game theory, with a special emphasis on the positional game theory. Suggested topics have both theoretical and practical importance. The knowledge of mathematical game theory contributes to the full understanding of the designing process, implementation and game design within computer animation.								
2. Educational outcomes (acquired knowledge):								
Acquisition of basic knowledge in the field of mathematical (combinatorial) games. Introduction to tools and techniques used in this field, as well as to possibilities and methods of their application.								
3. Course content/structure:								
1. Introduction concepts. Types of combinatorial games. Strategy. Game tree. Total min-max game tree search. Stealing the strategy. Probability approach. 2. Some combinatorial games. 3. Positional games. Definition. X and O. Pairing strategy. Strong and weak games. Maker-Breaker games. Basic concepts in the graph theory 5. Graphs games								
Part of the lectures consists of numerical simulation and possible writing of the term paper.								
4. Teaching methods:								
Lectures, Audio Practice and Consultations. During the Audio-Practice, the contents from the lectures are applied and exercised. During the semester, each student has to write the term paper worth 30% of the points. Parts of the course which represent a logical whole may be passed through two colloquiums. If the student wins at least 30% of possible points at each colloquium, it is considered that he passed the examination. At the examination the student may win up to 30% of the points. The course grade is formed based on the points won at the term paper, colloquiums and the knowledge demonstrated at the examination.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Project			Yes	30.00	Coloquium exam		No	20.00
					Coloquium exam		No	20.00
					Practical part of the exam - tasks		Yes	70.00
Literature								
Ord.	Author		Title			Publisher		Year
1,	Tatjana Grbić		Skripta iz matematičke teorije igara					2011
2,	D. Cvetković, S. Simić		Diskretna matematika-matematika za kompjuterske nauke			Naučna knjiga		1987
3,	J. Beck		Foundations of positional games					1996
4,	E.R. Berlekamp, J.H.Conway, R.K. Guy		Winning Ways			Academic Press, London		1982

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	<h2 style="margin: 0;">Study Programme Accreditation</h2>	
	<p>MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	

Table 5.2 Course specification

Course:		Event Management					
Course id:	IM2322						
Number of ECTS:	4						
Teacher:	Simeunović V. Nenad						
Course status:	Elective						
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:							
The aim of course is the introduction and overcoming the techniques and skills and activities that are necessary for the planning, promotion, implementation and evaluation of a successful event.							
2. Educational outcomes (acquired knowledge):							
Students will gain knowledge necessary for planning, organizing, leading and controlling processes directed to the realization of different types of the events with the different scope.							
3. Course content/structure:							
Introduction to event management. Basic definitions and characteristics of events. Event planning. Program planning activities. HR planning. Making teams of volunteers. Planning logistics support. Marketing planning activities. Sponsoring the event. Financial planning events. Safety and security of participants. Events legislation. Planning infrastructure needs. Preparation of documentation. Technical Support. Key elements of budget control. Reporting during the implementation. Risks and risk management strategy. Activities realized after the event							
4. Teaching methods:							
Classes are organized through auditory lectures and exercises supported with theoretical background of case studies. Exercises include auditory introducing students in observed issue, case study interactive solving. Students work in small groups on specific project task which aims to use the knowledge acquired. Public presentation is required. The final exam is in the form of a written test. Students can take the final exam when they successfully complete the project work.							
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,	Simeunović, N.	Menadžment događaja		FTN, Novi Sad		2013	
2,	Van der Vagen, L., Karlos, B.	Event Management – Upravljanje događajima		Mate, Beograd		2010	
3,	Van der Vagen, L., White, L.	Events Management		Elsevier Ltd.		2011	
4,	Goldblatt J.	Special Events		John Wiley & Sons		2002	

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	<h2 style="margin: 0;">Study Programme Accreditation</h2> <p style="margin: 0;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	

Table 5.2 Course specification

Course:		Loss Assessment				
Course id:	IM2719					
Number of ECTS:	4					
Teachers:	Avdalović A. Veselin, Ćosić I. Đorđe, Lisov R. Milimir					
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 goal of this course is to introduce students to the process of management of damages, and technical and technological consequences of the execution risk.						
2. Educational outcomes (acquired knowledge):						
After passing the exam, students will be able to assess the damage, determine the cause of the damage and to determine the economic size of the damage and to determine damages or compensation from the insurance.						
3. Course content/structure:						
The goals of the organization function of damages Confirmation of damage just compensation claims in the liquidation Stages Organization damage assessment conducted, and the principle of objective assessment of damage control damage control during the subsequent assessment Reservations damage claim settlement						
4. Teaching methods:						
Lectures, 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 50.00	
Lecture attendance		Yes	5.00			
Project		Yes	40.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Veselin Avdalović, Evica Petrović	Menadžment rizika u osiguranju		Ekonomski fakultet Niš	2011	
2,	Staniša Avdalović, Đorđe Ćosić, Veselin Avdalović	Osnove osiguranja sa upravljanjem rizika		Fakultet tehničkih nauka u Novom Sadu	2010	

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in Engineering	
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Table 5.2 Course specification

Course:		Nonlinear Analysis of Structures				
Course id:	GG516					
Number of ECTS:	4					
Teacher:	Lađinović Ž. Đorđe					
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 related to nonlinear analysis of line structures for diverse actions.						
2. Educational outcomes (acquired knowledge):						
Usability of the knowledge in the field of complex structure analysis for diverse actions and the capability for successful solving of concrete problems in the field of structure design.						
3. Course content/structure:						
Idealizations with linear static of line structures. Accurate theory on movement geometry and the balance conditions on a deformed rod. Material nonlinearity. Idealization with material nonlinearity. Links between interior and exterior forces with geometric nonlinearity. Knots equilibrium equations. Notion of imperfections, derivatives and solutions for differential equations for rods. Physical nonlinearity, basic notions. Approximation of physically nonlinear problems. General bilinear approximation. Plastic hinges and plastic analysis. Interaction of interior forces in physical nonlinearity. Simultaneous geometric and physical nonlinearity. Iterative procedures for calculating the bearing capacity and deformation of plane line systems. Computer application in solving nonlinear problems in line structures.						
4. Teaching methods:						
Interactive work with students in order to continually monitor their knowledge level. Theoretical analysis on the phenomena included in the course content and numeric modelling.						
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	40.00
Homework		Yes	20.00			
Term paper		Yes	30.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Prakash V., Powell G.H., Campbell S.	DRAIN-2DX – Base Program Description and User Gide		Department of Civ.Eng., University of California	1993	
2,	Wilson E.L.	Three-Dimensional Static and Dynamic Analysis of Structures		CSI, Berkeley	2002	
3,	Bathe K.J.	Finite Element Procedures		Prentice Hall	1996	
4,	Sullivan T., Priestley N., Calvi G	Seismic Design of Frame-Wall Structures		IUSS Press, Pavia, Italy	2006	

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Table 5.2 Course specification

Course:		Accidental Risk Management and the Environment				
Course id:	Z510					
Number of ECTS:	4					
Teachers:		Štrbac D. Dragana, Vojinović-Miloradov B. Mirjana				
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:						
Introducing students to the mutual relationship of the environment and managing accidental risks.						
2. Educational outcomes (acquired knowledge):						
Students acquire the knowledge they need in order to participate in complex management processes of accidental risks in the environment.						
3. Course content/structure:						
<ul style="list-style-type: none">• Hazards• Natural hazards• Hazards caused by human activity• Monitoring and assessment of hazards• Vulnerability• Introduction to the problems of vulnerability• The vulnerability of the environment• Indicators of integral vulnerability assessment• Vulnerability and Sustainable Development• Environmental risks• Introduction to the Theory of Risk• Risk Indicators• Evaluation and monitoring of risk• Analysis and risk reduction						
4. Teaching methods:						
Lectures, exercises, consultations. The material can be taken in the form of two partial exams, in writing. Students can pass the final exam through partial exams. Assessment of exam is based on the success of the partial exams or exams.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Computer exercise attendance		Yes	5.00	Written part of the exam - tasks and theory		Yes 45.00
Laboratory exercise attendance		Yes	5.00	Coloquium exam		No 20.00
Lecture attendance		Yes	5.00	Oral part of the exam		Yes 25.00
Term paper		Yes	15.00			
Literature						
Ord.	Author	Title		Publisher		Year
1,	Keith Smith	ENVIRONMENTAL HAZARDS		Routledge Press		2002
2,	Laslo Poljak	Priručnik za prevoz opasnih materija		Institut za preventivu, Novi Sad		2006



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 06. Programme Quality, Contemporaneity and International Compliance

The study programme is coordinated with contemporary international scientific trends and state of the professional field and is comparable with similar programmes at higher education institutions abroad. Mathematics in Engineering study programme is formed in such a way to be complete and comprehensive and provide students with the latest scientific and professional knowledge in this field.

Mathematics in Engineering study programme is comparable and coordinated with:

1. Faculty of Electrical Engineering – Belgrade, Applied Mathematics, www.etf.ac.yu
2. Tennessee Technological University, www.tntech.edu
3. Massachusetts Institute of Technology, www.mit.edu



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 07. Student Enrollment

Faculty of Technical Sciences announces competition for admission of candidates to the study programme of Graduate Academic Studies Mathematical in Engineering in accordance with the social needs, available resources and approved number of students in the accreditation procedure. The number of students to be enrolled and the method of financing their studies (budget or self-financed) is defined each year by the special Decision of the Teaching Academic Council of the Faculty of Technical Sciences.

Candidates, who completed adequate undergraduate four-year academic studies worth at least 240 ECTS credits, which is defined by the Regulations of the Student Enrolment to the Study Programmes, may apply to the admission competition.

The Committee for the Study Programme Quality of the Graduate Academic Studies in Architecture and Urban Planning evaluates the previously completed study programmes of all applied candidates and makes the decision whether or not they are adequate for the enrolment.

Candidates who completed the adequate study programme, according to the Committee's opinion, acquire the right to enroll the Graduate Academic Studies. The Committee for Quality makes the decision whether the candidates, who have the right to enroll, have to take the entrance examination. If the Committee for Quality makes the decision on taking the entrance examination, then the candidates take the entrance examination: Testing the knowledge in the field of the study programme.

The final ranking list for enrolment of the candidates is formed based on the success during previous education, on the duration of the studies and achieved success at the entrance examination, as defined by the Regulations of the Student Enrolment to the Study Programmes.

In accordance to the Regulations of the Student Enrolment to the Study Programmes, the Committee has the right to approve the enrolment of candidates who did not complete the adequate undergraduate academic studies lasting four years and worth at least 240 ECTS credits, only if there are free places left after all candidates, who fulfill the set conditions by the Competition (adequate undergraduate academic studies, passed entrance examination), had enrolled. Candidates who did not complete the adequate study programme of undergraduate academic studies, according to the professional opinion of the Committee, may be allowed to enroll if the entrance examination is passed. In this case, the Committee determines the difference in examinations that need to be passed from the undergraduate academic studies for each of these candidates individually. The sum of the ECTS courses which are determined by this difference must not exceed 30 (thirty).

The members of the Committee for Quality are the managers of the given study programme and the heads of the departments of the study programmes these courses belong to, or professors assigned by the heads of the departments in accordance to the Regulations of the Student Enrolment to the Study Programmes.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in 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 the success at 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 students' work load during a course and on the Faculty of Technical Sciences' unique methodology for all study programmes. Students' success in mastering a certain course is continually monitored during classes and is expressed in points. The maximum number of points obtained in a course is 100.

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

Each course at the study programme has a clear and transparent mode of obtaining points. The ways of obtaining points during the classes includes the number of points obtained on the basis of each individual activity during the classes or completing pre exam assignments and by passing the course examination.

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

For students to be able to take a course examination, they have to obtain at least 15 points of the overall number of points through pre exam assignments during the semester. Additional requirements for taking the examination are defined separately for every course.

Student advancement during the studies is defined by the Rule book on postgraduate academic studies.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 09. Teaching Staff

For the realization of the Mathematics in Engineering study programme, there is the faculty staff with necessary professional and academic qualifications.

The number of teachers meets the needs of the curriculum and is determined by the number of subjects and number of hours of instruction in these subjects. The total number of teachers is sufficient for the realization of total hours of instruction on the academic program, so that they achieve an average of 180 contact hours per year (lectures, consultations, exercises, practical work ...), or on average 6 hours per week. Of the total number of teachers needed, all 100% are in full-time employees at the Faculty of Technical Sciences.

The number of assistant staff meets the needs of the study program. The total number of associates on the study program is sufficient for the realization of the total number of hours of instruction in the program so that the associates achieve an average of 300 contact hours per year or an average of 10 hours per week.

The scientific and professional qualifications of the teaching staff match the educational scientific field, and level of their responsibilities. Each teacher has at least five references from the specific scientific or professional field he/she teaches at the study program.



The size of a group for lectures is up to 32 students, a group for practice classes has 16 students and a group for laboratory practice has up to 8 students.



None of the teachers has more than 12 classes per week. All data on teachers and associates (CV, appointments, references) have been made available to the general public.

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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



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		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
		Study Programme Accreditation		
		MASTER ACADEMIC STUDIES	Mathematics in 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.			

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	Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in 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

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Science, arts and professional qualifications



Name and last name:		Anišić M. Zoran	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2002	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	1997	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1993	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.	II1012	Assembly Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	IM1011	Applied Operational Research	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
3.	IM1013	Product Development	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1112	Technological and Business Forecasting	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1212	Decision Theory	(I20) Engineering Management, Undergraduate Academic Studies
6.	IMDS67	Selected Chapters in Product Lifecycle Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
7.	IMDSP1	Selected Chapters in Design for Excellence	(I12) Industrial Engineering, Specialised Academic Studies
8.	PLM02	Product Development and Management in PLM	(I10) Industrial Engineering, Master Academic Studies (I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
9.	IM2207	Technology management	(I20) Engineering Management, Master Academic Studies
10.	IM2213	Product and Service Management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
11.	IM2216	Technology transfer and intellectual property management	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies (I20) Engineering Management, Master Academic Studies
12.	PLM02	Applied Product Development	(I20) Engineering Management, Specialised Professional Studies
13.	IMDR67	Selected Chapters in Product Lifecycle Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
14.	IMDR91	Product Family Development and Product Configurators	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
15.	IMDR92	Advanced Forecasting Methods and Techniques	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	IMDRP1	Selected Chapters in Design for Excellence	(F00) Graphic Engineering and Design, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Čosić, I., Anišić, Z., Lazarević, M.: Tehnološki sistemi u montaži, FTN, Novi Sad, str.290, UDK 621.717-52(075.8), ISBN 978-86-7892-448-4, 2012		

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
Representative references (minimum 5, not more than 10)			
2.	Ćosić, I., Anišić, Z.: Tehnologije montaže - priručnik za vežbe, FTN Novi Sad, str.255, UDK 658.515(075.8)(076) ISBN 978-86-7892-390-6, 2012.		
3.	Ćosić, I., Anišić, Z.: MONTAŽNE TEHNOLOGIJE – POSTUPCI I SISTEMI ZA SPAJANJE, Novi Sad, Fakultet tehničkih nauka, 2006. 130str., UDK: 621.88(075.8), ISBN 86-85211-73-5.		
4.	Anišić, Z.: RAZVOJ POSTUPKA ZA DINAMIČKO MODELIRANJE I TEHNOEKONOMSKU OPTIMIZACIJU MONTAŽNIH SISTEMA, Fakultet tehničkih nauka, Novi Sad, 1997,		
5.	Anišić, Z.: SOME RESULTS OF THE IMPLEMENTATION OF THE MC CONCEPT IN SMALL COMPANIES, 2nd International Conference on Mass Customization in Central Europe, Rzeszow, Poland: Univesrity for Technology and Informatics, 2006, str. 5-25, ISBN 83-87658-96-0.		
6.	Suzić N., Anišić Z., Ćosić I.: Reconfiguring Production and Organizational Structures for Mass Customization in Furniture Industry; Chapter 20 of Innovative Production Systems Key to Future Inteligent Manufacturing; Scientific Monography, Maribor, University of Maribor, Faculty of Mechanical Engineering, Maribor; Faculty of Mechanical Engineering, Skopje, 2010, str. 257-275, ISBN 978-961-248-250-3		
7.	Anišić, Z., Krsmanović, C.: ASSEMBLY INITIATED PRODUCTION AS A PREREQUISITE FOR MASS CUSTOMIZATION AND EFFECTIVE MANUFACTURING, Strojniški vestnik - Journal of Mechanical Engineering 54(2008)9, 607-618, UDC 658.5.		
8.	Firstner (Fürstner) I., Anišić Z., Takač M.: Product Configurator Self-Adapting to Different Levels od Customer Knowledge, Acta Polytechnica Hungarica – Journal of Applied Sciences, 2012, Vol. 9, No 4, pp. 129-150, ISSN 1785-8860		
9.	Suzić N., Stevanov B., Ćosić I., Anišić Z., Sremčev N.: Customizing Products trough Application of Group Technology: A Case Study of Furniture Manufacturing, Strojinski vestnik = Journal of Mechanical Engineering, 2012, ISSN 0039-2480		
10.	Gečevska V., Lombardi F., Čuš F., Anišić Z., Angelidis D., Veza I., Vasilevska S., Ćosić P.: PLM – Product Lifecycle Management Strategy for Innovative and Competitive Business Environment, Maribor, University of Maribor, Faculty of Mechanical Engineering, Faculty of Mechanical Engineering Skopje, 2010, str. 193-208, ISBN 978-961-248-250-3		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		43	
Total of SCI(SSCI) list papers :		3	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 0 International : 1 </div>

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in Engineering		

Science, arts and professional qualifications



Name and last name:		Avdalović A. Veselin	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2012		Production Systems, Organization and Management
PhD thesis	2000	Faculty of Economics - Subotica	Economic Science
Magister thesis	1997	Faculty of Economics - Subotica	Economic Science
Bachelor's thesis	1992	Faculty of Economics - Subotica	Economics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	URZP47	Fire Risk Management in Industry	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP60	Risk Analysis Methods	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	IM1024	Risk Management and insurance	(I20) Engineering Management, Undergraduate Academic Studies
4.	S0I321	Insurance for traffic and transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	URZP80	Basic principals of insurance	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	OIR001	Basic insurance	(I20) Engineering Management, Specialised Professional Studies
7.	OIR002	Insurance risks	(I20) Engineering Management, Specialised Professional Studies
8.	IM2719	Loss Assessment	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
9.	IM2720	Reinsurance	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
10.	IMDS75	Selected Topics in Risk Management and Insurance Management	(I22) Engineering Management, Specialised Academic Studies
11.	IMDR75	Selected Topics in Risk Management and Insurance Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Menadžment rizikom u osiguranju, Beograd, Želind, 2000. ISBN 86-7307-104-6		
2.	Osiguranje i upravljanje rizikom, Subotica, Birografika, 2003. UDK: COBISS.SR-ID 185914119		
3.	Menadžment - marketing osiguranja, Subotica, Merkur, 2004. UDK: COBISS.SR-ID 196573959		
4.	Osiguranje i upravljanje rizikom, Novi Sad, DDOR, 2005. UDK: COBISS.SR-ID 120990476		
5.	Osiguranje i teorija rizika, Beogradska bankarska akademija i CAM Novi Sad, 2006. ISBN 86-7852-007-8		
6.	Osiguranje, Beograd, Beogradska bankarska akademija, 2007. ISBN 978-86-7852-013-6		
7.	Principi osiguranja, Novi Sad, Fakultet tehničkih nauka, 2007. ISBN 978-86-7892-058-5		
8.	Ispitivanje instrumentalnih komponenti u menadžmentu društva za osiguranje i reosiguranje, Univerzitet u Novom Sadu, Ekonomski fakultet Subotica, 1997.		
9.	Menadžment kontroling društva za osiguranje, Univerzitet u Novom Sadu, Ekonomski fakultet, Subotica, 2000.		
10.	Veselin Avdalović: Kreativne tehnike u definisanju i rešavanju strategijskih problema organizacije, Strategijski menadžment, 1997, No. 2, str. 64- 69, ISSN 0354-8414.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	

	UNIVERSITY OF NOVI SAD				
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	Study Programme Accreditation				
MASTER ACADEMIC STUDIES		Mathematics in Engineering			
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Bajić D. Dragana	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 22.09.2000	
Scientific or art field:		Telecommunications and Signal Processing	
Academic carier	Year	Institution	Field
Academic title election:	2006	Faculty of Technical Sciences - Novi Sad	Telecommunications and Signal Processing
PhD thesis	1995	School of Electrical Engineering - Beograd	Telecommunications and Signal Processing
Magister thesis	1989	School of Electrical Engineering - Beograd	Telecommunications and Signal Processing
Bachelor's thesis	1984	School of Electrical Engineering - Beograd	Telecommunications and Signal Processing
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EK313	Computer Communication	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	BMI105	Statistical basics, processing and modelling of biomedical signals	(BM0) Biomedical Engineering, Undergraduate Academic Studies
3.	BMI123	Advanced biomedical signal analysis	(BM0) Biomedical Engineering, Undergraduate Academic Studies
4.	EK202	Communication networks - introduction	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EK458	Telecommunication networks	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EK460	Biomedical signal processing	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	ETI21	Communication Protocols	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
8.	DE110S	Stochastic Processes in Telecommunications	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
9.	DE411S	Signal processing in medical research	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	EK530	Nonlinear Biomedical Signal Processing	(OM1) Mathematics in Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	EK531	Multuser Detection	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	SI029	Biomedical signal processing	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
13.	BMIM2B	Biomedical statistics	(BM0) Biomedical Engineering, Master Academic Studies
14.	BMIM2C	Multivariable analysis and complexity of physiological processes	(BM0) Biomedical Engineering, Master Academic Studies
15.	BMIM2D	Information theory in biosystems	(BM0) Biomedical Engineering, Master Academic Studies
16.	EK550	Speech Technologies	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	DE110	Stochastic Processes in Telecommunications	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	DE411	Signal Processing in Medical Research	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, 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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
Representative references (minimum 5, not more than 10)			
1.	Dragana Bajić: Search, Sequences, Synchronization and States: a different approach, Novi Sad, FTN, recenzenti: dr Werner Teich, University of Ulm, dr Tricia Willinks, CRC Ottawa Canada, 2006. 242str., ISBN 86-7892-024-6.		
2.	Reichman A., Tacada J., Bajić D., et al: Body Communications, in: Roberto Verdone; Alberto Zanella, (Eds.): Pervasive Mobile and Ambient Wireless Communications, Springer, 2012, Hardcover, pp 609-660, ISBN 978-1-4471-2314-9		
3.	Bajić D.: Sequence synchronization technique, in: L. Correia (Ed) Towards Mobile Broadband Multimedia Networks,, Academic Press Elsevier Ltd, Oxford U.K, 2006,ppr. 77-79, ISBN 13: 978-0-12-369422-		
4.	Bajić D., Drajić D.: Statistical Analysis of Digital Signals and Systems, in: Bane Vasić, Erozan Kurtas (ED): Coding and Signal Processing for Magnetic Recording Systems, , CRC Press LLC, New York, 2005,pp. 7-7, ISBN 0-8493-1524-7		
5.	Stefanović Č., Bajić D.: On the Search for a Sequence from a Predefined Set of Sequences in Random and Framed Data Streams, IEEE Transactions on Communications, 2012, Vol. 60, No 1, pp. 189-197, ISSN 0090-6778		
6.	Lončar-Turukalo T., Japundžić-Žigon N., Bajić D.: Temporal Sequence Parameters in Isodistributional Surrogate Data: Model and Exact Expressions, IEEE Transactions on Biomedical Engineering, 2011, Vol. 58, No 1, pp. 16-24, ISSN 0018-9294		
7.	D. Drajić, D. Bajić: "Communication System Performances – Achieving the Ultimate Information-Theoretic Limits?", IEEE Communications Magazine, Vol. 40, No. 6, May 2002. pp 124-129 ISSN 0163-6804.		
8.	D. Bajić: "New simple method for solving the first passage time problem", Electronics Letters, 1991, Vol. 27. No. 16, pp 1419-1421. ISSN 0013-5194.		
9.	D. Bajić, D. Drajić: "Time-varying Viterbi decoding for correlated data", Electronics Letters, 1993, Vol. 29. No. 4, pp 335-337. ISSN 0013-5194.		
10.	D. Bajić, D. Drajić: "Information theory approach to frame synchronisation problem", Electronics Letters, 1994, Vol. 30. No. 20, pp 1667-1668. ISSN 0013-5194.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		156	
Total of SCI(SSCI) list papers :		14	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 1 International : 3 </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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Ćosić I. Đorđe	
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 career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
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.	URZP33	Role and Importance of Prevention in Risk Reduction	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP36	Risks in Manipulating Hazardous Substances	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	URZP41	Disasters and Vulnerability	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	URZP46	Cycle Elements of Catastrophic Events	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP56	Fundamentals of Risk and Fire Protection Management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	IM1024	Risk Management and insurance	(I20) Engineering Management, Undergraduate Academic Studies
7.	S0I321	Insurance for traffic and transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	URZP80	Basic principals of insurance	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
9.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
10.	OIR001	Basic insurance	(I20) Engineering Management, Specialised Professional Studies
11.	OIR002	Insurance risks	(I20) Engineering Management, Specialised Professional Studies
12.	Z511	Institucionalni okviri upravljanja akcidentnim rizicima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
13.	ZP501	Integrated Natural Disaster Risk Management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
14.	IM2707	Methods for the analysis of insurance risk	(I20) Engineering Management, Master Academic Studies
15.	IM2714	Disaster risk management cycle	(I20) Engineering Management, Master Academic Studies
16.	IM2717	Management of strategic and operational risks of insurance companies	(OM1) Mathematics in Engineering, Master Academic Studies
17.	IM2719	Loss Assessment	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
18.	IMDS75	Selected Topics in Risk Management and Insurance Management	(I22) Engineering Management, Specialised Academic Studies
19.	MPK009	Enviromental hazards	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
20.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
21.	IMDR75	Selected Topics in Risk Management and Insurance Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
22.	ZRD233	Selected topics in the field of insurance from the standpoint of safety and health at work	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Pečujlija M., Čosić Đ.: An Orthodox Christian Reflection: Genetic Enhancement Must not be the Creation Primacy Problem between Man and God, The American Journal of Bioethics, 2010, Vol. 10, No 4, pp. 78-80, ISSN 1526-5161		
2.	Pečujlija M., Čosić Đ., Bojanić R., Radišić S., Ivanović G., Delić Z.: Employees' Attitudes Towards Company Privatization as Possible Predictors of a High Performance Working System, African Journal of Business Management, 2011, Vol. 5, No 3, pp. 1663-1672, ISSN 1993-8233		
3.	Čosić Đ., Popov S., Sakulski D., Pavlović A.: Geo-Information Technology for Disaster Risk Assessment, Acta Geotechnica Slovenica, 2011, Vol. 8, No 2011/1, pp. 64-74, ISSN 1854-0171		
4.	Pečujlija M., Azemović N., Azemović R., Čosić Đ.: Leadership and productivity in transition: employees view in Serbia, Journal for East European Management Studies, 2011, Vol. 16, No 3, pp. 251-263, ISSN 0949-6181		
5.	Njegomir V., Čosić Đ.: Ekonomske implikacije klimatskih promena na sektor osiguranja i reosiguranja, Teme, 2012, Vol. 36, No 2, pp. 679-701, ISSN 0353-7919		
6.	Sakulski D., Čosić Đ., Popov S.: Implementation of Innovative Technologies for Disaster Risk Reduction, 1. International Conference Natural Hazards, Novi Sad: University of Novi Sad, Faculty of Science, 5 Maj, 2012, pp. 15-16, ISBN 978-86-7031-276-0		
7.	Sakulski D., Čosić Đ., Popov S., Pavlović A., Laban M.: Disaster risk management and fire safety, 1. International conference Protection, Ecology, Security, Bar: Fakultet za pomorstvo Kotor, 24-26 Maj, 2012, pp. 75-81		
8.	Simić J., Popov S., Čosić Đ., Sakulski D., Novaković T., Popović Lj., Pavlović A., Luhović A.: The aspect of bringing data in spatial relationship during the process of teaching at the subject "Disaster risk management", UDK: 37.01:004 (082)		
9.	Pavlović A., Čosić Đ., Popov S., Kolaković S.: Indikatori praćenja hazardnih pojava poplave i suše u cilju poboljšanja planiranja melioracija, Tematski zbornik radova "Melioracije 07 - stanje i perspektive-", 2012, No 12, pp. 136-146, ISSN 978-86-7520-107-6, UDK: 626.8(082)		
10.	Popović Lj., Popov S., Čosić Đ., Sakulski D.: Impact of Visualization on Data Availability, UDK: CIP je dostupan u Univerzitetskoj biblioteci Rijeke pod brojem 121219001		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		5	
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</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 career	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	Applied 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		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in Engineering		
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 (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.	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 Itersection 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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Gilezan K. Silvia	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.04.1984	
Scientific or art field:		Mathematics	
Academic carier	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1993	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1988	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1981	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.	GH404	Mathematical Statistics	(G00) Civil Engineering, Master Academic Studies (G00) Civil Engineering, Undergraduate Academic Studies
2.	GI303B	Probability and Mathematical Statistics	(G10) Geodesy and Geomatics, Undergraduate Academic Studies
3.	IAM003	Formal Mathematical Models	(F10) Engineering Animation, Undergraduate Academic Studies
4.	S011	Mathematics 1	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	Z203	Statistical Methods	(Z01) Safety at Work, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
6.	IM1012	Probability and Statistics	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
7.	OM506	Semantics of Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
8.	OM507	Logic in Computer Science	(OM1) Mathematics in Engineering, Master Academic Studies
9.	OM513	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
10.	OML506	Semantics of programming languages	(OM1) Mathematics in Engineering, Master Academic Studies
11.	OML507	Logic in computer science	(OM1) Mathematics in Engineering, Master Academic Studies
12.	OML513	Introduction to Functional Programming Languages	(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.	GH404	Mathematical Statistics	(G00) Civil Engineering, Master Academic Studies (G00) Civil Engineering, Undergraduate Academic Studies
15.	SD0M06	Logic in Computer Science	(G10) Geodesy and Geomatics, Specialised Academic Studies

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		MASTER ACADEMIC STUDIES		Mathematics in Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies		
17.	D0M05	Semantics of Programming Languages	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
18.	D0M06	Logic in Computer Science	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
19.	D0M11	Models of Computation	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
20.	D0M12	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
21.	D0M13	Theory of Mobile Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
22.	D0M14	Process Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
23.	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		
24.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	"Inhabitation in lambda calculus with intersection and union types", Journal of Logic and Computation 6 (1993) 671-685, Oxford University Press				
2.	"Characterizing strong normalization in the Curien-Herbelin symmetric lambda calculus: extending the Coppo-Dezani heritage, (sa D.Dougherty, P.Lescanne) Theoretical Computer Science 2007				
3.	"Separating Points by Parallel Hyperplanes " (sa J. Pantovic, J. Zunic), IEEE Transactions of Neural Networks 18(5) (2007) 1356-1363				
4.	"Lambda terms for natural deduction, sequent calculus and cut elimination" (sa H.P.Barendregt), Journal of Functional Programming, 10 (2000) 121-134.				
5.	"Confluence of untyped lambda calculus via simple types" (with V.Kuncak), ICTCS'01, Lecture Notes in Computer Science 2201, 38-49.				
6.	"Full intersection types and topologies in lambda calculus", Journal of Computer and System Sciences, 62 (2001) 1-14.				
7.	"Behavioural inverse limit lambda models" (sa M. Dezani-Ciancaglini, S. Likavec), Theoretical Computer Science Vol 316/1-3 (2004) 49-74.				
8.	"Strong normalization of the classical sequent calculus" (sa D. Dougherty, P. Lescanne, S.Likavec), Lecture Notes in Computer Science 3835 (2005) 169-183.				
9.	"Security types for dynamic web data" (sa M.Dezani-Ciancaglini, J. Pantovic), Trustworthy Global Computing, TGC'06, Lecture Notes in Computer Science 4661 (2007) 263-280.				
10.	Zbirka rešenih zadataka iz statistike (sa Z.Lužanin, Z.Ovcin, Lj.Nedović, T.Grbić, B.Mihailović) 2005				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		325			

	<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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>				
Total of SCI(SSCI) list papers :	17				
Current projects :	Domestic :	2	International :	4	

	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in Engineering		



Science, arts and professional qualifications



Name and last name:		Gospić M. Nataša	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Transport and Traffic Engineering - Beograd 15.09.1972	
Scientific or art field:		Traffic Engineering	
Academic career	Year	Institution	Field
Academic title election:	2005	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
PhD thesis	1996	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Magister thesis	1990	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
Bachelor's thesis	1982	Faculty of Transport and Traffic Engineering - Beograd	Traffic Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EK540	Telecommunication Network and Service Management	(OM1) Mathematics in Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Ž. Jungić, N. Gospić, N. Balaban: "Data Warehouse u upravljanju telekomunikacionom kompanijom", Tehnika, God. 53, br. 1, (2003), str. 10-16.		
2.	N. Gospić, V. Valter, D. Vučković, A. Kostin: "Osnove upravljanja telekomunikacijama", Beograd : Akademska misao : Saobraćajni fakultet, 2004.		
3.	N. Gospić, V. Vujović: "Structural Reform of Postal and Telecommunication System in Developing Countries : models, strategies, policies", Review of International Affairs Faculty of Transport and Traffic Engineering, 1996.		
4.	N. Gospić, N. Žunić: "Uvođenje servisa prenošenja mobilnog broja", ETRAN, Beograd, 6-8. juna, 2006.		
5.	N. Gospić, Ž. Jungić: "Određivanje profila korisnika usluga za CRM", PosTel, Beograd, 12. i 13. decembar 2006.		
6.	N. Gospić, B. Odadžić: "Potreba za razmatranjem deregulacije, liberalizacije i strukturne reorganizacije PTT sistema", Telekomunikacije, 1-2, str. 3-11, 1992.		
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Grbić P. Tatjana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.12.1995	
Scientific or art field:		Mathematics	
Academic career	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	1999	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1993	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.	GI303B	Probability and Mathematical Statistics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	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
5.	Z203	Statistical Methods	(Z01) Safety at Work, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
6.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	IA001	Algebra	(F10) Engineering Animation, Undergraduate Academic Studies
9.	IA002	Mathematical Analysis	(F10) Engineering Animation, Undergraduate Academic Studies
10.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
11.	S01361	Business decision making	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
12.	OM505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
13.	OML505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies



	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation		
MASTER ACADEMIC STUDIES		Mathematics in Engineering	
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
14.	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
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
17.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies
18.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies
23.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies
24.	D0M52	Random Sets	(OM1) Mathematics in Engineering, Doctoral Academic Studies
25.	D0M53	Statistical Processing of Fuzzy Data	(OM1) Mathematics in Engineering, Doctoral Academic Studies
26.	DOM30	Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
27.	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.	Ralević, N.M., Nedović, Lj., Grbić, T., : "The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral", Fuzzy sets and systems, 2005, No.155, 89-101		

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
Representative references (minimum 5, not more than 10)			
2.	Nedović, Lj., Ralević, N. M., Grbić, T.,: " Large deviation principle with generated pseudo measures", Fuzzy sets and systems, 2005, No. 105, 65-76		
3.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Pseud-Riemann-Stieltjes integral ", Information Sciences 179, 2009, 2923-2933		
4.	M. Štrboja, T. Grbić, I. Štajner-Papuga, G. Grujić, S. Medić, Jensen and Chebyshev inequalities for pseudo-integrals of set-valued functions, FSS, doi:10.101016/j.fss.2012.07.011		
5.	Grbić, T., Pap, E., : "Generalization Of Portamnteau theorem with respect to the pseudo-weak convergence of random closed sets", Theory of Probability and its Applications, 2009, 97-115		
6.	T. Grbić, I. Štajner-Papuga, M. Štrboja, an approach to pseudo-integration of set-valued functions, Information Sciences 181 (2011), 2278-2292		
7.	T. Grbić, S. Medić, I. Štajner-Papuga, T. Došenović, Inequalities of Jensen and Chebyshev type for interval-valued measures based on pseudo-integrals. In: Intelligent Systems: Models and Applications, E. Pap, Ed., Springer-Verlag, pp 23-41, DOI:10.1007/978-3-642-33959-2_2		
8.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Riemann-Stieltjes type integral based on generated pseudo-operations", NS J. Mathe., Vol. 36, No. 2, 111-124		
9.	Nedović, Lj., Grbić, T., "The pseudo-probability", Journal of Electrical Engineering, 2002, Vol. 53, No. 12/s, 27-30		
10.	Mihailović, B., Nedović, T., Grbić, T., "The induced Sugeno integral-based operator w.r.t. bi-fuzzy measures", Journal of Electrical engineering, Vol. 54, No. 12/s, 76-79		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		17	
Total of SCI(SSCI) list papers :		6	
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Ivanišević V. Andrea	
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 career	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	Production Systems, Organization and Management
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2005	Faculty of Economics - Subotica	Economic Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F108	Sociology of Culture	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	M317	Economy	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic 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	(S11) Software and Information Technologies (Indija), Undergraduate Professional Studies
5.	II1047	Analysis and calculation of production costs	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	IM1004	Principles of economics	(I20) Engineering Management, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	IM1014	Company Economics	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
8.	IM1047	Planning and enterprises performance analysis	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1422	Managing the cost of production	(I20) Engineering Management, Undergraduate Academic Studies
10.	IMDS88	Planning and implementing cost structure of the investment cycle	(I22) Engineering Management, Specialised Academic Studies
11.	Z513A	Economics and the environmental protection	(Z20) Environmental Engineering, Master Academic Studies
12.	Z513	Ekonomija i zaštita životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
13.	IM2122	The rating company profitability	(I20) Engineering Management, Master Academic Studies
14.	IM2415	Investment Environment	(M50) Energy Management, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
15.	IM2417	Managing individual property	(I20) Engineering Management, Master Academic Studies
16.	IM2421	Manage the budget for development investment	(I20) Engineering Management, Master Academic Studies
17.	IM2425	Economics of the Firm	(M50) Energy Management, Master Academic Studies
18.	IMDR88	Planning and implementing cost structure of the investment cycle	(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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
Representative references (minimum 5, not more than 10)			
1.	Leković B., Ivanišević A., Marić B., Demko-Rihter J.: ASSESSMENT OF THE MOST SIGNIFICANT IMPACTS OF ENVIRONMENT ON THE CHANGES IN COMPANY COST STRUCTURE, Economic Research, 2013		
2.	Milovanović Z.N., Knežević D., Ivanišević A., Jovanović M., Mitrović S.: 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, No.4		
3.	Marić B., Ivanišević A.: THE EFFECT OF PERMANENT WORKING CAPITAL ON THE QUALITY OF INVESTMENT PROJECTS, Metalurgia International, 2013		
4.	Marić B., Ivanišević A., Mitrović S., Sreto A., Mihailo R.: Analysis of internal rate of return on investments: Dynamic and static approach, African Journal of Business Management, 2011, Vol. 5, No 8, pp. 3269-3273, ISSN 1993-8233		
5.	Katić I, Ivanišević A., Penezić N., Lalić G., Tasić N.: EFFECTS OF FATIGUE TO OPERATIONAL PRODUCTIVITY WITH EMPLOYEES, Metalurgia International, 2013		
6.	Mitrović S., Milisavljević S., Čosić I., Leković B., Grubić-Nešić L., Ivanišević A.: Change in leadership styles in a transitional economy: A serbian case study, African Journal of Business Management, 2011, Vol. 5, No 9, pp. 3563-3569, ISSN 1993-8233		
7.	Alpar Lošonc, Andrea Ivanišević, Slavica Mitrović „ Globalizacija-rešenja i dileme“ Monografija, Fakultet tehničkih nauka, Novi Sad, 2009. (ISBN 978-86-7892-207-7, COBISS.SR-ID 244134407. (1-263)		
8.	Lošonc (Losoncz) 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		
9.	Razvoj sistema za planiranje praćenje i usklađivanje ključnih segmenata poslovanja industrijskog sistema u skladu sa promenama u okruženju, Fakultet tehničkih nauka Novi Sad, 2011		
10.	Lošonc A., Radivojević R., Ivanišević A., Pejić S.: TOYOTISM AS A BASIS FOR CORPORATE CULTURE AND WORK ORGANIZATIONS, 1st International Scientific Conference on Lean Technologies, Novi Sad, September 2012., pp. 100-106		
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 :
		3	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;">Study Programme Accreditation</p> <p>MASTER ACADEMIC STUDIES Mathematics in Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Katić R. Ivana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 31.10.2007	
Scientific or art field:		Engineering Management - Human Resource Management	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Engineering Management - Human Resource Management
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2008	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 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.	II205	Menadžment ljudskih resursa	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
2.	II934	Psychology of Work	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
3.	IM1914	Career Management	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1916	Industrial psychology	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1921	Managerial competence	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1923	Interpersonal intelligence in business	(I20) Engineering Management, Undergraduate Academic Studies
7.	S0I322	Human Resources Management	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	HR005	PR Plan Development and Application	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
9.	I076/S	Leadership and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	IMDS98	Modern concepts, methods and tools of human resource management	(I22) Engineering Management, Specialised Academic Studies
11.	MBA308	Business communication	(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	MBA513	leadership development and teamworking	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA515	decision macing and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA522	Lobbying, presentation and negotiation skills	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
15.	MBA605	Online Public Relations	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	IM2916	Professional portfolio managers	(I20) Engineering Management, Master Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	Study Programme Accreditation			
	MASTER ACADEMIC STUDIES Mathematics in Engineering			
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
17.	IM2921	Talent Management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies	
18.	IMDS77	Selected Chapters from Human Resource Management	(I22) Engineering Management, Specialised Academic Studies	
19.	IMDR98	Modern concepts, methods and tools of human resource 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	
Representative references (minimum 5, not more than 10)				
1.	Katić (Drezgić), I.: Preduzetna inteligencija i menadžment projekata, magistarska teza, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2007.			
2.	Katić (Drezgić) I., Borocki J., Zekić S., Penezić N.: Entrepreneurship significance in restructuring process, TTEM. Tehnics technologies education management, 2011, Vol. 6, No 4, pp. 902-907, ISSN 1840-1503			
3.	Katić (Drezgić),I. Significance of psychological factors in mass customization and personalization process, 5th International Conference on Mass Customization and Personalization in Central Europe (MCP-CE 2012), September 19-21, 2012, Novi Sad, Serbia, Proceedings, University of Novi Sad, Faculty of Technical Sciences			
4.	Katić (Drezgić),I.,Pavlović,J., Lalić, D., The role of Human resources in organisational change, XIV International Scientific Conference on Industrial Systems , October 2-3, 2008, Novi Sad, Serbia, Proceedings, University of Novi Sad, Faculty of Technical Sciences, ISBN 978-86-7892-135-3, pp. 543-546.			
5.	Pavlović,J., Katić(Drezgić),I., The HR Scorecard, XIV International Scientific Conference on Industrial Systems, October 2-3, 2008, Novi Sad, Serbia, Proceedings, University of Novi Sad, Faculty of Technical Sciences, ISBN 978-86-7892-135-3, pp. 571-574.			
6.	Lalić, D., Katić (Drezgić), I., Vujanac.,J. The influence of the information communicational technologies on the relationships among the employees and on their success in job, XIV International Scientific Conference on Industrial Systems , October 2-3, 2008, Novi Sad, Serbia, Proceedings, University of Novi Sad, Faculty of Technical Sciences, ISBN 978-86-7892-135-3, pp. 537-542.			
7.	Katić (Drezgić), I., Pavlović,J., Lalić,D., Distribucija kao faza logističkog toka sa aspekta marketing miksa, XIII Internacionalni naučni skup, Strategijski menadžment i sistemi podrške odlučivanju u stratejskom menadžmentu, Subotica, 2008, CD ROM, ISBN 86-7233-193-1,pp.124-129.			
8.	Penezić, N., Katić (Drezgić), I., Lalić, B. Sindrom izgaranja kod MBA studenata, XIV Skup Trendovi razvoja: Efikasnost i kvalitet bolonjskih studija, Trend, Kopaonik, 2008, CD ROM, ISBN 978-86-7892-096-7, pp.178-181.			
9.	Katić (Drezgić), I., Došen, L.,Jovanović-Boka,D. Da li je moguća psihoterapija odnosa u organizaciji?,Drugi Kongres psihoterapeuta Srbije: Odnosi u psihoterapiji, Beograd, 2012.			
10.	Katić (Drezgić), I.,Došen, L.,Jovanović-Boka,D. Napredovanje u karijeri-pretnja ili izazov, Prvi Kongres psihoterapeuta Srbije: Mentalitet i psihoterapija, Beograd, 2011.			
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 :	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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</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 carieer	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>					
MASTER ACADEMIC STUDIES			Mathematics in 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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Kovačević M. Ilija	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.09.1972	
Scientific or art field:		Mathematics	
Academic career	Year	Institution	Field
Academic title election:	1990	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1979	Faculty of Mathematics - Beograd	Mathematical Sciences
Magister thesis	1975	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1971	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.	EE204	Selected Chapters in Mathematics	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E102	Mathematical Analysis 1	(ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	E102A	Mathematical Analysis 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
6.	OM501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
7.	OML501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
8.	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
9.	I004/S	Statistical Quantitative Methods	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	GS012	Selected Chapters in Mathematics	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
11.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
12.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies
13.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M19	Functional Analysis 2	(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 MASTER ACADEMIC STUDIES Mathematics in Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
15.	DOM30	Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
16.	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.	I.Kovačević, On alfa-Hausdorff subsets, almost closed mappings and almost upper semicontinuous decomposition, Indian Jurnal of Pure and Applied mathematics 20 (4) 1989., 334-340.		
2.	N. Adžić, I. Kovačević, V. Marić, V. Ungar, Matematička analiza 2, FTN (Edicija tehničke nauke-udžbenici), Novi Sad, 1996., 1-299.		
3.	I. Kovačević, N. Ralević, Funkcionalna analiza,FTN (Edicija tehničke nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno izdanje)2004., 1-203.		
4.	I. Kovačević, N. Ralević, B. Carić, V. Marić, M. Novković, S. Medić, Matematička analiza 1- uvodni pojmovi i granični procesi ,(Ponovljeno i dopunjeno izdanje), FTN (Edicija tehničke nauke-udžbenici) Novi Sad, 2012,1-155.		
5.	I.Kovačević, V.Marić, M. Novković, B. Carić, N. Ralević, S. Medić, Matematička analiza 1 - diferencijalni i integralni račun, obične diferencijalne jednačine (Ponovljeno i dopunjeno izdanje),FTN (Edicija tehničke nauke-udžbenici), Novi Sad,2012., 1-280.		
6.	M. Novković, B. Carić, I. Kovačević, Zbirka rešenih zadataka iz verovatnoće i statistike, FTN (Edicija tehničke nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno izdanje) 2012., 1-169.		
7.	Kiurski J., Adamović (Majkić) S., Oros I., Krstić J., Kovačević I.: ADSORPTION FEASIBILITY IN THE Cr(TOTAL) IONS REMOVAL FROM WASTE PRINTING DEVELOPER, Global NEST Journal, 2012, Vol. 14, No 1, pp. 18-23, ISSN 1790-7632		
8.	I.Kovačević, Some properties of Mn subsets and almost closed mappings, Indian J.pure appl. Math., 27(9), 1996., 875-881.		
9.	I.Kovačević, On almost closed mapping, paracompactness and partial equivalence relatuions, Indian Journal of Pure and Applied mathematics,25(9), 1994., 949-954.		
10.	Kiurski J., Oros I., Ralević N., Kovačević I., Adamović (Majkić) S., Krstić J., Čomić L.: Cluster and principal component analysis in the assessment of fountain solution quality, Carpathian Journal of Earth and Environmental Sciences, 2013, Vol. 8, No 1, pp. 19-23, ISSN 1842-4090		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		28	
Total of SCI(SSCI) list papers :		7	
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Kovačević-Jureša I. Jelena	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 10.05.2007	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Master's thesis	2012	Academy of Arts - Novi Sad	Fine Arts
Bachelor's thesis	1998	Academy of Arts - Novi Sad	Fine Arts
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	ASI271	Film and Video	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
2.	ASI273	New Media	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
3.	ASI333	New technologies in art and culture	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
4.	IM1818	Media Aesthetics	(I20) Engineering Management, Undergraduate Academic Studies
5.	MM004	Theory and Practice of Media Communication	(I20) Engineering Management, Specialised Professional Studies
6.	ASMI5B	Digital and Media Design	(AS0) Scenic Architecture and Design, Master Academic Studies
7.	ASMI7C	Design of Virtual Space	(AS0) Scenic Architecture and Design, Master Academic Studies
8.	IM2813	Visual Identity	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
9.	MM015	Media and Visual Communication	(I20) Engineering Management, Specialised Professional Studies
Representative references (minimum 5, not more than 10)			
1.	Monografska publikacija "What It Feels Like for a Girl" Muzeja Savremene umetnosti Vojvodine, objavljena na engleskom jeziku. Jureša J, Todić M, Milevska S. (2009). "Jelena Jureša: What It Feels Like for a Girl" . Muzej savremene umetnosti Vojvodine, Novi Sad ISBN: 978-86-84773-56-4		
2.	Kovačević-Jureša J.: Jasmina Čubrilo, Irina Subotić, Svetlana Mladenov, Dušan Todorović, Suzana Vuksanović; Monografija "Made in Novi Sad - savremena umetnička scena / contemporary artistic scene", Galerija Tableau, Novi Sad, 2006., Novi Sad, Galerija Tableau, 2006, str. 110-113, ISBN 86-909377-0-6, UDK: 73/76(497.113)"19/20", 73/76.071.1(497.113):929"19/20"		
3.	Kovačević-Jureša J.: Samostalna izložba: "What It Feels Like for a Girl", Muzej Savremene umetnosti Vojvodine, kustos Živko Grozdanić; autor teksta: Prof dr Milanka Todić; autor teksta: Prof dr Suzana Milevska, Novi Sad, Muzej Savremene umetnosti Vojvodine, 2009, ISBN 978-86-84773-56-4, UDK: 7.038.53(497.113)"20"(083.824)		
4.	Kovačević-Jureša J.: Mehrzweckhalle, Kunst ost/Frauenmonat: Jelena Jureša - What It Feels Like for a Girl, curated by Mirjana Peitler (kultur.at), Urscha/Labuch, Austria Autor teksta: prof dr Milanka Todić, prof dr Suzana Milevska, Novi Sad, Muzej Savremene umetnosti Vojvodine, 2010, ISBN 978-86-84773-55-7, UDK: 7.038.53(497.113)"20"(083.824)		
5.	Kovačević-Jureša J.: Samostalna izložba: "What It Feels Like for a Girl, Mozarts", Kulturni centar Vršac, autor teksta: prof dr Milanka Todić, autor teksta: prof dr Suzana Milevska , Novi Sad, Muzej Savremene umetnosti Vojvodine, 2010, ISBN 978-86-84773-56-4, UDK: 7.038.53(497.113)"20"(083.824)		
6.	Kovačević-Jureša J.: Samostalna izložba, Jelena Jureša - "Mozarts", Galerija ZVONO, Beograd Autor teksta: Maja Čirić, Beograd, Galerija Zvono, 2010, ISBN 978-86-86041-06-7, UDK: 7.038.53(497.113)"20"(083.824)		
7.	Kovačević-Jureša J.: Izložba: Kritičari su izabrali u izboru Milanke Todić - Jelena Jureša: What It Feels Like for a Girl. Naziv kataloga: Jelena Jureša = Jelena Jureša : what it feels like for a girl : Kulturni centar Beograda, [Likovna galerija, 13 - 30. januar 2010.] : [u okviru izložbe] Kritičari su izabrali 2010, Critics have chosen 2010, Beograd, Kulturni centar Beograda, 2010, ISBN 978-86-7996-044-3, UDK: 7.071.1:929 Jureša J.(083.824), 7.038.53:77(497.113)(083.824)		
8.	Kovačević-Jureša J., Todić M., Milevska S.: Jelena Jureša : What it feels like for a girl / englesko izdanje monografske publikacije, Novi Sad, Muzej Savremene umetnosti Vojvodine, 2009, ISBN 978-86-84773-55-7, UDK: 7.038.53(497.113)"20"(083.824)		
9.	Kovačević-Jureša J., Todić M., Milevska S.: Jelena Jureša : What it feels like for a girl, Novi Sad, Muzej Savremene umetnosti Vojvodine, 2009, ISBN 978-86-84773-56-4, UDK: 7.038.53(497.113)"20"(083.824)		

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>				
Representative references (minimum 5, not more than 10)					
10.	Jelena Jureša, NOTES ON PMS, projekcije dvokanalnog filma u filmskoj sali muzeja, poseban segment izlozbe 'Tensionfield - Contemporary Photography' Muzej savremene umetnosti Vojvodine, Novi Sad Kustosi: Max Aufischer (Graz), Gerhard Gross (Graz), Aleksander Bassin (Ljubljana), Dejan Sluga (Ljubljana), Zuzana Lapitková (Bratislava), Tomás Agat Blonski (Kosice), Sabina Salamon (Rijeka), Zoran Petrovski (Skopje), Svetlana Mladenov (Novi Sad), Sanja Kojić Mladenov (Novi Sad)				
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 : 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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Kuzmanović D. Bogdan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	2012		Production Systems, Organization and Management
PhD thesis	2005	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	1997	Faculty of Economics - Subotica	Economics
Bachelor's thesis	1993	Faculty of Economics - Subotica	Economics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	URZP33	Role and Importance of Prevention in Risk Reduction	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	Z511P	Institutional Framework in Risk Management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	IM1024	Risk Management and insurance	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1713	Non-life insurance management	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1716	Prevetion in insurance	(I20) Engineering Management, Undergraduate Academic Studies
6.	URZP80	Basic principals of insurance	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	OIR002	Insurance risks	(I20) Engineering Management, Specialised Professional Studies
8.	OIR007	Informacioni sistemi u osiguranju	(I20) Engineering Management, Specialised Professional Studies
9.	OIR008	Preventivne mere u osiguranju	(I20) Engineering Management, Specialised Professional Studies
10.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	Z510	Upravljanje akcidentalnim rizicima i životna sredina(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
12.	Z511	Institucionalni okviri upravljanja akcidentnim rizicima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
13.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
14.	IM2707	Methods for the analysis of insurance risk	(I20) Engineering Management, Master Academic Studies
15.	IM2717	Management of strategic and operational risks of insurance companies	(OM1) Mathematics in Engineering, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Kuzmanović, B., "THE EFFECT OF CONTEMPORARY BUSINESS TECHNOLOGIES ON BUSINESS PROCESSES IN INURANCE INDUSTRY", Zbornik radova VI međunarodnog savetovanja na sajmu informatike Novi Sad, Novi Sad, 1998. (R54)		
2.	Kuzmanović, B., Stankovski, S., „INTELLIGENTNA PODRŠKA I EDI TEHNOLOGIJA U OSIGURANJU“, Zbornik radova međunarodno stručnog skupa, INFOTEH, Jahorina, 25-27 Mart 2005. (R54)		
3.	Kuzmanović, B., Miloradić, J., „Problem osiguranja u poljoprivredi sa posebnim osvrtom na stočarstvo“, Zbornik radova sa međunarodnog skupa: Stočarstvo, veterina i agroekonomija u tranzicionim procesima, 19.-24. jun, Herceg Novi, 2005.		
4.	Kuzmanović B.: Performanse i strategija uvođenja strategijskog partnerstva u vlasništvo – osvrt na „DDOR Novi Sad“, Kopaonik Biznis forum, 2006.		
5.	Kuzmanović, B., "Primena EDI tehnologije u osiguranju i reosiguraju" Zbornik radova V savetovaja na sajmu informatike Novi Sad - Menadžerstvo u upravljanju preduzećem i kvalitetom ISO-9000, Novi Sad, 1997. (R73)		

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
Representative references (minimum 5, not more than 10)			
6.	Kuzmanović, B., "Uticaj EDI tehnologije na poslovne procese u osiguranju", Zbornik radova, YU INFO "98, Kopaonik, 1998. (R73)		
7.	Kuzmanović, B., "Opasne materije - proizvodnja, transport i upotreba - bezbednost i osiguranje", Zbornik radova savetovanja, Aranđelovac, oktobar 2002. (R73)		
8.	Kuzmanović, B., „KONKURENCIJA NA TRŽIŠTU OSIGURANJA“, Zbornik radova, Kopaonik-Biznis forum 2005, Kopaonik, 1-3 mart, 2005. (R73)		
9.	Kuzmanović, B., "INTELIGENTNI SISTEMI U OSIGURANJU", Zbornik radova skupa, Niš 25, Maj 2005. (R73)		
10.	Kuzmanović B.: Performanse i strategija uvođenja strategijskog partnerstva u vlasništvo – osvrt na „DDOR Novi Sad“, Kopaonik Biznis forum, 2005.		
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Lađinović Ž. Đorđe	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 17.11.1980	
Scientific or art field:		Theory of Construction	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Theory of Construction
PhD thesis	2002	Faculty of Technical Sciences - Novi Sad	Theory of Construction
Magister thesis	1995	Faculty of Technical Sciences - Novi Sad	Theory of Construction
Bachelor's thesis	1980	Faculty of Technical Sciences - Novi Sad	Civil Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GG22	Structural Analysis 1	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG25	Theory on Concrete Structures 1	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG26	Structural Analysis 2	(G00) Civil Engineering, Undergraduate Academic Studies
4.	URZP58	Earthquake Impact on Civil Engineering Structures	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	A311	Bearing structures 2	(A00) Architecture, Undergraduate Academic Studies
6.	A502	Theory of structures and structural systems	(A00) Architecture, Undergraduate Academic Studies
7.	GG37	Basics of design in civil engineering structures	(G00) Civil Engineering, Undergraduate Academic Studies
8.	GG502	Seismic Analysis of Structures	(G00) Civil Engineering, Master Academic Studies
9.	GG516	Nonlinear Analysis of Structures	(OM1) Mathematics in Engineering, Master Academic Studies (G00) Civil Engineering, Master Academic Studies
10.	GG522	Design of Tall Buildings	(G00) Civil Engineering, Master Academic Studies
11.	GG530	Seismic Analysis of Engineering Structures	(G00) Civil Engineering, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Folić R., Lađinović Đ.: Three dimensional analysis of tall buildings subjected to earthquake loading. Facta Universitatis – Architecture and Civil Engineering, Vol. 1, No 2 (ISSN 0354-4605), 1995, pp. 153 -166.		
2.	Folić R., Alendar V., Lađinović Đ.: EC8 - Design of Earthquake Resistant Structure. MASE, 7-th International Symposium, Ohrid, Republic of Macedonia, October 2-4, 1997, Volume 1, General reports, pp. VR14/1-12.		
3.	Lađinović Đ., Nenadić G., Đukić Lj.: Varadinska duga – dinamička analiza glavne mostovske konstrukcije. Časopis "Izgradnja" br. 4, Beograd, april 2001., str. 117-124.		
4.	Lađinović Đ., Folić R.: Seismic analysis of building structures using damage spectra. International Conference in Earthquake Engineering SE 40EEE, Skopje, 26 – 29 August 2003, CD-ROM – Paper Reference 0067, pp. 1-8.		
5.	Lađinović Đ., Folić R.: Non-linear analysis of multi-storey building structures by using equivalent SDOF model. Bulletin for Applied Mathematics, BAM-2080/2003 (CIII), Technical University of Budapest, 2003., pp. 495-502.		
6.	Lađinović Đ., Folić R.: Analiza konstrukcija zgrada na zamljotresna dejstva. Časopis "Materijali i konstrukcije" br. 3-4, JUDIMK, Beograd, 2004, str. 31-64.		
7.	Lađinović Đ.: Statika konstrukcija 1. Fakultet tehničkih nauka Novi Sad, 2007		
8.	Lađinović Đ.: Savremene metode seizmičke analize konstrukcija zgrada. Materijali i konstrukcije (ISSN 0543-0798), 2008, Vol. 51 (2), str. 25-40.		
9.	Lađinović Đ., Radujković A., Rašeta A.: Seismic Performance Assessment Based On Damage Of Structures – Part 1: Theory. Facta Universitatis - series: Architecture and Civil Engineering (ISSN 0354-4605), Vol. 9, No 1, 2011, pp. 77-88.		
10.	Lađinović Đ.: Estimation of Deformation and Strength Demands for Performance Seismic Design. Seminar: Seismic Design Of Structures, Serbian Chamber of Engineers and Bulgarian Chamber in Investment design, Beograd, April 08, 2011.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		35	
Total of SCI(SSCI) list papers :		1	
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Lalić P. Bojan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		17.06.2002	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2011		Production Systems, Organization and Management
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Engineering Management
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.	EOS39	Projektni menadžment	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	II1017	Production System Design	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1019	Project Management	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1019	Commercial Processes	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1026	E-Business	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
7.	IM1046	Structural and Development Projects	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1104	Strategic Management	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1106	Business Process Simulation	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
10.	IM1319	Platforms and systems for knowledge transfer	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
12.	IS001	Effective management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA304	Business Strategies	(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA413	Knowledge Systems and Project Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
15.	MBA601	Applied use of IT and Internet in business	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	PLM05	Management of PLM Projects	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies



	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation		
MASTER ACADEMIC STUDIES		Mathematics in Engineering	
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
17.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
18.	RPR005	Project Cycle Management	(RPR) Regional Development Planning and Management, Master Academic Studies
19.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
20.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
21.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies
22.	IM2307	Strategic Project Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
23.	IM2314	Program and Portfolio management	(I20) Engineering Management, Master Academic Studies
24.	IM2316	Theory of Constraints	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
25.	IM2319	Project evaluation	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
26.	IM2922	eHRM	(I20) Engineering Management, Master Academic Studies
27.	IMDS71	Selected topics of project management	(I22) Engineering Management, Specialised Academic Studies
28.	S11594	E-Business	(S01) Postal Traffic and Telecommunications, Master Academic Studies
29.	UP002	Applied Project Cycle Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
30.	IMDR71	Selected topics of project management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Lalić, B., Ćosić I., Anišić, Z.: SIMULATION BASED DESIGN AND RECONFIGURATION OF PRODUCTION SYSTEMS, International journal of Simulation Modelling, IJSIMM, issn 1726-4529, Volume 4, Number 4, pp. 173-183, Vienna, Austria, December 2005.		
2.	R. Maksimovic, B.Lalić; Flexibility and Complexity of Effective Enterprises, Strojniski Vesnik, 2008.		
3.	Lalić D., Marjanović U., Lalić B.: The influence of social networks on communication satisfaction within the organizations. In: M.M. Cruz-Cunha, P. Goncalves, N. Lopes, E.M. Miranda and G.D. Putnik, ed. Handbook of Research on Business Social Networking: Organizational, Managerial, and Technological Dimensions., New York, Business Science Reference (IGI Global), 2011, str. 545-566, ISBN 978-1-61350-168-9		
4.	Lalić B., Marjanović U.: Organizational Readiness/Preparedness. In: M.M. Cruz-Cunha and J. Varajao, ed. E-business issues, challenges and opportunities for SMEs: driving competitiveness., New York, Business Science Reference (IGI Global), 2011, str. 101-116, ISBN 978-1-61692-880-3		
5.	Simeunović N., Ćosić I., Radaković N., Lalić B.: The General Work Procedure Model for the Service Product, Beč, DAAAM International Scientific Book, 2009, str. 281-288, ISBN 987-3-901509-71-1, UDK: ISSN 1726-9687		
6.	Lalić B., Palčić I.: Analytical Hierarchy Process as a Tool for Selecting and Evaluating Projects, International journal of Simulation Modelling-IJSIMM, 2009, Vol. 8, No 1, pp. 16-26, ISSN 1726-4529		
7.	Lalić B., Ćosić I., Anišić Z.: SIMULATION BASED DESIGN AND RECONFIGURATION OF PRODUCTION SYSTEMS , International journal of Simulation Modelling-IJSIMM, 2005, Vol. 4, No 4, pp. 173-183, ISSN 1726-4529		
8.	Jovanovic M., Moreno Perez J., Lalić B., Todorovic V., Jovanović M.: Use of cost analysis, estimation and risk management in making project management decisions in construction, Projektna mreža Slovenije - Project Management Review, 2010, Vol. 8, No 3, pp. 4-9, ISSN 1580-0229		
9.	Lalić B., Ćosić I., Poli M.: Project Strategy Matching Project Structure to Project Type to Achieve Better Success, International Journal of Industrial Engineering and Management - IJIEM, 2010, Vol. 1, No 1, pp. 29-40, ISSN 2217-2661		



	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>				
Representative references (minimum 5, not more than 10)					
10.	Poli M., Mithiborwala H., Maksimović R., Lalić B.: PROJECT STRATEGY: SELECTING THE BEST PROJECT STRUCTURE, 9. PICMET Conference, Portland: Portland International Center for Management of Engineering and Technology, 2-6 Avgust, 2009, pp. 1276-1281, ISBN 978-1-890843-20/5				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		4			
Total of SCI(SSCI) list papers :		2			
Current projects :		Domestic :	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">2</td> <td style="width: 50%; text-align: center;">International : 2</td> </tr> </table>	2	International : 2
2	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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Lalić S. Danijela	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		30.06.2004	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2010	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	Engineering Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EOS39	Projektni menadžment	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	II202	Marketing	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
3.	II205	Menadžment ljudskih resursa	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
4.	IM1019	Commercial Processes	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1023	Business Communication	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1817	Public Relations	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1919	Employee Relations	(I20) Engineering Management, Undergraduate Academic Studies
8.	S0I322	Human Resources Management	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
9.	HR005	PR Plan Development and Application	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	HR017	Corporate Communication Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	I076/S	Leadership and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
12.	IMDS68	Business communication in efective sistems	(I22) Engineering Management, Specialised Academic Studies
13.	MBA304	Business Strategies	(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA308	Business communication	(IB0) Engineering Management - MBA, Specialised Professional Studies
15.	MBA513	leadership development and teamworking	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	MBA515	decision macing and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		MASTER ACADEMIC STUDIES		Mathematics in Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
17.	MBA522	Lobbying, presentation and negotiation skills	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies		
18.	MBA524	interculture business communications	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies		
19.	MBA605	Online Public Relations	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies		
20.	PLM01	PLM Platform	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies		
21.	NIT04	Communication Skills	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies		
22.	RPR005	Project Cycle Management	(RPR) Regional Development Planning and Management, Master Academic Studies		
23.	RPR013	Management of Human Resources	(RPR) Regional Development Planning and Management, Master Academic Studies		
24.	IM2817	Internet and Social Media Communication	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
25.	IM2820	Event Marketing	(I20) Engineering Management, Master Academic Studies		
26.	IM2907	Leadership	(I20) Engineering Management, Master Academic Studies		
27.	IM2914	Corporate Communications Management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
28.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies		
29.	IMDS77	Selected Chapters from Human Resource Management	(I22) Engineering Management, Specialised Academic Studies		
30.	IMDR68	Business Communication in Effective Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
31.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
32.	IMDR77	Selected Chapters from Human Resource Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
33.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Danijela Lalić, Tamara Vlastelica Bakić, Primeri dobre prakse odnosa s javnošću 2011, Univerzitet u Novom Sadu, Fakultet tehničkih nauka Edicija tehničke nauke – udžbenici, FTN izdavaštvo, Novi Sad 2011				
2.	Vlastelica Bakić, T., Lalić, D., Verčić, D. "Employee Engagement: The case of Coca-Cola Hellenic Serbia", BledCom 2011, 18th International Public Relations Research Symposium BledCom, 1-2. jul 2011, Bled, Slovenija, ISBN 978-961-90484-8-1, str. 32-41.				
3.	Lalić D., Popovski K., Gecevska V., Popovska Vasilevska S., Tešić Z.: Analysis of the opportunities and challenges for renewable energy market in the Western Balkan countries, Renewable and Sustainable Energy Reviews, 2011, Vol. 15, No Issue 6, pp. 3187-3195, ISSN 1364-0321, UDK: doi: 10.1016/j.rser. 2011.04.11, Elsevier				
4.	Tešić Z., Lalić D., Čosić I., Mitrović V.: Integration of information for manufacturing shop control, Strojniski vestnik = Journal of Mechanical Engineering, 2010, Vol. 56, No 3, pp. 217-223, ISSN 0039-2480				
5.	Grubic-Nesic, L., Konja, V., & Lalic, D. (in press, 2012). Leadership in Learning Organizations. Metalurgia internacional, 17(12)				
6.	Konja, V., Grubic-Nesic, L., & Lalic, D. (in press, 2012). Leader-member Exchange Influence on Organizational Commitment among Serbian Hospital Workers. Healthmed, 6(11)				
7.	Lalić D., Marjanović U., Lalić B.: The influence of social networks on communication satisfaction within the organizations. In: M.M. Cruz-Cunha, P. Goncalves, N. Lopes, E.M. Miranda and G.D. Putnik, ed. Handbook of Research on Business Social Networking: Organizational, Managerial, and Technological Dimensions., New York, Business Science Reference (IGI Global), 2012, str. 545-566, ISBN 978-1-61350-168-9				

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>				
Representative references (minimum 5, not more than 10)					
8.	Lalic, D., Gajic, S., & Konja, V. (2012). Social Media influence on Mass Customization and Personalization process. 5th International conference on Mass Customization and Personalization in Central Europe (MCP - CE 2012), 19-21 Sept., Novi Sad, Serbia				
9.	Danijela Lalic, REACHING FURTHER WITH ONLINE COMMUNICATION STRATEGIES OF ORGANIZATIONS , CASE STUDY: "SECOND LIFE " - SUCCESSFUL EXAMPLES OF ORGANIZATION'S ONLINE COMMUNICATION STRATEGIES, (Online proceedings: Web strana: http://www.onlinecommunicators.org/Seminars/IAOC-Conference-Agenda.cfm), IAOC Conference in Washington, DC, International Association of Online Communicators, 1-2 October, 2009, Washington, DC, USA.				
10.	Ivana Katic, Leposava Grubic-Nesic, Gordana Milosavljević, Danijela Lalic, Overworking as a threat to modern business, TTEM - Technics Technologies Education Management, journal in Vol.7 , No.4 .,11 /12. 2012, No: 119./20.6.-2012. (M23=3)				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		0			
Total of SCI(SSCI) list papers :		5			
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;">Study Programme Accreditation</p> <p>MASTER ACADEMIC STUDIES Mathematics in Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Leber J. Marjan	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Proizvodni sistemi, organizacija i menadžment-projektovanje proizvodnih	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Proizvodni sistemi, organizacija i menadžment-projektovanje proizvodnih sistema
PhD thesis	2003	University of Maribor - Maribor	Production Systems, Organization and Management
Magister thesis	1993	University of Maribor - Maribor	Production Systems, Organization and Management
Bachelor's thesis	1982	University of Maribor - Maribor	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IM1039	Fundamentals of Operations management	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	IM1119	Product management at end of life	(I20) Engineering Management, Undergraduate Academic Studies
3.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
4.	EI504	Management of Small and Medium Enterprises	(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
5.	ZR502	Occupational Risk Assessment	(Z01) Safety at Work, Master Academic Studies
6.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
7.	IM2222	Managing Innovation Projects	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
8.	IM2315	Product and Process Improvement Projects	(I20) Engineering Management, Master Academic Studies
9.	IM2316	Theory of Constraints	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
10.	IM2319	Project evaluation	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
11.	IM2922	eHRM	(I20) Engineering Management, Master Academic Studies
12.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
13.	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.	POLAJNAR, Andrej, LEBER, Marjan, VUJICA-HERZOG, Nataša. Muscular-skeletal diseases require scientifically designed sewing workstations. Stroj. vestn., 2010, vol. 56, no. 1, str. 31-40. http://sl.sv-jme.eu/scripts/download.php?file=/data/upload/2010/01/4_2008_118_Polajnar_zl.pdf . [COBISS.SI-ID 13950486]		
2.	POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Analysis of different transport solutions in the flexible manufacturing cell by using computer simulation. Int. j. oper. prod. manage., 1995, let. 15, št. 6, str. 51-58. [COBISS.SI-ID 7611908]		
3.	POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Racionalizacija v serijski proizvodnji po načelih tipske tehnologije = Rationalization of series production by applying the principles of type technology. Stroj. vestn., 1995, let. 41, št. 7/8, str. 263-270. [COBISS.SI-ID 7901444]		

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>				
Representative references (minimum 5, not more than 10)					
4.	LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Načrtovanje zanesljivosti izdelkov in proizvodnih sistemov z upoštevanjem analize mogočih napak in njihovih posledic = Planning of product reliability and production systems by using failure modes and effects analysis. Stroj. vestn., 1994, let. 40, št. 9/10, str. 333-338. [COBISS.SI-ID 6902532]				
5.	KALPIČ, Branko, POLAJNAR, Andrej, LEBER, Marjan, BUCHMEISTER, Borut. Navidezna resničnost - simulirno orodje prihodnosti = Virtual reality - simulation tool of the future. Stroj. vestn., 1998, let. 44, št. 5/6, str. 187-194. [COBISS.SI-ID 2631963]				
6.	BUCHMEISTER, Borut, LEBER, Marjan, PAVLINJEK, Jože. Impact of periodic changing demand to supply chain inventories. Mech. Eng. Sci. J. (Skopje), 2007, vol. 26, no. 2, str. 79-86. [COBISS.SI-ID 12189974]				
7.	LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Successful FMEA study based on QFD analysis. Acta Mech. Slovaca (Košice), 2002, ročnik 6, 2, str. 187-190. [COBISS.SI-ID 7165206]				
8.	POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Simulationsvergleich von Modellen für die Layoutplanung. E I, Elektrotech. Inf.tech., 111 (1994), 6 ; str. 277-279. [COBISS.SI-ID 6328580]				
9.	LEBER, Marjan, POLAJNAR, Andrej, BUCHMEISTER, Borut. Qualitätssicherung der Produktionsplanung durch Anwendung der Fehlermöglichkeits- und Einflussanalyse. E I, Elektrotech. Inf.tech., 111 (1994), 6 ; str. 324-327. [COBISS.SI-ID 6328836]				
10.	FULDER, Tatjana, PIŽMOHT, Petja, POLAJNAR, Andrej, LEBER, Marjan. Ergonomically designed workstation based on simulation of worker's movements. Int. j. simul. model., Mar. 2005, vol. 4, no. 1, str. 27-34. [COBISS.SI-ID 9448214]				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		0			
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Lisov R. Milimir	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	2012		Production Systems, Organization and Management
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1978	Faculty of Economics - Beograd	Mathematics
Bachelor's thesis	1975	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.	IM1011	Applied Operational Research	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
2.	IM1024	Risk Management and insurance	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1706	Actuerial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
4.	URZP80	Basic principals of insurance	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	IMDS53	Selected Chapters in Life Insurance	(I22) Engineering Management, Specialised Academic Studies
6.	OIR001	Basic insurance	(I20) Engineering Management, Specialised Professional Studies
7.	OIR005	Tehničke osnove osiguranja	(I20) Engineering Management, Specialised Professional Studies
8.	IM2707	Methods for the analysis of insurance risk	(I20) Engineering Management, Master Academic Studies
9.	IM2713	Rates of Insurance Premiums	(I20) Engineering Management, Master Academic Studies
10.	IM2717	Management of strategic and operational risks of insurance companies	(OM1) Mathematics in Engineering, Master Academic Studies
11.	IM2719	Loss Assessment	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
12.	IMDR53	Selected Chapters in Life Insurance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Lisov, M; Zarkovic, N; Mrksic, D; SITUATION AND POSSIBILITIES OF IMPROVEMENT OF VOLUNTARY PENSION INSURANCE IN SERBIA AS A DEVELOPING COUNTRY, African Journal of Business Management, Vol. 4 (10), August 2010, pp 2075-2086		
2.	Zarkovic, N., Lisov, M., Mrksic, D., Investmants of Serbian Insurance companies, Economic Research, (2012), vol. 25, No 3		
3.	Zarkovic, N; Lisov, M; Mrksic, D: NATIONAL BANK AS INSURANCE SUPERVISOR IN SERBIA AS A DEVELOPING COUNTRY, African journal of business management, (2012), Vol. 6, No 8, pp. 2816-2824		
4.	Rakonjac-Antic, T; Lisov,M; Rajic, V: Sustainability problems of the public pension and disability system, Part II, Chapter 13 in monograph "Achieved Results and Prospects of Insurance Market Development in Modern World", Faculty of Economy of the University of Belgrade, 2012, pp. 213-228, ISBN: 978-86403-1222-6		
5.	Lisov, M: PRIVATNO PENZIJSKO OSIGURANJE, Novi Sad, 2006, 223 str, CIP 368.914.2, ISBN 86 – 907827-2-9		
6.	Lisov, M: OSIGURANJE ŽIVOTA – DINAMIČKI SISTEM RENTNIH OSIGURANJA , Osiguranje i privreda – časopis za teoriju i praksu osiguranja, Zagreb, 1980, 28 - 34 str.		
7.	Lisov, M: OCENA KRITERIJUMA ZA IZBOR MEHANIČKIH METODA IZRAVNANJA SIROVIH VEROVATNOĆA SMRTNOSTI, Osiguranje i privreda – časopis za teoriju i praksu osiguranja, Zagreb, 1989, 76 - 81 str.		
8.	Lisov M.: EKONOMSKE I TEHNIČKE OSNOVE OSIGURANJA, Novi Sad, Fakultet tehničkih nauka, 2010, str. 52-261, ISBN 978-86-7892-234-3, UDK: 368(075.8)		

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>				
Representative references (minimum 5, not more than 10)					
9.	Lisov, M; Bukumirić ,G: POSLOVANJE OSIGURAVAJUĆIH KOMPANIJA ZA ŽIVOTNO OSIGURANJE U USLOVIMA KRIZE, Osmi međunarodni simpozijum iz osiguranja: "Problemi poslovanja osiguravajućih kompanija u uslovima krize", Zlatibor, maj 2010, 165-179 str, ISBN: 978-86-84309-26-8				
10.	Lisov, M: METODE REZERVACIJE NASTALIH NEPRIJAVLJENIH ŠTETA, Sedmi međunarodni simpozijum iz osiguranja: "Osiguranje i globalna finansijska kriza", Zlatibor, 2009, 505-518 str, ISBN 978-86-84309-22-0				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :				22	
Total of SCI(SSCI) list papers :				2	
Current projects :				Domestic :	<div style="display: flex; justify-content: space-between;"> 0 International : 0 </div>

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in 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>					
MASTER ACADEMIC STUDIES			Mathematics in 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, Natasa 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 Natasa 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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Mirković R. Milan	
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:		Information-Communication Systems	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Master's thesis	2005	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Bachelor's thesis	2005	Faculty of Technical Sciences - Novi Sad	Engineering Management
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	Z201	Fundamentals of Computer Technologies	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	Z201A	Fundamentals of Computer Technologies	(Z01) Safety at Work, Undergraduate Academic Studies
3.	II1002	Computer Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1010	Fundamentals of Information Technologies	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1038	Introduction to Business Intelligence Systems	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1514	Web-oriented Technologies and Systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1515	Mobile information technologies	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1813	Multimedia and global media	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1815	Industrial Internet marketing	(I20) Engineering Management, Undergraduate Academic Studies
10.	HR013	Knowledge Economy	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	IMDS55	Data Mining	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
12.	MBA309	Human Resource Management in Knowledge Economy	(IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA411	Business intelligence concepts	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA415	Development of services, products and marketing of technological innovation	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
15.	LIM02	Business Information Systems	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	I835	Data mining methods	(I10) Industrial Engineering, Master Academic Studies
17.	I913	Expert systems and tools for knowledge management	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
19.	IM2518	Captology - procedures and methods	(I20) Engineering Management, Master Academic Studies
20.	IM2519	Advanced Information Technology	(I20) Engineering Management, Master Academic Studies
21.	IM2520	E-commerce Procedures and Methods	(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>					
MASTER ACADEMIC STUDIES			Mathematics in Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
22.	IM2816	Data mining in industrial marketing	(I20) Engineering Management, Master Academic Studies		
23.	IM2821	Digital products design and Human-Computer Interaction	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
24.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies		
25.	IMDR34	Raster and Image Processing Technologies in Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
26.	IMDR55	Data Research	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
27.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
28.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Mirković M., Čulibrk D., Crnojević V.: Computational Social Networks (Chapter: Mining Geo-Referenced Community-Contributed Multimedia Data), London, Springer, 2012, str. 81-102, ISBN 978-1-4471-4053-5				
2.	Čulibrk D., Mirković M., Zlokolica V., Pokrić M., Crnojević V., Kukolj D.: Salient Motion Features for Video Quality Assessment, IEEE Transactions on Image Processing, 2011, Vol. 20, No 4, pp. 948-958, ISSN 1057-7149				
3.	Mirković M., Čulibrk D., Papadopoulos S., Zigkolis C., Kompatsiaris Y., McArdle G., Crnojević V.: A Comparative Study of Spatial, Temporal and Content-based Patterns Emerging in YouTube and Flickr				
4.	Čulibrk D., Mirković M., Lugonja P., Crnojević V.: Mining Web Videos for Video Quality Assessment, 2. International Conference of Soft Computing and Pattern Recognition - SocPar, Pariz, 7-10 Decembar, 2010				
5.	Mirković M., Čulibrk D., Anderla A., Stefanović D., Milisavljević S.: A framework for obtaining publicly available geo-referenced video meta-data, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 223-228, ISBN 978-86-7892-341-8				
6.	Stefanović D., Mirković M., Anderla A., Drapšin M., Drid P., Radjo I.: Investigating erp systems success from the end user perspective, TTEM. Tehnics technologies education management, 2011, Vol. 6, No 4, pp. 1089-1099, ISSN 1840-1503				
7.	Stefanović D., Rakić-Skoković M., Mirković M., Anderla A., Rašić D.: Contemporary Software Business Suites as a Company's Competitive Advantage, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, ISBN 978-86-7892-341-8				
8.	Čulibrk D., Žunić I., Mirković M., Šetrajčić I.: PRIMENA ISTRAŽIVANJA PODATAKA NA PREDVIĐANJE PERFORMANSI PROFESIONALNIH KOŠARKAŠA, 10. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Infoteh, 16-18 Mart, 2011, pp. 539-542, ISBN 978-99938-624-6-8				
9.	Gavrić K., Lugonja P., Mirković M., Čulibrk D., Crnojević V.: Detecting Attractive Locations and Tourist' Dynamics Using Geo-referenced Images, 10. TELSIKS - International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services, Niš, 5-8 Oktobar, 2011, ISBN 978-1-4577-2017-8				
10.	Gavric, K., Culibrk, D., Mirkovic, M., & Crnojevic, V. (2011). Using YouTube Data to Analyze Human Continent-level Mobility. CASoN 2011 (pp. 207–210). Salamanca: MIR Labs.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			12		
Total of SCI(SSCI) list papers :			2		
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Nerandžić B. Branislav	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 20.10.2006	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Engineering Management
Education Specialist Thesis	2003	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1980	Faculty of Economics - Subotica	Economic Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	ETI41	Sociology of Technique	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
2.	IM1018	Management Accounting and Financial Management	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1414	Analyses of business reports	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1415	Indicators of Business Performance	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1418	Operational Audit	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1718	Controlling and Auditing in Insurance	(I20) Engineering Management, Undergraduate Academic Studies
7.	IMDS89	Controlling and Internal Audit in Corporate Governance	(I22) Engineering Management, Specialised Academic Studies
8.	IMDS90	Selected Chapters of Strategic Management Accounting	(I22) Engineering Management, Specialised Academic Studies
9.	IR001	Professional Practice of Internal Auditing	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	IR002	Implementation and Execution of Internal and Operational Audit.	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	KIR001	Internal and Operational Auditing	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
12.	MBA307	European and international business and trade law	(IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA310	Financial management with the accounting elements	(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA521	The European Union-development process	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
15.	MUO00 2	Management Accounting, Auditing and Controlling	(I20) Engineering Management, Specialised Professional Studies
16.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
17.	IM2117	Calculation of costs and prices of products and services	(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> <div style="display: flex; justify-content: space-between;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
18.	IM2419	Business in Terms of Globalization	(I20) Engineering Management, Master Academic Studies
19.	IM2426	Operational Audit and Controlling	(M50) Energy Management, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies
20.	IMDR89	Controlling and Internal Audit in Corporate Governance.	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
21.	IMDR90	Selected Chapters of Strategic Management Accounting	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Perović V., Nerandžić B., Bojanić R., Živkov E., Bulatović B.: INFLENCE OF CONTROLLING THE INVESTMENT PROJECTION ERP (M) WITH PRIMARY FOCUS ON THE CASHFLOW IN THE COMPANY - , Metalurgia international, 2013, No 3 - 2013, ISSN 1582-2214		
2.	Nerandžić B., Perović V.: Personality and moral character traits and acknowledging the principles of management ethics, auditing and accounting ethics, African Journal of Business Management, 2011, ISSN 1993-8233		
3.	Perović V., Nerandžić B.: Controlling as a usefull managment instrument in crisis times, African Journal of Business Management, 2011, ISSN 1993-8233		
4.	Perović V., Nerandžić B., Bulatović B.: The Transition Processin the Context of Privatization in the Republic of Serbia (2001-2010) , Actual Problems of Economics, 2013, No 02-2013, ISSN 1993-6788		
5.	Pečujlija M., Perović V., Nerandžić B.: Initiating innovation in Serbian companies' organizational cultures, African Journal of Business Management, 2010, Vol. 4, No 18, pp. 3957-3967, ISSN 1993-8233		
6.	Nerandžić B.: Interna i operativna revizija , Stylos, 2007, ISBN 978-86-7473-330-1		
7.	Nerandžić B., Perović V.: Upravljačko računovodstvo, Novi Sad, Fakultet tehničkih nauka, 2009, ISBN 978-86-7892-210-7		
8.	Vujičić D., Nerandžić B., Perović V.: Priručnik za investicije, Novi Sad, Stilos, 2008, ISBN 978-86-7892-210-7		
9.	Nerandžić B.: Sistemi internih kontrola i operativna revizija , Privredna izgradnja, 2005, No 1-2, pp. 99-112, ISSN 0032-8979		
10.	Nerandžić B.: Prilaz strateškim menadžment instrumentima primenom operativne revizije , Ekonomist - Savez ekonomista Srbije i Crne Gore, 2005, Vol. 43, No 2, pp. 131-137, ISSN 0354-5253		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		1	
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Pantović B. Jovanka	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		13.06.1993	
Scientific or art field:		Mathematics	
Academic career	Year	Institution	Field
Academic title election:	2010		Mathematics
PhD thesis	2000	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1996	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1991	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.	E145	Operations Research	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, 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.	GI101	Algebra	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	H203	Mathematics 3	(H00) Mechatronics, Undergraduate Academic Studies
6.	IAM002	Discrete and Combinatorial Methods for Computer Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	S053N	Operations research	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	OM512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
9.	OML512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
10.	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
11.	D0M08	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	D0M13	Theory of Mobile Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
13.	D0M14	Process Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M22	Multiple-Valued Logic	(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 MASTER ACADEMIC STUDIES Mathematics in Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
15.	D0M23	Clone Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	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
17.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies
18.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Gilezan S., Pantović J., Žunić J.: Partitioning Finite d-Dimensional Integer Grids with Applications, chapter in: Approximation Algorithms and Metaheuristics (editor: T. F. Gonzalez), Chapman		
2.	Ghilezan S., Pantović J., Žunić J., Separating points by parallel hyperplanes - characterization problem, IEEE Transactions on Neural Networks, 2007, Vol. 18, No. 5, 1356-1363.		
3.	Mariangiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantovic, Daniele Varacca: Security types for dynamic web data. Theor. Comput. Sci, 2008, 402(2-3): 156-171		
4.	Pantović J., Vojvodić D., On the cardinality of nonfinitely based functionally complete algebras, Algebra Universalis, Vol. 43, No. 4, 2000, 369-374.		
5.	Pantović J., Tošić R., Vojvodić G., The cardinality of functionally complete algebras on a three element set, Algebra Universalis, Vol. 38, No.2, 1997, 136-140.		
6.	Pantović J., Machida H., Rosenberg I.: Regular sets of operations, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 19, No 1-3, pp. 149-162, ISSN 1542-3980		
7.	Machida H., Pantović J.: Three classes of maximal hyperclones, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 18, No 2, pp. 201-210, ISSN 1542-3980		
8.	Pantović J., Machida H.: Maximal hyperclones on E2 as hypercores, Journal of Multiple Valued Logic and Soft Computing, 2009, pp. 1-13, ISSN 1542-3980		
9.	Pantović J., Tošić R., Vojvodić G., Relative completeness with respect to two unary functions, Discrete Applied Mathematics, Vol.113 (2-3), 2001, 337-342.		
10.	Marinagiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantović, Security types for dynamic web data, Proceedings of Trustworthy Global Computing, Lecture Notes in Computer Science, 2007, Vol. 4661, str. 263-280.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		30	
Total of SCI(SSCI) list papers :		13	
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Perović I. Veselin	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		24.10.2006	
Scientific or art field:		Production Systems, Organization and Management	
Academic carieer	Year	Institution	Field
Academic title election:	2011		Production Systems, Organization and Management
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Engineering Management
Education Specialist Thesis	2003	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1982	Faculty of Economics - Beograd	Economic Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	Z310	Social Ecology	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	A206	Sociology and Economy of the Built Enviroment	(A00) Architecture, Undergraduate Academic Studies
3.	ASO311	Sociology of Art and Culture	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
4.	ETI41	Sociology of Technique	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
5.	IM1018	Management Accounting and Financial Management	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1414	Analyses of business reports	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1415	Indicators of Business Performance	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1417	Controlling	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1718	Controlling and Auditing in Insurance	(I20) Engineering Management, Undergraduate Academic Studies
10.	A005S	Urban sociology and economics: selected chapters	(A00) Architecture, Specialised Academic Studies
11.	GM502	Management in Construction	(G00) Civil Engineering, Master Academic Studies
12.	GM503	Management in a Construction Company	(G00) Civil Engineering, Master Academic Studies
13.	GM504	Selected Chapters in Construction Economy	(G00) Civil Engineering, Master Academic Studies
14.	IMDS89	Controlling and Internal Audit in Corporate Governance	(I22) Engineering Management, Specialised Academic Studies
15.	IMDS90	Selected Chapters of Strategic Management Accounting	(I22) Engineering Management, Specialised Academic Studies
16.	KIR002	Controlling	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
17.	KIR003	Financial Modeling	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
18.	KON01	Controlling Planning	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
19.	KON02	Controlling Data and Reporting	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		MASTER ACADEMIC STUDIES		Mathematics in Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
20.	MUO002	Management Accounting, Auditing and Controlling	(I20) Engineering Management, Specialised Professional Studies		
21.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies		
22.	Z513A	Economics and the environmental protection	(Z20) Environmental Engineering, Master Academic Studies		
23.	IM2319	Project evaluation	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
24.	IM2419	Business in Terms of Globalization	(I20) Engineering Management, Master Academic Studies		
25.	IM2426	Operational Audit and Controlling	(M50) Energy Management, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies		
26.	ZRMI3A	Sociological and Legal Aspects of Occupational Safety	(Z01) Safety at Work, Master Academic Studies		
27.	A005	Urban Sociology and Economics – Selected Chapters	(A00) Architecture, Doctoral Academic Studies		
28.	IMDR89	Controlling and Internal Audit in Corporate Governance.	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
29.	IMDR90	Selected Chapters of Strategic Managment Accounting	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Perović V., Nerandžić B., Bulatović B.: The Transition Process in the Context of Privatization in the Republic of Serbia (2001-2010) , Actual Problems of Economics, 2013, No 02-2013, ISSN 1993-6788				
2.	Perović V., Nerandžić B., Bojanić R., Živkov E., Bulatović B.: Inflnce of Controlling the Investment Projection ERP (M) With Primary Focus on the Cash-flow in the Company, Metalurgia international, 2013, No 3 - 2013, ISSN 1582-2214				
3.	Nerandžić B., Perović V.: Personality and moral character traits and acnnowledging the principles of management ethics, auditing and accounting ethics, African Journal of Business Management, 2011, ISSN 1993-8233				
4.	Perović V.: Controlling as a useful managment instrument in crisis times, African Journal of Business Management, 2011, ISSN 1993-8233				
5.	Pečujlija M., Perović V., Nerandžić B.: Initiating innovation in Serbian companies organizational cultures, African Journal of Business Management, 2010, Vol. 4, No 18, pp. 3957-3967, ISSN 1993-8233				
6.	Perović V.: Controlling - a Chalange or necessity in time of crisis, 9. International Conference, Srećanje kontrolerjev: IZZivi in priložnosti kontrolinga, Ptuj, 24-25 Septembar, 2009				
7.	Demko-Rihter J., Perović V., Nerandžić B.: Harmonizacija finansijske i perspektive učenja i rasta u cilju povećanja vrednosti multidivizionalnog preduzeća, 15. Strategic Management and decision support systems in strategic Management, Subotica: Ekonomski fakultet Subotica, 22 April, 2010, ISBN 978-86-7233-252-0				
8.	Perović V., Nerandžić B., Bojanić R., Radišić S., Demko-Rihter J.: Controlling – as a Choice for Recent SME's, 3. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Novi Sad: Fakultet tehničkih nauka, 27-29 Maj, 2010, pp. 633-639				
9.	Nerandžić B., Perović V.: Internal audit, operational audit and corporative management, 4. Internacional Conference on Engineering Technologies - ICET, Novi Sad: Fakultet tehničkih nauka, 28-30 April, 2009, pp. 233-238, ISBN 978-86-7892-227-5, UDK: COBISS.SR-ID 245100807				
10.	Perović V., Nerandžić B., Todorović A., Bojanić R.: Controlling in a big company, 4. Internacional Conference on Engineering Technologies - ICET, Novi Sad: Fakultet tehničkih nauka, 28-30 April, 2009, pp. 239-242, ISBN 978-86-7892-227-5, UDK: COBISS.SR-ID 245100807				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		1			
Total of SCI(SSCI) list papers :		5			
Current projects :		Domestic :	1	International :	0

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in Engineering	
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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	(GI0) 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		
Study Programme Accreditation			
MASTER ACADEMIC STUDIES		Mathematics in 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 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		
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.	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		
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</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 carier	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	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.	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>					
MASTER ACADEMIC STUDIES			Mathematics in 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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications

Name and last name:	Sakulski M. Dušan		
Academic title:	Assistant Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 01.10.2007		
Scientific or art field:	Environment Protection Engineering		
Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	2002	WITS University - Johannesburg	Environment Protection Engineering
Bachelor's thesis	1982	Faculty of Civil Engineering - Beograd	Civil Engineering
Magister thesis	-		Civil Engineering

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



	ID	Course name	Study programme name, study type
1.	URZP23	Applied Information Technologies	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP36	Risks in Manipulating Hazardous Substances	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	URZP41	Disasters and Vulnerability	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	URZP44	Application of geoinformation technology in risk management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP46	Cycle Elements of Catastrophic Events	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	URZP56	Fundamentals of Risk and Fire Protection Management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	Z415	Accidental Risks Management	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z511P	Institutional Framework in Risk Management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
9.	Z307	Modelovanje i simulacija u IZŽS(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	Z409A	Upravljanje opasnim otpadom(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	Z415	Upravljanje akcidentalnim rizicima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
12.	ZC047	Waste to energy technologies	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
13.	ZP515	Qualitative and quantitative methods of risk management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
14.	Z510	Upravljanje akcidentalnim rizicima i životna sredina(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	Z511	Institucionalni okviri upravljanja akcidentnim rizicima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
16.	ZP501	Integrated Natural Disaster Risk Management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
17.	IM2707	Methods for the analysis of insurance risk	(I20) Engineering Management, Master Academic Studies
18.	IM2714	Disaster risk management cycle	(I20) Engineering Management, Master Academic Studies
19.	IM2715	Modeling and simulation in risk management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
20.	IMDS72	Advanced risk assessment methods	(I22) Engineering Management, Specialised Academic Studies
21.	MPK009	Enviromental hazards	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
22.	MPK012	Solid waste management	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
23.	MPK014	Monitoring and system control	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), 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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
24.	MPK019	Disaster risk management	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
25.	ZCM06	Security of strategic energy facilities	(ZC0) Clean Energy Technologies, Master Academic Studies
26.	IMDR72	Advanced risk assessment methods	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	ZRD233	Selected topics in the field of insurance from the standpoint of safety and health at work	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Marjanovic P., Miloradov M., Cukic Z., Sakulski D., Bogdanovic S.: "Integrated cadastre (Inventory System) for pollution sources in the Danube Basin in Yugoslavia", Water Science and Technology, Vol. 32 No 5-6 pp 265-275, IWA Publishing 1995		
2.	Sakulski D.: "Web-enabled GIS in Disaster Management", The Global Magazine for Geomatics, May 2005, Volume 19, Number 5		
3.	Sakulski D.: "Implementation of the multi-software solution for the on-the-fly calculation of the Standardized Precipitation Index (SPI) as a drought indicator for South African environment" ENVIROSOFT 2000, 2000, Bilbao, Spain		
4.	Sakulski D., "Development and implementation of a database driven web-enabled integrated system for air quality observation and analysis", International Conference on Air Pollution, 2001, Ancona, Italy		
5.	Sakulski D. Stephenson D, Marjanovic P.: "WebMathematica as a Core Service for the Calculation of the Drought Indicator for South Africa", The 5th International Mathematica Symposium, 2003, London, UK		
6.	Sakulski D.: "South African National Disaster Hazard and Vulnerability ATLAS", International Conference on Disasters and Society – From Hazard Assessment to Risk Reduction, 2004, Karlsruhe, Germany		
7.	Sakulski D.: "Geo-Information as an Integral Component of the National Disaster Hazard and Vulnerability ATLAS", First International Symposium on Geo-Information for Disaster Management, 2005, Delft, Netherlands		
8.	Sakulski D.: "Analiza zaustavnog puta u funkciji merodavnog vozila", Put i saobraćaj, 1984		
9.	Sakulski D.: "Ojačanje kolovoza upotrebom FW deflektometra", Put i saobraćaj, 1986		
10.	Sakulski D., Katic Z.: "Klasifikacija oštećenja kolovoza", Put i saobraćaj, 1986		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		1	
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Simeunović V. Nenad	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.02.2001	
Scientific or art field:		Production Systems, Organization and Management	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2012	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	1999	Faculty of Technical Sciences - Novi Sad	Material Binding Technologies
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	I914	Project Management	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	II1006	Processing Technology Products	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	IM1016	Production and Service Technologies	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1039	Fundamentals of Operations management	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	IM1103	Services Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
6.	IM1116	Work Study and Ergonomics	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
7.	IM1312	Tools and Techniques of Project Management	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1318	Managing Relationships with Stakeholders	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1321	Management of the Project Team	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
11.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
12.	PLM05	Management of PLM Projects	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
13.	PLM06	Technologies for Disposal at the Products End-Of-Life	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
14.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
15.	IM2322	Event Management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
16.	UP003	Organization of Events	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
Representative references (minimum 5, not more than 10)			
1.	Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolić J., Simeunović N.: Machining fixture assembly/disassembly in RFID environment, Assembly Automation, 2011, Vol. 31, No 1, pp. 62-68, ISSN0144-5154		
2.	Simeunović N., Ćosić I., Radaković N., Lalić B.: The General Work Procedure Model for the Service Product, Beč, DAAAM International Scientific Book, 2009, str. 281-288, ISBN 987-3-901509-71-1 , UDK: ISSN1726-9687		
3.	Ćosić, I.; Radaković, N.; Simeunović, N: THE SERVICE PRODUCT PLANNING WORK PLAN ANALYSIS, XIV međunarodna konferencija INDUSTRIJSKI SISTEMI IS 2008, Novi Sad: FTN GRID Novi Sad, 02.-03. oktobar, 2008,		
4.	Radaković, N., Simeunović, N., Dakić, R., Pantelić, I. »Sličnosti i razlike u procesima proizvodnje i pružanja usluga« XIII međunarodna konferencija INDUSTRIJSKI SISTEMI IS 2005, Herceg Novi, 2005.		
5.	Ćosić, I.; Radaković, N.; Simeunović, N.; Lalić, B.: Creating the Service Product by Applying the General Work Procedure Model, Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, Vienna, Austria: DAAAM International, 22.-25. October, 2008, str. pp 153- UDK: ISSN1726-9679 , ISBN ISBN 978-3-901509-68.		
6.	Vukelić, Đ., Vrečić, T., Hodolić, J., Simeunović, N., Križan, P.: A system for manufacturing process statistical quality control, 12 th International Scientific Conference MECHANICAL ENGINEERING 2008, Bratislava: The Faculty of Mechanical Engineering, 13. - 14. November, 2008, str. CD- ROM, ISBN 978-80-227-2987-1.		
7.	Hodolić J., Ćosić I., Budak I., Matin I., Simeunović N., Hadžistević M., Vukelić Đ., Antić A., Bešić I.: Baza podataka sa softverskom aplikacijom kao podrška platformi za kontinualnu edukaciju FTN-a, 2010		
8.	Simeunović N., Budak I., Ćosić I., Hodolić J.: Razvoj novog pristupa u organizaciji kontinualnog obrazovanja, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 257-260, ISBN 978-86-7892-323-4		
9.	Simeunović N.: Istraživanje uslova za primenu metoda i tehnika operacionog menadžmenta u uslužnim sistemima, Novi Sad, FTN Novi Sad, 2012		
10.	Razvoj opšteg modela postupaka rada za različite vrste proizvoda		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		4	
Total of SCI(SSCI) list papers :		1	
Current projects :		Domestic :	2
		International :	2

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in Engineering	
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Science, arts and professional qualifications



Name and last name:		Stojaković M. Mila	
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:		Mathematics	
Academic carier	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1980	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1978	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1975	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.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, 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.	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.	ZC006	Probability, Statistics and Random Processes	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	OM504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
7.	OM505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
8.	OML504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
9.	OML505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
10.	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
11.	IAM005	Mathematical Game Theory	(F20) Engineering Animation, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies
12.	SD0M03	Operational Research	(GI0) Geodesy and Geomatics, Specialised Academic Studies
13.	SD0M15	Statistics	(GI0) Geodesy and Geomatics, Specialised Academic Studies
14.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
15.	D0M03	Operational Research	(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 MASTER ACADEMIC STUDIES Mathematics in Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
16.	D0M04	Random Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M15	Statistics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M27	StatisticsApplied in Engineering	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	DAU004	Selected Chapters in Mathematics 2	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies
20.	DOM59	Fixed point 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 (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.	Mila Stojaković, Decomposition and representation of fuzzy valued measure, Fuzzy Sets and Systems, 112(2000) 251-256		
2.	Mila Stojaković, Fuzzy conditional expectation, Fuzzy Sets and Systems, 52(1992) 49-54		
3.	Mila Stojaković, Fuzzy random variable, expectation, martingales, J.Math.Anal.Appl., 184(1994) 594-606.		
4.	Mila Stojaković, Fuzzy martingales, Stochastic Analysis and Applications, 14(1996), 355-368.		
5.	Mila Stojaković, Zoran Stojaković, Support function for fuzzy set, Proceedings of Royal Society, London A, 452(1996), 421-438.		
6.	Mila Stojaković, Zoran Stojaković, Addition and series of fuzzy sets, Fuzzy Sets and Systems, 83(1996) 341-346.		
7.	Mila Stojaković, Representation of fuzzy valued mappings, Fuzzy Sets and Systems, 98(1998) 375-381.		
8.	Mila Stojaković, Fuzzy valued measure, Fuzzy Sets and Systems, 65(1994) 95-104 .		
9.	Mila Stojaković, Common fixed point theorems in complete metric and probabilistic spaces, Bull. Australian Math. Soc., 36(1987) 73-88.		
10.	Mila Stojaković, Zoran Ovcin, Fixed point theorems and variational principle..., Fuzzy Sets and Systems, 66(1994) 353-356.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		71	
Total of SCI(SSCI) list papers :		16	
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Šenk I. Vojin	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.01.1987	
Scientific or art field:		Telecommunications and Signal Processing	
Academic career	Year	Institution	Field
Academic title election:	2003	Faculty of Technical Sciences - Novi Sad	Telecommunications and Signal Processing
PhD thesis	1992	School of Electrical Engineering - Beograd	Telecommunications and Signal Processing
Magister thesis	1989	School of Electrical Engineering - Beograd	Telecommunications and Signal Processing
Bachelor's thesis	1981	Faculty of Technical Sciences - Novi Sad	Telecommunications and Signal Processing
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EK310	Introduction to Information Theory	(BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EK462	Entrepreneurship in ICT	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	EK464	Communication Systems Design	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	DE310S	Encoding and Signal Transmission Techniques	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
5.	DE510S	Algorithms of Signal Detection and Estimation	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
6.	EK521	Information and Communication Theory	(S01) Postal Traffic and Telecommunications, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
7.	EK533	Detection and Estimation	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
8.	EK534	Cryptography System for Data Protection	(OM1) Mathematics in Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
9.	EK536	Coding Techniques	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	RPR004	Entrepreneurship, Innovation, Knowledge Regions - Role of Universities	(RPR) Regional Development Planning and Management, Master Academic Studies
11.	DAU001	Selected Chapters in Telecommunications and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	DE310	Encoding and Signal Transmission Techniques	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
13.	DE510	Algorithms of Signal Detection and Estimation	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Vukobratović D., Šenk V.: Design and Evaluation of Irregular LDPC Codes Using ACE Spectrum, IEEE Transactions on Communications, 2009, Vol. 57, No 8., pp. 2272-2279, ISSN 0090-6778, UDK: 10.1109/TCOMM.2009.08.070548		
2.	Sejdinović D., Vukobratović D., Doufexi A., Šenk V., Piechocki R.: Expanding Window Fountain Codes for Unequal Error Protection, IEEE Transactions on Communications, 2009, Vol. 57, No 9, pp. 2510-2516, UDK: 10.1109/TCOMM.2009.09.070616		
3.	Vukobratović D., Šenk V.: Generalized ACE Constrained Progressive Edge-Growth LDPC Code Design , IEEE Communications Letters, 2008, Vol. 12, No 1, pp. 32-34, ISSN 1089-7798, UDK: 10.1109/LCOMM.2008.071457		

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
Representative references (minimum 5, not more than 10)			
4.	V. Crnojević, V. Šenk, Ž. Trpovski, "Advanced Impulse Detection Based on Pixel-Wise MAD", IEEE Signal Processing Letters, vol.11, no. 7, 2004, pp. 589-593.		
5.	D. Bajić, V. Šenk, M. Despotović, "Subsets of the STM-1 frame-alignment signal: a monitoring analysis", IEE Proc. Commun., vol. 149, no. 5, Oct. 2002. pp. 242-248.		
6.	Miroslav Despotović, Vojin Šenk, Bartolomeu F. Uchôa Filho, "DISTANCE SPECTRA OF CONVOLUTIONAL CODES OVER PARTIAL-RESPONSE CHANNELS", IEEE Transactions on Communications, vol. 49, no.7, pp. 1121-1124, July 2001.		
7.	Kovačević M., Šenk V.: On Possible Dependence Structures of a Set of Random Variables, Acta Mathematica Hungarica, 2012, Vol. 135, No 3, pp. 286-296		
8.	Bojović Ž., Perić Z., Delić V., Šećerov E., Sečujski M., Šenk V.: "Comparative Analysis of the Performance of Different Codecs in a live VoIP network using SIP protocol", Electronics and electrical engineering, 2012, Vol. 117, No 1, pp. 37-42, ISSN 1392-1215		
9.	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		
10.	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		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		141	
Total of SCI(SSCI) list papers :		18	
Current projects :		Domestic :	3
		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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Štrbac D. Dragana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.04.2002	
Scientific or art field:		Environment Protection Engineering	
Academic carier	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	2011	Faculty of Sciences - Novi Sad	Physics
Magister thesis	2006	Faculty of Sciences - Novi Sad	Physics
Bachelor's thesis	2001	Faculty of Sciences - Novi Sad	Physics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	Z101	Introduction and Principles of Environmental Protection	(Z20) Environmental Engineering, Undergraduate Academic 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.	ZR101	Introduction and Principles of Occupational Safety	(Z01) Safety at Work, Undergraduate Academic Studies
5.	ZR440	Influence of radiation on health and occupational safety	(Z01) Safety at Work, Undergraduate Academic Studies
6.	Z105	Energija i okruženje(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	ZC047	Waste to energy technologies	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
8.	Z477	Sustainable Agriculture Engineering	(Z20) Environmental Engineering, Master Academic Studies
9.	Z508	Specific Design Conditions in Environment Protection	(Z20) Environmental Engineering, Master Academic Studies
10.	Z510	Accidental Risk Management and the Environment	(OM1) Mathematics in Engineering, Master Academic Studies (Z01) Safety at Work, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
11.	ZR501	Hazardous Materials and Hazardous Waste	(Z01) Safety at Work, Master Academic Studies
12.	Z510	Upravljanje akcidentalnim rizicima i životna sredina(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
13.	SZD017	Solid Materials in the Environment	(Z00) Environmental Engineering, Specialised Academic Studies
14.	ZCM03	Novel materials in energetics	(ZC0) Clean Energy Technologies, Master Academic Studies
15.	ZCM06	Security of strategic energy facilities	(ZC0) Clean Energy Technologies, Master Academic Studies
16.	ZD017	Solid Materials in the Environment	(Z00) Environmental Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	S. R. Lukić, D. M. Petrović, G. R. Štrbac, D. D. Štrbac, Chalcogenide films on glass substrate as attenuators of X-ray radiatio, Zeitschrift fur Kristallographie, 23 (2006)		
2.	D.D. Strbac, S.R. Lukic, D.M. Petrovic, J.M. Gonzalez-Leal, A. Srinivasan, Single oscillator energy and dispersion energy of uniform, Journal of Non-Crystalline Solids, 353 (2007)		
3.	A.F. Kozmidis-Petrovic, G.R. Strbac, D.D. Strbac, Kinetics of non-isothermal crystallization of chalcogenide, Journal of Non-Crystalline Solids 353 (2007)		
4.	D. D. Štrbac, S. Lukić, D. Petrović , J. M. Gonzalez-Leal, A. Srinivasan , G. Štrbac, Influence of substrate absorption on accuracy of determination of refractive index and thickness of uniform thin chalcogenide Cu ₁ [As ₂ (S _{0.5} Se _{0.5}) ₃] ₉₉ film, Thin Solid Films, 518 (2010)		
5.	G., Štrbac, S. Lukić-Petrović, D. Štrbac, D. Petrović, Effect of arsenic atom substitute with antimony on crystallization processes and thermal stability of the (Sb, As)-S-I system, Journal of Non Crystalline Solids, 358 (2012)		
6.	Bašić Đorđe; Petrović Jovan; Marić M.; Dragutinović Gordan; Gvozdenac Urošević Branka; Štrbac Dragana; Mogućnosti korišćenja energetskog potencijala geotermalnih voda u Vojvodini, ISBN 978-86-815-0341-5, Prometej; 2009		
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 and Advanced Materials, 44 (2004)		

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
Representative references (minimum 5, not more than 10)			
8.	S. R. Lukić, D. M. Petrović, D. D. Štrbac, V. B. Petrović, F. Skuban, Dependence of thermal stability and thermomechanical characteristics of non-crystalline chalcogenides in the Cu-As-Se system on copper content, Journal of Thermal Analysis and Calorimetry, 82 (2005)		
9.	A. Djordjevic, M. Vojinovic-Miloradov, A. Kapor, D. Lazar, D. Petrovic, V. Djordjevic Milic, Crucial role of alkyl –substituted benzenes in the formation of intercalate drivatives of C60; Materials Science Forum, 453-454 (2004)		
10.	S. Lukić, D. Petrović, V. Petrović, D. D. Petrović, Dispersion of refractive index of the non-crystalline chalcogenides in Cu-As-Se system, Material Science Forum, 453-454 (2004)		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		13	
Total of SCI(SSCI) list papers :		11	
Current projects :		Domestic :	International :
		3	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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</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 carieer	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		
	Study Programme Accreditation MASTER ACADEMIC STUDIES Mathematics in Engineering		
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Uzelac S. Zorica	
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:		Mathematics	
Academic carier	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	1980	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1974	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.	GG00	Mathematical Methods 1	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG05	Mathematical Methods 2	(G00) Civil Engineering, Undergraduate Academic Studies
3.	II1052	Mathematics 2	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1002	Mathematics 1	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	IM1006	Mathematics 2	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1120	Knowledge management	(I20) Engineering Management, Undergraduate Academic Studies
7.	OM518	Numerical Solutions of Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
8.	OML518	Numerical Solution of Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
9.	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
10.	HR013	Knowledge Economy	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	MBA309	Human Resource Management in Knowledge Economy	(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	OIR010	Mathematics for Business and Finance	(I20) Engineering Management, Specialised Professional Studies
13.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies
14.	D0M16	Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	D0M18	Numerical Analysis	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DM322	Numeric Methods in Power Machines and Plants	(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>					
MASTER ACADEMIC STUDIES			Mathematics in Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
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 (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.	Surla K., Teofanov Lj., Uzelac Z.: A robust layer-resolving spline collocation method for a convection-diffusion problem, Applied Mathematics and Computation, 2009, Vol. 208, No 1, pp. 76-89, ISSN 0096-3003				
2.	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, ISSN 0378-4754				
3.	Surla K., Uzelac Z., Some uniformly convergent spline difference schemes for singularly perturbed boundary value problems, IMA J. Numer. Anal.10(1990) 209-222				
4.	Sekulić, D., Edeskuty, F.J., Uzelac, Z., Heat Transfer Through a High Temperature Superconducting Current Lead at Criogenic temperatures, Int.J. Heat Mass Transfer, Vol. 40, No 16, 1997, 3917-3926,				
5.	Uzelac, Z., Surla, K., Discretization of the Semilinear Singularly Perturbed Problem, Nonlinear Analysis: Theory, Methods and Applications, Vol.30, No.8, (1997), 4741-4747				
6.	Sekulic, D., Uzelac, Z., Edeskuty, F., J., Entropy generation in a high temperaturesuperconducting current lead, Cryogenics, Vol 32(1992) 1154-1161				
7.	Cvetičanin, L., Uzelac, Z., Longitudinal Vibration of Rod with Non-Linear Constitutive Equation, Journal of Vibration and Control,5, (1999), 827-849				
8.	Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, International Journal of Computer Mathematics, Vol. 84, No. 1, 2007, 33-50				
9.	Z. Uzelac, L. Nešić, D. Hristić, A Contribution to Research the Characteristics of Women Managers and a New Style of Leadership, Proceedings of IC-Congress, Haarlem, The Netherlands, 3-4. May 2007				
10.	Dj. Ćelić, Z. Uzelac, Vrednosne mreže, Zborniki radova XIII Medjunarodna konferencija industrijski sistemi-IS05, Herceg Novi, 07-09. septembar, 2005, 921-931				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			52		
Total of SCI(SSCI) list papers :			26		
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;">Study Programme Accreditation</p> <p style="text-align: center;">MASTER ACADEMIC STUDIES Mathematics in Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Vojinović-Miloradov B. Mirjana	
Academic title:		Emeritus Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.01.2000	
Scientific or art field:		Environment Protection Engineering	
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	1976	Faculty of Technology - Novi Sad	Technological Engineering
Magister thesis	1971	Faculty of Technology - Novi Sad	Technological Engineering
Bachelor's thesis	1963	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.	Z503	Practical Course in Environment Protection	(Z20) Environmental Engineering, Master Academic Studies
2.	Z507	Physical and Chemical Principles	(Z20) Environmental Engineering, Master Academic Studies
3.	Z510	Accidental Risk Management and the Environment	(OM1) Mathematics in Engineering, Master Academic Studies (Z01) Safety at Work, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
4.	ZR504	Protection against Chemical Harms, Fire and Explosion	(OM1) Mathematics in Engineering, Master Academic Studies
5.	Z507	Fizičko hemijski principi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
6.	IM2819	Industrial eco-marketing	(I20) Engineering Management, Master Academic Studies
7.	IMDS82	Industrial eco-marketing management	(I22) Engineering Management, Specialised Academic Studies
8.	MPK005	Analysis of environmental protection systems	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engleskom), Master Academic Studies
9.	SZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	(Z00) Environmental Engineering, Specialised Academic Studies
10.	SZD003	Applied Analysis of Physical and Chemical Parameters	(Z00) Environmental Engineering, Specialised Academic Studies
11.	SZSP09	Remediation of contaminated locations	(Z00) Environmental Engineering, Specialised Academic Studies
12.	ZR504A	Chemical risk assessment of fire and explosion	(Z01) Safety at Work, Master Academic Studies
13.	ZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	(Z00) Environmental Engineering, Doctoral Academic Studies
14.	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
15.	ZSP09	Remediation of Contaminated Sites	(Z00) Environmental Engineering, Doctoral Academic Studies
16.	IMDR82	Industrial eco-marketing management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Sonja Kaišarević, Nebojša Andrić, Stanka Bobić, Jelena Tričković, Ivana Teodorović, Mirjana Vojinović-Miloradov, Radmila Z. Kovačević, Detection of Dioxin-like Contaminants in Soil from the Area of Oil Refineries in Vojvodina Region of Serbia, Bulletin of Environmental Contamination and Toxicology (2007), online, 10.1007/s00128-007-9241-4		
2.	S. Pavkov, M. Vojinović, D. Buzarov, RESIDUES OF PERSISTENT ORGANOCHLORINE COMPOUNDS IN SELECTED AQUATIC ECOSYSTEMS OF VOJVODINA, Wat. Sci. Tech., 22(5), 107-111 (1990)		
3.	M. Vojinović-Miloradov, P. Marjanović, D. Buzarov, S. Pavkov, L. Dimitrijević, M. Miloradov, BIOACCUMULATION OF POLYCHLORINATED BIPHENYLS AND ORGANOCHLORINE PESTICIDES IN SELECTED FISH SPECIES AS AN INDICATOR OF THE POLLUTION OF AQUATIC RESOURCES IN VOJVODINA, YUGOSLAVIA, Wat. Sci. Tech., 26(9-11), 2361-2364 (1992)		
4.	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, Environ Chem Lett (2007), 5:109-113		

	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;"> MASTER ACADEMIC STUDIES Mathematics in Engineering </div>		
Representative references (minimum 5, not more than 10)			
5.	B.Škrbić, M.Vojinović-Miloradov, A CONTRIBUTION TO THE QUALITATIVE GC ANALYSIS OF SOME NON-CHLORINATED XENOBIOTIC CHEMICALS IN WASTE WATERS, Wat.Sci.Tech., 30 (3) 91-93, 1994		
6.	Kovačević R., Vojinović-Miloradov M., Teodorović I. and Andrić S. EFFECT OF PCBs ON ANDROGEN PRODUCTION BY SUSPENSION OF ADULT RAT LEYDIG CELLS in vitro. J Steroid Bioch Mol Biol .52(6): 595-597 (1995)		
7.	Miloradov M., Jakšić J., Turk M., Popov S., Vojinović-Miloradov M.: Integralni katastar - harmonizacija zakonske regulative sa EU zakonodavstvom, rad po pozivu, 33. nacionalna konferencija o kvalitetu, zbornik radova, ISBN 86-80581-86-0, maj 2006., str. B-45 - B-48		
8.	Vojinović Miloradov M., Chriastel R.,Miloradov M., Jakšić J., Turk M.: Joint project Serbia and Slovakia on the institutional support of integrated water pollution control, 1. međunarodni kongres „Ekologija, zdravlje, rad, sport“, Zbornik apstrakata, Banja Luka, jun 2006., str. 66-67.		
9.	Mlić N., Milanović M., Grujić Letić N., Turk Sekulić M., Radonić (Jakšić) J., Mhajlović 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.	Grujić Letić N., Mlić N., Turk Sekulić M., Radonić (Jakšić) J., Milanović M., Mhajlović 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		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		120	
Total of SCI(SSCI) list papers :		25	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 3 International : 3 </div>



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 10. Organizational and Material Resources

In order to perform the study program the appropriate human, spatial, technical and technological, library and other resources have been provided that comply with the character of the study programme and the planned number of students. Instruction in the programme Mathematics in Engineering is carried out in two shifts ensuring 2m² of space per student.

Classes are held in lecture halls, classrooms and specialised laboratories. The library houses more than 100 library units relevant to the performance of Mathematics in Engineering study programme. All the courses of the study programme are covered with adequate course literature, course books, and additional material which is available in time and in insufficient quantities for the regular teaching process. At the same time, adequate information and support has been provided.

The Faculty has a library and a reading room and ensures a place for every student in the lecture hall, classroom and laboratory.



Study Programme Accreditation

MASTER ACADEMIC STUDIES

Mathematics in Engineering

Standard 11. Quality Control

The quality control of the study programme is performed regularly and systematically through self-evaluation and external quality control. A long standing tradition of student survey should be emphasised here.

The quality control process is conducted through:

- end of the term students survey for each course
- survey of students at the graduation regarding the quality of the study programme and the logistic support. In addition, the conditions for studying (classroom tidiness and neatness, etc...) are also evaluated.
- survey of the students at the end of the school year. At this point the students evaluate logistics support.
- survey of the student when enrolling a new school year. Here the students evaluate the study program at the year which they have previously completed.
- survey of the teaching and non-teaching staff on the quality of the study programme and its logistic support. Here the work of the Dean`s office, registrar`s office, library, and other services at the Faculty is evaluated. In addition, the conditions for studying (classroom tidiness and neatness, etc...) are also evaluated.

The quality of the study programme is monitored by a committee formed by the heads of all chairs involved in the study programme and one student.



Study Programme Accreditation
MASTER ACADEMIC STUDIES Mathematics in Engineering

Standard 12. Distance Education

Distance learning is not provided for.