
	<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>UNDERGRADUATE ACADEMIC STUDIES</p> <p>Production Engineering</p>		
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STUDY PROGRAMME ACCREDITATION MATERIAL:

PRODUCTION ENGINEERING

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad

2012.

Prevod sa srpskog jezika:

Jelisaveta Šafranj

Ivana Mirović

Marina Katić

Vesna Bodganović

Dragana Gak

Ličen Branislava



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

Programme name	Production Engineering
Independent higher education institution where the programme is being executed	University of Novi Sad
Higher education institution where the programme is being executed	Faculty of Technical Sciences
Educational-scientific/educational-art field	Technical-Technological Science
Scientific, professional or art field	Mechanical Engineering
Type of studies	Undergraduate Academic Studies
Study scope, expressed in ECTS	242-243
Academic degree, abbreviation	Bachelor with Honours in Mechanical Engineering, B.Mech.Eng.
Study length	4
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	117
Planned number of students to be enrolled in this programme	400
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

UNDERGRADUATE ACADEMIC STUDIES

Production Engineering

Standard 00. Introduction

Study program Production engineering is a study program of undergraduate studies at the Faculty of Engineering, University of Novi Sad. It was established at the Department of Production Engineering. Production engineering is an engineering field that on the basis of creativity and modern scientific knowledge enables successful designing and manufacturing of machines and systems, as well as a wide range of products necessary for the functioning of the economy. It integrates the development, design and product quality control, design and management of technological processes planning, and the design and management of factories in the field of metal and plastic industry.

Production engineering plays an important role in the successful operation and maintenance of many of the country's economic sectors, such as transport (road, rail, water and air), telecommunications, agriculture (production and processing), power supply (generation and transmission), the oil industry (production and processing), military (defense and defense industry), health care (clinical centers, hospitals, clinics), research and development centers and specific technologies (aerospace, nuclear). It is estimated that up to 80% of total jobs for mechanical engineers, are jobs for engineers from the field of production engineering.

Production engineering in terms of education should be seen as a study program created according to the needs of industry. Starting from the experience of developed industrial countries, today special emphasis is on the development of small and medium enterprises. Graduate engineers of production engineering are specially designed to work in such companies where it is important to have a knowledge of a wide range of manufacturing technologies for the manufacture of products, as well as the skills and knowledge necessary for design of products and machinery specific to this production. This study program is to enable students to sufficiently understand the basic physical principles of various fields of technology, to acquire the necessary theoretical knowledge and to acquire specific professional applicative knowledge required for the implementation of modern technical systems development and operation of the product.



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Production Engineering

Standard 01. Programme Structure

This study program of undergraduate study is denominated as Production Engineering.

After a graduation, the student receives academic title: Bachelor of Science in Mechanical Engineering (BSc Mech.Eng.).

The outcome of the learning process at this level of study is the knowledge that enables students to use literature, the application of knowledge in solving practical problems in the field or to continue their studies (if they opt for it).

A candidate to be enrolled must have completed four-year secondary school. Application procedures, grading and registration of candidates is defined in the Regulations of enrollment in approved study programs at the faculty level.

Study program of undergraduate studies for production engineering is four years, and is worth 240 ECTS.

This program of study includes required and elective courses, professional practice and graduate thesis. Elective courses are selected from the group of proposed courses. By choosing the courses student have the opportunity to develop their preferences by studying one of the five proposed areas of production engineering from the third year of study: computer aided technologies, modern technologies for material forming, modern technologies for shaping of plastics, precision engineering and software for mechanical engineering.

Application of computer aided technologies in design, processes of metal cutting, process planning, and the use of modern technologies in the production and maintenance of technical systems, is studied in the study group of Computer aided technologies.

In the study group on Modern technologies of materials forming, the emphasis is on studying the application of modern forming technologies; design, process planning related to this group of technologies and the application of forming technologies in the production processes.

Study group Modern technologies for shaping of plastics enables the study of technological aspects of processing various plastic materials, design of plastic products and tools for their creation, and design features of contemporary production machinery in this field.

In the study group Precision engineering emphasis is on the study of the basic principles and sophisticated machining technology to be applied in the design and production of parts that feature high accuracy and precision, as well as the very small dimensions, even to the nano level.

Software engineering is a study group that allows students to acquire detailed knowledge related to the application and development of specific software tools and system that serve as a support in the application of modern mechanical systems.

The study program of each course is designed so offering to students the opportunity to concretize the issues specific to certain areas of production engineering.

All courses in this study program are one semestral, and carry the certain number of credits. According to established standards, one ECTS credit equals approximately 30 hours of student activities (lectures, exercises, preparing for exams, ...).

Upon enrollment each student is determined by an advisor who direct it, according to student interests, which courses to choose in elective positions, where to do the professional practice and which thesis topic to choose. The proposal drawn up jointly by student and his advisor have to be approved by the Commission for the quality of the study program. Advisor overlooks the work and progress of the candidate at the Faculty.

Teaching is done through lectures and exercises. On lectures, using appropriate didactic materials, the course subject is exhibited and the necessary explanations that contribute to a better understanding of the subject matter are provided.

On exercises, which follow the lectures, practical tasks are solved and examples that further illustrate the course matter are presented. It also provides additional explanations of the material is presented in lectures.

In the study program students are required, according to their preferences, to perform the professional practice in enterprises from the field of production engineering.

Instead of teaching in the classroom, the Department organizes excursions, where the obvious teaching is provided. This includes visits to a typical factories, professional institutes and technology fairs in the country and abroad.

Each course carries a certain number of ECTS. Study is considered complete when a student fulfill all obligations in the program of study and collect at least 240 ECTS (pass all required courses and defense the final - graduate thesis).

To student who has completed the bachelor studies in production engineering, in diploma supplement can be added the study group of his final thesis. Decision to include the study group in diploma supplement, on



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the bases of student's request, is on the side of the Commission for the quality of the study program.



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Production Engineering

Standard 02. Programme Objectives

The purpose of the study program of undergraduate studies is to educate students for the profession of an engineer of production engineering in accordance with the needs of society.

Production engineering study program is designed to ensure the acquisition of competencies that are socially justified and useful. The Faculty of Technical Sciences has defined the aims and goals of education for highly competent personnel in the field of engineering. The purpose of the study program production engineering is fully consistent with the basic responsibilities of the Faculty of Technical Sciences.

The realization of this specially conceptualized study program ensures education of engineers of production engineering, which have competence in European and world scale.



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Production Engineering

Standard 03. Programme Goals

The aim of the study program of undergraduate studies is to achieve competence and academic skills in the field of production engineering. This, among other things, includes the development of creative skills and the ability to consider the problem of critical thinking, developing skills, teamwork and mastery of specific practical skills needed for the profession.

The aim of the study is to establish an expert who has sufficient knowledge of the necessary basic engineering disciplines (mathematics, mechanics, ...), general technical disciplines in mechanical engineering, electrical engineering, programming and application of modern information technology, automation, modern machinery, as well as professional application of knowledge in the field of production engineering.

One of the specific objectives, consistent with the goals of education professionals from the Faculty of Technical Sciences is to develop students' awareness of the need for continuing education, the development of society and the environmental protection.

The aim of the study is also the education of professionals in domain of teamwork, and the development of communication skills and professional presentation of results to the general public.



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Standard 04. Graduates' Competencies

Graduates of undergraduate study program production engineering are competent to deal with the real problems in practice and continue their education if they choose to do so. Competencies include, above all, the development of critical thinking skills, ability to analyze problems, synthesis solutions, predicting the behavior of the chosen solution with a clear idea of what is good and what is bad by the chosen solution. Related to mastering specific skills, students acquire basic knowledge and understanding of all disciplines in relevant fields, as well as the ability to solve practical problems with the use of scientific methods and procedures. Considering the nature of the study program, is especially important ability to relate basic knowledge in various fields and their applications. Production engineering graduates are able to properly write and to present the results of their work. During the study focus is on intensive use of information and communication technologies.

Graduates of this level of study have competences to apply knowledge in practice and the monitoring and implementation of innovation in the profession, and to cooperate with local and international social environment.

Students are trained to design, organize and manage production. During studies student gains the ability to independently perform experiments, statistical analysis of the results and to produce and formulate appropriate conclusions.

Production engineering graduates gain knowledge on how to cost-effectively use natural resources of the Republic of Serbia in accordance with the principles of sustainable development. Special attention is paid to the development of teamwork spirit and the development of professional ethics.



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Production Engineering

Standard 05. Curriculum

The curriculum of undergraduate study program production engineering has been formed to meet all of our goals. The structure of the study program provided about 15% of academic general-educational, about 20% of theoretical-methodological, about 35% of the scientific-technical and 30% of professional-applicative courses. It is also filled with electives that are represented with 20% of credits. In addition to the previous division, the courses of the study program can be divided into the following groups:

- Group of courses from basic engineering disciplines (mathematics, mechanics, ...),
- Group of courses from the field of mechanical engineering,
- Group of objects from the field of electrical engineering,
- Group of courses related to automatic control,
- Group of subjects from the field of programming and the use of applicative software (CAD, simulation, ...).
- Group of courses in which education in production engineering is concretized.

The first two years are basic and focused on general education of students in this educational program, while through the selection of elective courses during the remaining two years including the thesis, student qualifies for a particular expertise within the specific field of production engineering - computer aided technologies, modern technologies for material forming, modern technologies for shaping of plastics, precision engineering and software for mechanical engineering - so that at the end of the study profiled form of knowledge gained in the field of production engineering.

All courses are single semestral and carry an appropriate number of ECTS points where one point equals approximately 30 hours of student activities. The order of presentation of the courses is such that the skills needed for the following courses are acquired in previously presented courses.

The curriculum is defined in the description of each course that contains the name, type, year and semester of study, the number of ECTS credits, name of the teacher, the course aims to appropriate outcomes, skills and competencies, prerequisites for attending the course, course content, suggested readings, teaching methods, methods of assessment and evaluation, and other data.

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

An integral part of the curriculum of the production engineering study program is a professional practice and practical work for 45 hours, which is implemented in the relevant scientific research institutions, organizations for innovation activities, in organizations for providing infrastructural support to innovation activities, in companies and public institutions.

A student completes the studies by producing the final thesis, which consists of theoretical and methodological preparation necessary for in-depth understanding of the field of the final thesis as well as of the writing of the thesis.

Prior to the thesis defense, the candidate have to pass the theoretical and methodological basis with the mentor. The final score of the final thesis is done on the basis of the assessment of the theoretical and methodological preparation and assessment of the writing and defense of the thesis. The final thesis is defended before a commission consisting of at least three teachers.



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	<p>UNDERGRADUATE ACADEMIC STUDIES</p>	<p>Production Engineering</p>

Table 5.2 Course specification

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



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Table 5.2 Course specification

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



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	Production Engineering	

Table 5.2 Course specification

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



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Table 5.2 Course specification

Course:		Heat Processing			
Course id:	P105				
Number of ECTS:	5				
Teachers:		Kakaš I. Damir, Škorić N. Branko			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	0	2	0	1	
Precondition courses		None			
1. Educational goal:					
Course objective is to introduce students to heat processing.					
2. Educational outcomes (acquired knowledge):					
Students who successfully master the course will be able to determine optimal technology, define all necessary parameters for technical documentation.					
3. Course content/structure:					
Significance and applicability of Mechanical processing. Types of processes and systematization. Problems with material processing. Improvement technologies, significance and types of parameters. The quality of machines and mechanical processing.					
4. Teaching methods:					
Lectures are held with occasional video presentations. Inductive method is applied in the lectures. Student knowledge is formed based on many little examples, which grows into engineering intuition over time.					
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
Homework		Yes	20.00		
Laboratory exercise attendance		Yes	5.00		
Lecture attendance		Yes	5.00		
Term paper		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Pantelić Ilija	Tehnologija termičke obrade čelika 1		Radnički univerzitet "Radivoj Čirpanov", Novi Sad	1974
2,	Pantelić Ilija	Tehnologija termičke obrade čelika 2		Radnički univerzitet "Radivoj Čirpanov", Novi Sad	1974
3,	George E Totten, Maurice A H Howes	Steel heat treatment handbook		Marcel Dekker	1997
4,	K.E. Thelning	Steel and its Heat Treatment		Butterworth	1978
5,	Grupa autora	Source Book on Heat Treating - Volume II		American Society for Metals	1975
6,	A.V. Luikov	Analytical Heat Diffusion Theory		Academic Press, London	1968
7,	V.P. Isačenko, V.A. Osipova, A.S. Sukomei	Teplo predača		Energia, Moskva	1975



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Table 5.2 Course specification

Course:		Technical Physics			
Course id:	M101				
Number of ECTS:	4				
Teachers:	Kozmidis-Petrović F. Ana, Lončarević M. Ivana				
Course status:	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:					
Acquisition of basic knowledge in technical physics.					
2. Educational outcomes (acquired knowledge):					
Basic knowledge in technical physics.					
3. Course content/structure:					
Fundamental forces and conservation laws. Special theory of relativity. Fundamentals of electrostatics. Electric field and potential. Conductors and dielectric in an electric field. Electricity. DC, resistance. Modern theory of conductivity. Semiconductors. Electromagnetism. The magnetic field of electricity. Electromagnetic induction. Magnetic field energy. AC. Magnetic field in the material. Diamagnetism, paramagnetism, ferromagnetism. Wave propagation and acoustics. Wave equation. Doppler effect. Power and volume. The absorption of sound. Ultrasound. Optics. The basic laws of geometrical optics. Regular reflection. Diffuse reflection. Index refraction. Dispersion. Optical instrument. Wave optics. Polarization. Diffraction of light and X – ray diffraction. Color. Dualism of light. Heat radiation. Black body and Planck law. Photoeffect. Stimulated emission. Lasers. Physical basis of nuclear engineering. Radioactive decays. Nuclear reactors. Particle accelerators.					
4. Teaching methods:					
Lectures, Laboratory Practice, Computing Practice, Consultations.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Laboratory exercise defence		Yes	20.00	Written part of the exam - tasks and theory	Yes 70.00
Lecture attendance		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Ana Petrović	Osnovi primenjene fizike		Univerzitet u Novom Sadu Fakultet Tehničkih Nauka	2007



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Table 5.2 Course specification

Course:		Chemistry in Mechanical Engineering			
Course id: Z151					
Number of ECTS: 4					
Teachers:		Kiurski S. Jelena, Radonić R. Jelena, Turk-Sekulić M. Maja			
Course status:		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:					
Introducing students of technical profession to the basic principles and chemistry laws.					
2. Educational outcomes (acquired knowledge):					
Acquiring basic knowledge in the field of general, organic and inorganic chemistry and understanding all the processes and phenomena of chemical reactions in the technical sciences.					
3. Course content/structure:					
Mole, Molar mass. Absolute mass of atom and molecule. Molar volume. Chemical reactions, stoichiometry. Classification of elements and periodic table of elements. Basic chemical laws. Atom structure. Structure of pure substances. Chemical bonds. Intermolecular bonds. Structure of molecules. Dispersed systems. Solutions. Types and characteristics of inorganic compounds. Types and characteristics of organic compounds. Chemical kinetic. Chemical equilibrium. Electrolyte dissociation. Dissociation of water. pH value. Oxidation reduction processes. Corrosion. Corrosion processes and corrosion protection. Thermodynamic and kinetic aspects of catalysis. Thermochemistry. Fuels and lubricants.					
4. Teaching methods:					
Lectures. Laboratory and Computing Practice. Consultations – individual and group. During semester students are required to attend lectures, laboratory and computing practice. After successfully realized examination prerequisites, students take the final exam in written form, which consists of computational and theoretical part. Computational part of the final exam can be quarterly taken through the two colloquiums.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Laboratory exercise defence		Yes	20.00	Coloquium exam	No 20.00
Lecture attendance		Yes	5.00	Coloquium exam	No 20.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	M. Vojinović Miloradov, M. Turk Sekulić, J. Radonić	HEMIJA (interna skripta)		FTN, Novi Sad,	2011
2,	M. Vojinović Miloradov et al.	RADNA SVESKA, Praktikum sa uputstvima za vežbe iz predmeta HEMIJA U MAŠINSTVU		FTN, Novi Sad	2012
3,	O. Stojanović, N., Stojanović, Đ. Kosanović	ŠTETNE I OPASNE MATERIJE		Rad, Beograd	1995
4,	I. Filipović, S. Lipanović	OPĆA I ANORGANSKA KEMIJA I, II (odabrana poglavlja)		Školska knjiga, Zagreb	1991
5,	S. Arsenijević	OPŠTA I NEORGANSKA HEMIJA (odabrana poglavlja)		Naučna knjiga, Beograd	1998
6,	G. W. vanLoon and S. J. Duffy	Environmental Chemistry		Oxford University Press Inc., New York	2011
7,	P. Monk	Maths for Chemistry		Oxford University Press Inc., New York	2006
8,	D. Amić	Organska hemija		Školska knjiga, Zagreb	2008
9,	P. Vollhardt and N. Schore	Organska hemija		Data status, Beograd	2004



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Table 5.2 Course specification

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



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Table 5.2 Course specification

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



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Table 5.2 Course specification

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



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Table 5.2 Course specification

Course:		Casting Technology			
Course id: P110					
Number of ECTS: 5					
Teachers:		Kakaš I. Damir, Škorić N. Branko			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:		Practical classes:	Other teaching types:	Study research work:	Other classes:
2		0	2	0	0
Precondition courses None					
1. Educational goal:					
Course objective is to introduce students with the basics of foundry technology.					
2. Educational outcomes (acquired knowledge):					
Students attending the course will gain necessary knowledge to select adequate casting technology based on requested quantity, application, mechanical properties and tolerances.					
3. Course content/structure:					
Introduction to foundry technology.Technological specifics and necessary equipment for sand, permanent mold, die, lost wax and centrifugal casting technologies. Influence of sand reclamation and sand quality on the cast part characteristics. Influence of part design, material selection and wall thickness on cast part quality. Casting of gray iron, steel and ductile iron castings - basic characteristics of selected materials. Latest trends in foundry technology.					
4. Teaching methods:					
Forms of teaching activities are lectures, laboratory practical classes and consultations. Using necessary teaching resources during the lectures, subject matter is presented to students by stimulating their active participation as they are required to explain the contents of which they are assigned.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Laboratory exercise attendance		Yes	5.00	Oral part of the exam	Yes 40.00
Lecture attendance		Yes	5.00		
Project task		Yes	30.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Kovač, R.	Tehnologija izrade odlivaka		Fakultet tehničkih nauka, Novi Sad	2002
2,	John Campbell	Castings		Elsevier	2003
3,	Grupa autora	Metals Handbook – Vol 7, Casting		ASM – Metals Park, Ohio	1997


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Table 5.2 Course specification

Course:		Welding Technology			
Course id:	P206				
Number of ECTS:	5				
Teacher:	Baloš S. Sebastian				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	0	
Precondition courses		None			
1. Educational goal:					
The aim is to obtain basic knowledge in the field of welding technologies.					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge is used as the basis for further education.					
3. Course content/structure:					
Physical properties and classification of welding procedures, theory of welding arc, electrical welding, gas welding, inert/active gas arc welding, resistance welding, welding related technologies, welding materials, ecology of welding.					
4. Teaching methods:					
Teaching is held interactively as lectures and laboratory practice. During lectures, the theoretical part of the teaching content is presented and supplemented by characteristic examples for better understanding. During laboratory practice, the obtained knowledge is practically applied on the available laboratory equipment. Apart from lectures and practice, consultations are held regularly.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Presentation		Yes	10.00	Coloquium exam	Yes 70.00
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Palić, V.	Zavarivanje		Fakultet tehničkih nauka - Novi Sad	1987
2,	Palić, V.; Sabo, B.	Tehnologija zavarivanja - skripta		Fakultet tehničkih nauka - Novi Sad	2003
3,	Blagojević, A.; Pašić, O.	Zavarivanje, lemljenje, lijepljenje		Mašinski fakultet Mostar i Mašinski fakultet Banja Luka	1991
4,	Jovanić, D.; Milić, R.	Zavarivanje - praktikum laboratorijskih vežbi		Viša tehnička škola Zrenjanin	2004
5,	Pašić, O.	Zavarivanje		IP Svjetlost Sarajevo	1998
6,	Grupa autora	Zbirka standarda - Obezbeđenje kvaliteta u zavarivanju		DUZS i SZS u Beogradu	1996
7,	Smiljanić, M.; Antić, M.	Zavarivanje sivog liva u održavanju opreme		DUZS Beograd	1997



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Table 5.2 Course specification

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



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Table 5.2 Course specification

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



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Table 5.2 Course specification

Course:		Metal forming			
Course id:	P207				
Number of ECTS:	5				
Teachers:	Plančak E. Miroslav, Vilotić Ž. Dragiša				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	1	
Precondition courses					
None					
1. Educational goal:					
Mastering the basic knowledge related to the theoretical foundations of metal forming and mastering fundamental technological methods.					
2. Educational outcomes (acquired knowledge):					
Student will be prepared to design basic processes of metal forming: 1. Bulk metal forming (upsetting, extrusion and forging) and 2. Sheet metal forming (cutting, blanking, deep drawing and bending).					
3. Course content/structure:					
The roll of meal forming in contemporary production; Fundamentals of metal forming processes, stresses, strains, stress-strain relation, strain rate, yield criterion, flow curve, process parameters, load, pressure, work of plastic deformation, friction, lubrication; Sheet metal forming (cutting, punching, bending, deep drawing); Bulk metal forming (upsetting, forging, extrusion); Metal forming machine tools; Contemporary approaches to process design.					
4. Teaching methods:					
Lectures; Auditory Practice; Computer Practice; Laboratory Practice; Consultations					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Complex exercises		Yes	20.00	Coloquium exam	No 20.00
Laboratory exercise attendance		Yes	5.00	Coloquium exam	No 20.00
Lecture attendance		Yes	5.00	Theoretical part of the exam	Yes 30.00
Practical part of the exam - tasks				Yes	40.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Plančak, M., Vilotić, D.	Tehnologija plastičnog deformisanja		Fakultet tehničkih nauka, Novi Sad	2012
2,	Plančak, M. i grupa autora	Praktikum laboratorijskih vežbi iz tehnologije plastičnog deformisanja		Fakultet tehničkih nauka, Novi Sad	2002



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Table 5.2 Course specification

Course:		Surface Engineering						
Course id: P210								
Number of ECTS: 6								
Teachers:		Kakaš I. Damir, Škorić N. Branko						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:		
3		0	2		0	1		
Precondition courses		None						
1. Educational goal:								
Expanding knowledge in one of mechanical elements and surface engineering.								
2. Educational outcomes (acquired knowledge):								
Ability to solve problems from one of the mechanical elements and surface engineering.								
3. Course content/structure:								
According to individual needs and interests one of the following modules is chosen: analytical mechanics, theory of elasticity, continuum mechanics, mathematical rod theory, non linear oscillations, non smooth mechanics and optimization, collision theory, chaos in dynamic systems, non linear mechanics with nonconservative characteristics and if needed biomechanics.								
4. Teaching methods:								
Lectures. Mentor work.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Homework			Yes	25.00	Oral part of the exam		Yes	30.00
Homework			Yes	25.00				
Laboratory exercise attendance			Yes	5.00				
Lecture attendance			Yes	5.00				
Term paper			Yes	10.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Kakaš, D., Zlatanović, M.		Plazma depozicija zaštitnih prevlaka			Naučna knjiga, Beograd		1994
2,	Holmberg, K., Matthews, A.		Coatings Tribology			Elsevier		1994
3,	Bunshah F. Rointan		Handbook of Hard Coatings – Deposition Technologies, Properties and Applications			NOYES PUBLICATIONS, Park Ridge, New Jersey		2001
4,	T.M. Nenadović, T.M. Pavlović		Fizika i tehnika tankih slojeva			Institut za nuklearne nauke "Vinča". Beograd		1997



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Table 5.2 Course specification

Course:		Devices and Plasma Procedures in Mechanical Engineering							
Course id:	P211								
Number of ECTS:	6								
Teachers:		Kakaš I. Damir, Škorić N. Branko							
Course status:		Elective							
Number of active teaching classes (weekly)									
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:		
3		0		2		0	1		
Precondition courses							None		
1. Educational goal:									
Acquiring knowledge in the field of devices and plasm procedures in mechanical engineering.									
2. Educational outcomes (acquired knowledge):									
Acquiring experience in the laboratory practice. Training in the field of measuring results processing. Mastering the operation principles of the measuring instruments. Studying the measurement methods.									
3. Course content/structure:									
Surface engineering as the leading technology in 21 century. Fundamentals in plasm technology. Most important types of surfaces and layers. ProdesSES of jone implantations. Thermo and difusion plasm processes.									
4. Teaching methods:									
Lectures. Laboratory Practice. Consultations									
Knowledge evaluation (maximum 100 points)									
Pre-examination obligations				Mandatory	Points	Final exam		Mandatory	Points
Homework				Yes	25.00	Oral part of the exam		Yes	30.00
Homework				Yes	25.00				
Laboratory exercise attendance				Yes	5.00				
Lecture attendance				Yes	5.00				
Term paper				Yes	10.00				
Literature									
Ord.	Author			Title			Publisher		Year
1,	Bunshah F. Rointan			Handbook of Hard Coatings – Deposition Technologies, Properties and Applications			NOYES PUBLICATIONS, Park Ridge, New Jersey		2001
2,	Kakaš, D., Zlatanović, M.			Platforma za upravljanje životnim ciklusom proizvoda			Naučna knjiga, Beograd		1994
3,	T.M. Nenadović, T.M. Pavlović			Fizika i tehnika tankih slojeva			Institut za nuklearne nauke "Vinča" Beograd		1997



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Table 5.2 Course specification

Course:		Fundamentals in Thermodynamics				
Course id:	M203L					
Number of ECTS:	5					
Teacher:		Dragutinović D. Gordan				
Course status:		Mandatory				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		2	0	0		0
Precondition courses						
None						
1. Educational goal:						
Introducing thermodynamic structure, thermodynamic concepts and methods for solving problems of energy conversion.						
2. Educational outcomes (acquired knowledge):						
Acquiring basic knowledge in solving technical tasks of thermal power engineering, thermal process engineering and designing thermal machines and plants.						
3. Course content/structure:						
(1) Thermodynamic system. Mechanical and thermodynamic axioms: conversion of mass, of impulse, first and second law of thermodynamics. (2) Equations of state: Thermal and caloric equations of state for substances (ideal gases, real gases – water and water vapour). (3) Processes. Perfect and real processes. Circular processes and thermodynamic efficiency of these processes (clockwise and counter-clockwise vapour and gas processes).						
4. Teaching methods:						
Lectures and auditory practice. Practice classes follow the lectures and include the advanced level of students` independence in solving assignments.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Exercise attendance		Yes	5.00	Written part of the exam - tasks and theory		Yes 70.00
Lecture attendance		Yes	5.00			
Test		Yes	20.00			
Literature						
Ord.	Author	Title		Publisher		Year
1,	M. Marić	Nauka o toploti - termodinamika, prenos toplote, sagorevanje		Univerzitet u Novom Sadu, Fakultet tehničkih nauka		2006
2,	Đ. Kozić, B. Vasiljević, V. Bekavac	Priručnik za termodinamiku i prostiranje toplote		Građevinska knjiga, Beograd		1983
3,	M. J. Moran, H.N. Shapiro	Fundamentals of Engineering Thermodynamics		John Wiley & Sons, Inc.		1992
4,	Y. A. Cengel, M.A. Boles	Thermodynamics: An Engineering Approach		McGraw-Hill		1998
5,	D. Malić, B. Đorđević, V. Valent	Termodinamika strujnih procesa		Građevinska knjiga, Beograd		1970



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Table 5.2 Course specification

Course:		Measurements and Quality			
Course id:	P209				
Number of ECTS:	6				
Teachers:	Hadžistević J. Miodrag, Hodolič J. Janko, Vukelić B. Đorđe, Budak M. Igor				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	0	2	0	1	
Precondition courses					
None					
1. Educational goal:					
Acquiring knowledge related to the fundamentals of measurement theory, practical implementation of measurement, processing of the measurement results and the quality and theory of experiment.					
2. Educational outcomes (acquired knowledge):					
Acquiring experience in the laboratory practice. Training in the field of measurement results processing. Mastering the principles of the measurement instruments operation. Studying the measuring methods.					
3. Course content/structure:					
Basis of measurement. Errors and measurement methods. Single and universal standards. Measurement and control the length and angles. Measuring instruments. Optical measuring technology. Measurement and control of micro-and macro-geometric parameters of surface. Sensory measurement techniques. Interference measurement techniques. Measurement and control loops. Measurement and control gear. Numerically controlled measuring machines. Flexible automation in manufacturing metrology. Basic concepts of quality. Quality assurance, quality management. The concept of total quality management TQM. Statistical methods of quality management. Methods and techniques of quality improvement. Basics of Six Sigma.					
4. Teaching methods:					
Lectures are realized interactively through lectures, auditory, laboratory and computer practical classes. In lectures theoretical part is presented with characteristic examples for better understanding of subject content. In auditory practical classes, characteristic exercises are covered. Acquired knowledge is practically applied in laboratory practical classes using available laboratory equipment. Apart from lectures and practical classes, consultations are held regularly.					
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 30.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 20.00
Term paper		Yes	20.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Stević, M.; Vukelić, Đ.; Budak, I.; Matin, I. i dr.	Merenje/modeliranje geometrijskih specifikacija proizvoda		Fakultet tehničkih nauka, Novi Sad	2009
2,	Hodolič, J.; Stević, M.; Bešić, I.; Antić, A. i dr.	Merna nesigurnost u industrijskoj metrologiji		Fakultet tehničkih nauka, Novi Sad	2009
3,	Hodolič, J., Hadžistević, M., Tkač, M., Hajduova, Z.	Alati za statističko upravljanje kvalitetom		Fakultet tehničkih nauka, Novi Sad	2011
4,	Badadhe, A.M.	Metrology and Quality Control		Technical Publications	2006


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Table 5.2 Course specification

Course:		Technology for Cutting Processing				
Course id: P208						
Number of ECTS: 6						
Teachers:		Gostimirović P. Marin, Kovač P. Pavel, Sekulić Lj. Milenko				
Course status:		Mandatory				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		0	3		0	0
Precondition courses		None				
1. Educational goal:						
Acquiring basic knowledge in the field of cutting technologies which is used in product design and optimal cutting parameters selection.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge should enable designers of machines and other devices to accurately design products and technologists to design phases of production and selection of optimal cutting parameters.						
3. Course content/structure:						
Significance and application of cutting technologies in contemporary production. Description of machining systems. General cutting theory (process of chip formation, type of chip, depositions on tools, forces and cutting temperature, cooling fluid, tool wear, machinability of materials, productivity, quality and accuracy of machining). Application of cutting theory on turning, milling, drilling, grinding. Basics of cutting machines (classical and NC machine tools for individual, serial and mass production). Flexible manufacturing systems. CIM manufacturing concept.						
4. Teaching methods:						
Lectures. Auditory and computing practice. Individual consultations.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Homework		Yes	10.00	Oral part of the exam		Yes 30.00
Laboratory exercise attendance		Yes	5.00	Practical part of the exam - tasks		Yes 30.00
Lecture attendance		Yes	5.00			
Test		Yes	20.00			
Literature						
Ord.	Author	Title			Publisher	Year
1,	Milikić D., Gostimirović M, Sekulić M.	Osnove tehnologije obrade rezanjem			Fakultet tehničkih nauka, Novi Sad	2008
2,	Kovač P., Milikić D., Gostimirović M., Sekulić M., Savković B.	Zbirka zadataka iz tehnologije obrade rezanjem			Fakultet tehničkih nauka, Novi Sad	2011
3,	Trent E., Wright P.	Metal Cutting			Butterworth–Heinemann, Woburn, USA	2000



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Table 5.2 Course specification

Course:		Machines for Processing by Deforming			
Course id:	P303				
Number of ECTS:	5				
Teachers:		Plančak E. Miroslav, Vilotić Ž. Dragiša			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	0	2	0	0	
Precondition courses		None			
1. Educational goal:					
The goal of this course is to introduce technical - technological characteristics of metal forming machine tools, their structure and principles of work, as well as introduction of basic types of metal forming tools.					
2. Educational outcomes (acquired knowledge):					
Student will be prepared to select adequate machine for specific part and metal forming technique.					
3. Course content/structure:					
Processing system in metal forming, the role of machines and tools. Classification of machines in metal forming. Performance of a machine in metal forming. The methodology of choice for a given technology. Mechanical presses, types, properties, applications in sheet metal forming and bulk metal forming, technical and technological characteristics. Hydraulic presses, types, features, application, technical and technological characteristics. Hammers, types, features, application, technical and technological characteristics. Slots for metal forming, structure and application.					
4. Teaching methods:					
Oral presentation in lectures accompanied with appropriate images, diagrams and schemes projected aided by PC computers. Auditory practical classes and laboratory practical classes in testing tables for IC engines testing with appropriate laboratory equipment.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Final exam - part one	No 20.00
Graphic paper		Yes	20.00	Final exam - part two	No 30.00
Graphic paper		Yes	20.00	Written part of the exam - tasks and theory	Yes 50.00
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Predrag Popović i Dragan Temeljkovski	Mašine za obradu deformisanjem		Mašinski fakultet, Niš	1991
2,	Plančak, M. Vilotić D.	Alati za tehnologije plastičnog deformisanja metala		FTN, Novi Sad	2011
3,	Guinter Spur i Theodor Stoeferle	Umformen band 2/1 i band 2/2		Calr Hanser	1983
4,	Heinrich Makelt	Die Mechanischen pressen		Carl Hanser	1961
5,	Gerhard Oehler	Die hydraulischen presse		Carl Hanser	1962
6,	Vilotić D., Plančak M.	Mašine za obradu deformisanjem - Krivajne prese		FTN, Novi Sad	2010



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Table 5.2 Course specification

Course:		English Language – Elementary				
Course id: EJ01L						
Number of ECTS: 2						
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranjić F. Jelisaveta				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		0	0	0		0
Precondition courses None						
1. Educational goal:						
Mastering English language essentials: pronunciation of English sounds, adoption of vocabulary related to everyday situations, mastering the basics of English language morphology and syntax.						
2. Educational outcomes (acquired knowledge):						
Students are capable of using both oral and written English language in simple everyday situations.						
3. Course content/structure:						
Use of articles, nouns (plural), adjectives (types, possessive adjectives, comparison), pronouns (personal and possessive), auxiliary verbs (be, do, have), modal verbs. Construction and use of tenses (Present Simple, Present Continuous, Present Perfect, Past Simple, future forms. Interrogative and negative forms. Vocabulary related to daily topics: introductions, family, leisure time, business, food and drink, naming and describing daily objects, describing people and places, etc.						
4. Teaching methods:						
Communicative method is used since the objectives and content are directed towards communication, which is very complex. Emphasis is on students` communication with the teacher and among themselves, and on equal development of all language skills.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Test			Yes	10.00	Written part of the exam - tasks and theory	Yes 70.00
Test			Yes	10.00		
Test			Yes	10.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	John and Liz Soars		New Headway Elementary		Oxford University Press	2002
2,	N. Coe, M. Harrison, K. Peterson		Oxford Practice Grammar - Basic		OUP	2006
3,	grupa autora		Oxford Serbian - English Dictionary		Oxford University Press	2006



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Table 5.2 Course specification

Course:		Electric Machines and Power Electronics				
Course id: M109						
Number of ECTS: 7						
Teacher:		Oros V. Đura				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		0	2		0	1
Precondition courses None						
1. Educational goal:						
To provide the future engineers with the necessary level of knowledge in the area of electric machines and power electronics.						
2. Educational outcomes (acquired knowledge):						
Readiness for independent scientific and research work in the area of synthesis of drive mechanism of power machines.						
3. Course content/structure:						
Modelling the components of drive systems. Model levels, quasi-static and dynamic models, concentration of model parameters. Model reduction. Stationary and transitional work mode. Solving the equation of motion and determining section load in the chain of drive mechanism elements. Modelling the electric motor: asynchronous cage and slip ring motor, synchronous motor, DC motor with series, separate and combined excitation. Modelling the systems of electrical motor feeding. Modelling the power transfer in a drive system: mechanical, hydro-dynamic, hydro-static and pneumatic. Modelling the control and regulation sub-systems. Computer simulation of drive operation. Commercial software.						
4. Teaching methods:						
Lectures. Practice classes: numerical (N), laboratory (L), computer (C). Individual consultations. The examination consists of the development and defence of an individual paper and an oral part.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory	Yes 25.00
Lecture attendance			Yes	5.00	Oral part of the exam	Yes 25.00
Test			Yes	10.00		
Test			Yes	10.00		
Test			Yes	10.00		
Test			Yes	10.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	Levi, E., Vučković, V., Strezoski, V.		Osnovi elektroenergetike, elektroenergetski pretvarači		Stylos-FTN	1997
2,	Vukić, Đ		Elektrotehnika		Naučna knjiga	1991
3,	V. Teodorović		Električne pogonske mašine		Naučna knjiga	1978



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Table 5.2 Course specification

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



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Table 5.2 Course specification

Course:		German Language – Pre-Intermediate				
Course id: NJ02L						
Number of ECTS: 2						
Teachers:		Berić B. Andrijana, Jović Đ. Miomira				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		0	0	0		0
Precondition courses						
1. Educational goal:						
Further developing the German language essentials, expansion of vocabulary related to various situations, extension in the usage of tenses, adoption of more complex sentence structures, introduction to culture, customs and ways of thinking of people speaking the German language, expansion and developing language communication competence.						
2. Educational outcomes (acquired knowledge):						
Students are capable of using both oral and written language in a number of everyday situations by using the expanding vocabulary and more complex grammar structures.						
3. Course content/structure:						
Practical part of the course: comprehending complex everyday spoken situations, developing the ability to understand the listened text. Theoretical part of the course: imperfect, part of passive structures, certain infinitive structures, subject and object clauses, conjunctive 2, question pronouns, relative pronouns with relative clauses, asking questions in indirect speech, final sentences with the linking word damit, verb rection, verb use of comparative and superlative, certain time sentences.						
4. Teaching methods:						
Emphasis is on communication, implying students` activity during the classes. During the communication, mutual interaction is essential.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Test		Yes	10.00	Written part of the exam - tasks and theory		Yes 35.00
Test		Yes	10.00	Oral part of the exam		Yes 35.00
Test		Yes	10.00			
Literature						
Ord.	Author	Title			Publisher	Year
1,	H. Aufderstraße, H. Bock, J. Müller. H. Müller	Themen aktuell 2			Hueber Verlag	2004

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Table 5.2 Course specification

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



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Table 5.2 Course specification

Course:		Mechanics 3			
Course id:	M201				
Number of ECTS:	7				
Teachers:	Cvetičanin J. Livija, Kovačić N. Ivana, Zuković M. Miodrag				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
3	3	0	0		0
Precondition courses					



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Table 5.2 Course specification

Course:		Automation in Production Engineering			
Course id:	P301				
Number of ECTS:	5				
Teachers:	Antić T. Aco, Tabaković N. Slobodan, Zeljković V. Milan				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	0	2	0	0	
Precondition courses					
None					
1. Educational goal:					
Acquisition of basic knowledge in the field of automation and machine automation systems and procedures of design, with special focus on automation in production engineering as a basis to cope with the coming of subjects.					
2. Educational outcomes (acquired knowledge):					
Knowledge of principles of machines and automation systems, management practices and exploitation of modern numerically controlled machine tools and systems. Knowledge of computer applications and programming systems for mechanical engineering.					
3. Course content/structure:					
Introduction to the use of computers in mechanical engineering. Fundamentals and basic concepts in the design automation procedures. Equipment for automated design. Elements of computer graphics. Methods formalization and modeling of geometric information. Fundamentals of systems for automated design of products. Basics system for automated industrial processes. Fundamentals and basic concepts in automation machines and systems. Elements of automation. Numerically automation systems (mechanical slot machines, control by the stop, copier systems, with the active measurement). Fundamentals of numerical control machines and systems. Numerical control subsystems. The design of structures and machines with numerical control systems. Fundamentals of automatic programming system.					
4. Teaching methods:					
Classes are held in the form of interactive lectures, laboratory and computer exercises, as well as through consultation. In lectures, theoretical characteristic of the material is illustrated with examples. Through laboratory exercises apply the knowledge gained at the example of machines with different levels of management and operation of numerically controlled machine tools. In addition to lectures and exercises are held regularly and konsultacije.Ocena exam is based on: the presence of lectures and exercises, and successfully finished tasks (two tasks), the success of the Colloquium and the oral part of the exam.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	2.00	Written part of the exam - tasks and theory	Yes 20.00
Exercise attendance		Yes	1.00	Oral part of the exam	Yes 30.00
Graphic paper		Yes	20.00		
Graphic paper		Yes	20.00		
Laboratory exercise attendance		Yes	2.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Gatalo, R., Zeljković, M., Borojev, Lj.	Automatizacija u proizvodnom mašinstvu-Udžbenik u pripremi		Fakultet tehničkih nauka, Novi Sad	2007
2,	Rekecki, J.	Osnovi automatizacije mašina alatki		Fakultet tehničkih nauka, Novi Sad	1974
3,	Rekecki, J., Gatalo, R.	NU tehnike i tehnologije		Fakultet tehničkih nauka, Novi Sad	1984
4,	Mečanin, V.	Alatne mašine sa numeričkim i kompjuterskim upravljanjem		Mašinski fakultet, Kraljevo	1997
5,	Weck, M., Brecher, C.	Werkzeugmaschinen 3-Mechatronische Systeme, Vorschubantriebe, Prozessdiagnose		Springer Berlin Heidelberg	2006
6,	Zeljković, M., Borojev, Lj., Tabaković, S., Antić, A., Živković, A.	Programiranje numerički upravljanih mašina alatki za obradu rezanjem		Fakulete tehničkih nauka, Novi sad	2011



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Table 5.2 Course specification

Course:		Tools for Cutting Processing				
Course id:	P302					
Number of ECTS:	6					
Teacher:	Sovilj N. Bogdan					
Course status:	Mandatory					
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
3	0	3	0	0		
Precondition courses						
None						
1. Educational goal:						
Acquisition of basic knowledge in the field of design and construction, selection and operation of cutting tools.						
2. Educational outcomes (acquired knowledge):						
Knowledge acquired through this subject enables independent design, construction, selection, operation and maintenance of all types of cutting tools.						
3. Course content/structure:						
Introduction to the basics of design and construction cutting tools. Materials for machining. Fundamentals of kinematics of cutting. Classification of tools for machining. Design, construction, selection and operation of tools for turning, hole processing, milling, processing, swipe, treatment and gear teeth grinding. Fundamentals of tribological processes on tools for machining. Sharpening tools for machining. Peculiarities of design tools for FTS. Fundamentals of automated design tools for machining.						
4. Teaching methods:						
Classes are held in the form of interactive lectures and computer exercises. Lectures presents the theoretical part of the material accompanied by characteristic examples for easier understanding of the material. Computer exercises are carried out by the use of information and communication technologies in order to master the knowledge of the study area. In addition to lectures and exercises consultation are regularly held.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes	20.00
Graphic paper		Yes	20.00	Oral part of the exam	Yes	30.00
Graphic paper		Yes	20.00			
Lecture attendance		Yes	5.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Sovilj, B.	Profilni noževi		Forum, FTN, Jugoslovensko društvo za tribologiju, Novi Sad	1995	
2,	Sovilj, B.	Alati za obradu rezanjem.		Fakultet tehničkih nauka, Novi Sad	2012	
3,	Sovilj, B.	Priručnik za laboratorijske vežbe iz Alata za obradu rezanjem		Fakultet tehničkih nauka, Novi Sad	2012	



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Table 5.2 Course specification

Course:		Fixtures			
Course id:	P306				
Number of ECTS:	5				
Teachers:	Vukelić B. Đorđe, Hodolić J. Janko, Hadžistević J. Miodrag, Budak M. Igor				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	0	2	0	1	
Precondition courses					
None					
1. Educational goal:					
The goal of course is to master skills in the field of selection, calculation and exploitation of fixtures, that enable the student to perform the procedure independently in practice. The aim of the course is that engineering gain competence to apply advanced tools for management of fixtures.					
2. Educational outcomes (acquired knowledge):					
Students will be able for independent selection, calculation and exploitation of fixtures. Students gain competence in defining strategies of fixtures management in the various processes of engineering.					
3. Course content/structure:					
General of fixtures. Definition, place and role of fixtures. Fixtures concepts, and their features and application. The basic elements of fixtures - locating elements, clamping elements, fixture body elements, tool guiding elements, tool aligning elements, connecting elements, add-on elements (elements for bridging height and length distances, elements for fixture manipulation, elements for fixture positioning on machine tool, elements for attaching fixtures to machine, securing elements, translating elements, rotating elements). The influential factors and the basic rules in fixtures design. Mechanization and automation of fixtures. Selection, implementation and exploitation of fixtures. Universal fixtures. Fixtures for group technology. Modular fixtures. Phase-change fixtures. Fixtures for assembly. Fixtures for disassembly. Fixtures in metrology and quality control. Fixtures for coordinate measuring machines. Fixtures for additive manufacturing. Fixtures for welding. Fixtures for soldering. Fixtures for handling. Fixtures for precision engineering. Fixtures in flexible manufacturing systems. Fixtures in medicine and dentistry.					
4. Teaching methods:					
Lectures are realized interactively through lectures, laboratory and computer practical classes. In lectures theoretical part is presented with characteristic examples for better understanding of subject content. In auditory practical classes, characteristicl exercises are covered. Acquired knowledge is practically applied in laboratory practical classes using available laboratory equipment. Apart from lectures and practical classes, consultations are held regularly.					
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 30.00
Graphic paper		Yes	20.00	Oral part of the exam	Yes 20.00
Lecture attendance		Yes	5.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Hodolić, J.; Vukelić, Đ.	Pribori		Fakultet tehničkih nauka, Novi Sad	2008
2,	Tanović, L.J.; Jovičić, M.	Alati i pribori - projektovanje, proračuni i konstrukcije pomoćnih pribora		Mašinski fakultet - Beograd	2005
3,	Tadić, B.	Specijalni stezni pribori - zbirka rešenih zadataka		Mašinski fakultet u Kragujevcu	2002
4,	Campbell, P.D.Q.	Basic Fixture Design		Industrial Press Inc.	1994
5,	Hoffman, E. G.	Jig and fixture design		Cengage Learning	2004



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Table 5.2 Course specification

Course:		Processing and Technological Systems						
Course id: P304								
Number of ECTS: 5								
Teachers:		Antić T. Aco, Zeljković V. Milan						
Course status:		Mandatory						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:		
3		0	2	0		1		
Precondition courses		None						
1. Educational goal:								
Getting introduced to basic concepts and principles of mechanics as part of physics and fundamental technical discipline. Mastering basic methods of analysis and technical problem solving								
2. Educational outcomes (acquired knowledge):								
Students use gained knowledge as a conceptual base in other technical disciplines								
3. Course content/structure:								
Units of measurement, physical measurement, and vectors. Rectilinear motion of a particle. Curvilinear motion of a particle. Newton`s law of motion. Application of Newton`s laws. Work and kinetic energy. Potential energy and conservation of energy. Momentum, Impulse and Collision. Rotational motion of rigid bodies. Rotational dynamics. Equilibrium and elasticity. Gravitation. Oscillatory movement. Computer simulation of dynamic systems								
4. Teaching methods:								
Lectures include theoretical basis related to the teaching units and illustrated examples. Based on the lectured matter, methods of analysis and specific problem solving are being developed in the practice classes and applied on selected examples.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Graphic paper			Yes	20.00	Written part of the exam - tasks and theory		Yes	30.00
Laboratory exercise attendance			Yes	5.00	Oral part of the exam		Yes	40.00
Lecture attendance			Yes	5.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Borojev, Lj., Zeljković, M.		Glavne karakteristike i struktura obradnih sistema-udžbenik u pripremi			Fakultet tehničkih nauka, Novi Sad		2008
2,	Stanković, P.		Mašine i alatke - konceptijske i eksploatacione analize mašina za obradu rezanjem			Građanska knjiga, Beograd		1970
3,	Kalajdžić, M.		Tehnologije mašinogradnje			Mašinski fakultet, Beograd		2002
4,	Wech, M. Brecher, C		Werkzeugmaschinen. Maschinenarten und Anwendungsbeeiche			Springer Berlin Heidelberg		2005
5,	Weck, M., Brecher, C		Werkzeugmaschinen 5: Messtechnische Untersuchung und Beurteilung. dvnamische Stabilitat			Springer Berlin Heidelberg		2006



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Table 5.2 Course specification

Course:		Theory of Machining Processes					
Course id:	P1406						
Number of ECTS:	7						
Teachers:		Gostimirović P. Marin, Kovač P. Pavel, Sekulić Lj. Milenko					
Course status:		Elective					
Number of active teaching classes (weekly)							
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:	
3		0	3	0		0	
Precondition courses							
None							
1. Educational goal:							
Upgrade of knowledge in field of machining processes and experimental chcek and practical examples.							
2. Educational outcomes (acquired knowledge):							
Acquired knowledge should enable design of machining processes, devices used in processes and monitoring and choice of opitmal machining parameters.							
3. Course content/structure:							
Fundamentals and movements in the cutting process and tool system. Chip forming processes and influence of machined material. Cutting forces in different machining processes. Cutting temperature. Tribology of cutting process. Tool wear mechanisms and tool life. Integrity of machined surface. Dynamics of cutting process. Cutting fluids and research of material machinability. Choosing of cutting parameters and data bases.							
4. Teaching methods:							
Lectures. Computer (C) practice. Laboratory exercise.							
Knowledge evaluation (maximum 100 points)							
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory	Points
Homework		Yes	10.00	Written part of the exam - tasks and theory		Yes	30.00
Laboratory exercise attendance		Yes	5.00	Oral part of the exam		Yes	30.00
Lecture attendance		Yes	5.00				
Test		Yes	20.00				
Literature							
Ord.	Author	Title			Publisher		Year
1,	Kovač, P., Milikić, D.	Rezanje metala			Univerzitet u Novom Sadu, Novi Sad		1998
2,	P Kovač	Teorija obradnih procesa praktikum za vezbe			FTN		2007
3,	Trent E., Wright P.	Metal Cutting			Butterworth–Heinemann, Woburn, USA		2000
4,	Cus F.	Modeling and optimization of metal cutting			Faculty of Mechanical Engineering		2005



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Table 5.2 Course specification

Course:		Computer Aided Design of Tools and Dies for Metal Forming			
Course id:	P2413				
Number of ECTS:	7				
Teachers:		Plančak E. Miroslav, Vilotić Ž. Dragiša			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
3	0	3	0		0
Precondition courses		None			
1. Educational goal:					
Apprehension of theoretical and practical knowledge in the field of tool design and construction in metal forming technologies.					
2. Educational outcomes (acquired knowledge):					
After completing the courses and passing the exam, students should be able to carry out tool design and construction by using modern methods of calculation and design in bulk metal forming and sheet metal technologies.					
3. Course content/structure:					
The application of modern methods in design and construction of tools, computer aided design, software packages. Design and construction of tools for sheet metal forming, tools for punching, bending tools, deep drawing tools. Multi-position tools. Tools for the automobile industry. Design and construction of tools for bulk metal forming, extrusion tools, forging tools, tools for precision forming, multi-position tools. Modern methods for tool design, finite element method. Methods for tool testing.					
4. Teaching methods:					
Classes are held with the active participation of students in lectures and exercises. In the lectures modern methods of tool design for metal forming technologies are studied, followed by computer-aided design and related software packages. Essential basis for the practical design of certain types of tools for metal forming are provided. In the exercises, knowledge presented in lectures is applied on tool design aided by software packages UGS NX and SolidEdge. Strength determination is performed using the finite element method. Tools are examined in laboratory conditions. Special consultations are included as well.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Final exam - part one	No 30.00
Graphic paper		Yes	20.00	Final exam - part two	No 40.00
Lecture attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Plančak, M., Vilotić D.	Alati za tehnologije plastičnog deformisanja metala		FTN, Novi Sad	2011
2,	Šljivić, M.	Alati za obradu deformisanjem		Mašinski fakultet, Banja Luka	1990
3,	Vilotić D., Plančak M	Mašine za obradu deformisanjem - krivajne prese		FTN, Novi Sad	2010
4,	Günter Spur i Theodor Stoeferle	Umformen, band 2/1 i 2/2		Carl Hanser	1983
5,	Gerhard Oehler	Die hydraulischen pressen		Carl Hanser	1962
6,	Heinrich Makelt	Die mechanischen pressen		Carl Hanser	1961

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Table 5.2 Course specification

Course:		Characteristics and Application of Plastic Materials				
Course id:	P3401					
Number of ECTS:	7					
Teachers:		Gerić D. Katarina, Škorić N. Branko				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
3		0	3	0		0
Precondition courses		None				
1. Educational goal:						
Introduction to the fundamental criteria and techniques that are deterministically based and used in the planning of the power system. Considering main drawbacks of these criteria which do not reflect the stochastic nature of the system. Survey of the main areas for probabilistic modelling of the system behaviour and adequate probabilistic methods and techniques developed. Developing knowledge and understanding of the specificities in modelling electric sources, transfer and distribution systems. Encouraging students to apply their skills and knowledge from probabilistic theory and statistic onto the problems of planning a power system.						
2. Educational outcomes (acquired knowledge):						
Students will be able to design the power sources and transfer systems in order to increase their reliability. They will be able to understand the differences between analytic and simulation modelling methods. They will develop simple power system models for reliability studies. They will be able to estimate adequate power system reliability parameters. They will know to develop the power system technology and the working processes in the sense of overall reliability and feasibility. They will be able to use the specialized software for power system reliability studies, to write technical reports and use software for the analysis of alternative configurations to find the optimal one. They will be competent to utilize the acquired knowledge in solving all problems concerning the power system reliability studies.						
3. Course content/structure:						
Introduction to deterministic criteria for the application in power systems. Main reliability development concept for power systems. Main performances of the power system reliability indicators. Markov modelling. Analytical methods for the production reliability estimation and electric power transfer. Monte Carlo methods. Simulation methods for the production reliability estimation and electric power transfer. Stochastic modelling for hydro-power plants and wind mills parks. Reliability parameters for the power system equipment. Market-oriented performances of the transfer and distribution system indicators working on the competitive market of electric power.						
4. Teaching methods:						
Lectures. Computing practice. Tutorials. Homework. Lectures are performed in a combined manner. Theoretical part is performed using the contemporary tools with characteristic examples contributing to the explanations of the theoretical lecturing part. In practice that follow the lectures, a specialized software is introduced, and adequate tasks are done to elaborate the content presented in lectures.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Homework			Yes	40.00	Oral part of the exam	Yes 40.00
Laboratory exercise attendance			Yes	5.00		
Lecture attendance			Yes	5.00		
Term paper			Yes	10.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	Plavšić, M.	Polimerni materijali			Naučna knjiga, Beograd	1996
2,	Brent Strong, A.	Plastics, materials and processing			Prentice Hall, Ohio, USA	2000
3,	Arie Ram	Fundamentals of Polymer Engineering			Springer	1997
4,	Mašković Lj i dr	Polimerni materijali – fizička svojstva i neki aspekti primene			Policijska akademija, Beograd	1997



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Table 5.2 Course specification

Course:		Introduction to Precision Engineering						
Course id:	P322							
Number of ECTS:	7							
Teachers:		Budak M. Igor, Stojanović M. Goran, Vukelić B. Đorđe						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:	
3		1		2		0	0	
Precondition courses							None	
1. Educational goal:								
Acquiring the theoretical and practical fundamentals of precision engineering.								
2. Educational outcomes (acquired knowledge):								
Basic knowledge about the concept of precision engineering and areas of application. Understanding the importance of precision engineering in modern mechanical manufacturing. Introduction to the basic principles of precision engineering. Ability to understand the methodological and practical aspects of the implementation of precision engineering.								
3. Course content/structure:								
The term, concept, role and importance of precision engineering. Basic principles of precision engineering. Standards in the field of precision engineering. International professional associations in the field of precision engineering. Application fields of precision engineering. Technologies of precision engineering. Fixtures in ultra-precision manufacturing. Metrological aspects of precision engineering. Fundamentals of micro electro-mechanical systems. Fundamentals of nano electro-mechanical systems.								
4. Teaching methods:								
Classes are held in the form of interactive lectures, laboratory and computer exercises. Lectures presents the theoretical part of the course subject accompanied by characteristic examples in order of better understanding. Auditory exercises consist of typical problems' solving and deepening the theoretical knowledge. The laboratory exercises comprise practical application of the gained knowledge on the available laboratory equipment. Consultations are regularly held in addition to lectures and exercises.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Exercise attendance			Yes	5.00	Written part of the exam - tasks and theory		Yes	40.00
Laboratory exercise defence			Yes	10.00	Oral part of the exam		Yes	30.00
Lecture attendance			Yes	5.00				
Test			Yes	10.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Dornfeld, David A., Lee, Dae-Eun		Precision Manufacturing			Springer		2008
2,	Sugioka, Koji; Meunier, Michel; Piqu�, Alberto		Laser Precision Microfabrication			Springer		2010
3,	Budak, I., Hodoli�, J., Be�i�, I., Vukeli�, �., Osanna, P. H., Durakbasa, N. M.		Koordinatne merne ma�ine i CAD inspekcija			Fakultet tehni�kih nauka u Novom Sadu		2009
4,	V. C. Venkatesh, Sudin Izman		Precision Engineering			McGraw Hill Professional		2008


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Table 5.2 Course specification

Course:		Introduction to Programming			
Course id: SE0001					
Number of ECTS: 7					
Teachers:		Ivanović V. Dragan, Marković -. Milan, Milosavljević P. Branko, Nenadić M. Goran			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	0	2	0	1	
Precondition courses		None			
1. Educational goal:					
Understanding the concepts, elements, and structure of computer programs, and basic algorithms for data processing.					
2. Educational outcomes (acquired knowledge):					
Upon successful completion of this course students gain understanding of main computer program concepts and are able to write programs that interact with users; handle different types of data; use basic structural concepts in programming - sequences, selections, and iterations; use subprograms and decompose complex programs; understand elements of software development process; understand elements of algorithm analysis.					
3. Course content/structure:					
The notion of a computer program: the role of hardware and software in a computer system; basics of modern computer operation; the form and function of programming languages; features of the Python programming language; elements of a Python program. Handling numbers: the notion of a data type; numerical data types; representing numbers in a computer; accumulator variables; using mathematical functions. Handling strings: the notion of string and its computer representation; operations on strings; string formatting. Decision structures: the notion of decision; single, double, and n-ary decisions; handling exceptions. Loops and logical expressions: the notion of a loop; finite and infinite loops; interactive and sentinel loops; nested loops; Boolean algebra and Boolean expressions. Subprograms: program decomposition; invoking subprograms; transferring parameters and results; subprogram collections; recursion. Data collections: arrays, operations on arrays, multidimensional arrays; dictionaries. Software development process: representing a real system in a computer program; top-down and spiral development, program testing. Algorithm analysis: concepts, the notion of search, linear and binary search, sorting algorithms.					
4. Teaching methods:					
Lectures; Computer practice. Consultations. The examination is oral. The final grade is formed on the bases of success at laboratory practice and oral examination.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Project defence		Yes	50.00	Oral part of the exam	Yes 50.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	J.M. Zelle	Python Programming: An Introduction to Computer Science, 2nd edition		Franklin, Beedle & Associates	2010



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Table 5.2 Course specification

Course:		Fundamentals in Fluid Mechanics			
Course id:	M205L				
Number of ECTS:	5				
Teacher:	Bukurov Ž. Maša				
Course status:	Mandatory				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	1	1	0	0	
Precondition courses					
None					
1. Educational goal:					
Introduction to the physical properties of fluids and behaviour of fluids at rest and in motion.					
2. Educational outcomes (acquired knowledge):					
Acquisition of knowledge for solving problems in the field liquid and gas at rest and in motion (dimensioning of containers and reservoirs, dimensioning of pipelines, determining flow characteristics).					
3. Course content/structure:					
The subject and a brief historical development of Fluid Mechanics. General concepts. Physical properties of fluids. Molecular structure - microstructure. The division of physical properties. Pressure. Density. Compressibility. Speed of sound. Viscosity. Surface tension, capillarity and critical pressure. Cavitation. Fluid statics. The hydrostatic pressure. Euler equations for a static fluid. Pressure distribution in liquids and gases in the field of gravity. Fluid pressure on a flat surface. Hydrostatic forces on flat surfaces. Hydrostatic forces on curved surfaces. Buoyancy. Fluid as rigid body under uniform linear acceleration. Fluid as rigid body under rotation. Fluid Kinematics. Dynamics of ideal fluid. Euler equations. Bernoulli integral of Euler equations. Bernoulli equations. Correction factor of kinetic energy. Pipe problems - a form with losses. The coefficient of friction. The method of approximation. Pipeline with turbomachinery, the critical pressure, closed pipeline system. The energy diagram. Complex pipelines. Flow through the holes and sockets. Flow with the variable level. Flow rate measurement.					
4. Teaching methods:					
The course is held by using modern equipment (all lectures are done in Power Point), but also by using classical methods – chalk and blackboard. There are a number of movies in fluid mechanics being presented to the students, but also assigned for homework. Objects related to the lectured units are brought to class when possible (pipe elements, measurement instruments). Practice is divided into computing practice (10 weeks) and laboratory (5 weeks). Computing practice accompanies lectures and examination problems are solved on board by gradual display of results. Laboratory practice is held at once for 6 hours, where students carry out experiments and use obtained results to get end results and to draw graphs. Students have to complete practice for homework in order to defend their results and get approval for them at the next laboratory practice class.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	2.00	Oral part of the exam	Yes 50.00
Laboratory exercise attendance		Yes	3.00		
Lecture attendance		Yes	5.00		
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Maša Bukurov	Osnovi mehanike fluida		skripta	2012
2,	Žarko Bukurov	Mehanika fluida		Fakultet tehničkih nauka	1987
3,	Žarko Bukurov, Petar S. Cvijanović	Mehanika fluida zadaci		Fakultet tehničkih nauka	1982
4,	Maša Bukurov, Bogoljub Todorović, Siniša Bikić	Zbirka zadataka iz osnova mehanike fluida		FTN izdavaštvo	2011



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Table 5.2 Course specification

Course:		Nonconventional Procedures in Processing				
Course id:	P305					
Number of ECTS:	5					
Teachers:		Gostimirović P. Marin, Kovač P. Pavel, Sekulić Lj. Milenko				
Course status:		Mandatory				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		0	2		0	1
Precondition courses						



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Table 5.2 Course specification

Course:		Process Planning						
Course id:	P308							
Number of ECTS:	6							
Teachers:		Milošević P. Mijodrag, Todić V. Velimir						
Course status:		Mandatory						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:	
3		0		3		0	1	
Precondition courses							None	
1. Educational goal:								
Students learn to solve tasks of manufacturing and assembly process planning of products.								
2. Educational outcomes (acquired knowledge):								
Knowledge gained enables the use of modern approaches in quality manufacturing and assembly process planning of the product, as well as the improvement of existing process plans.								
3. Course content/structure:								
Introduction in process planning. Technical preparation of production. Technological preparation of production . Product as an object of production. Technical and technological documentation. Manufacturing process planning and assembly. Technological database. Analysis manufacturability of product. Workpieces. Allowance. Accuracy of machining and assembly. Optimization of process plan. Possibility to increase the quality of process planning. Process planning systems and methods. Technological basis for development and implementation of flexible manufacturing systems. Rationalization of proces planning for flexible manufacturing systems. Automatization of manufacturing process planning. Basis of CAPP systems. Assembly process planning.								
4. Teaching methods:								
Teaching is performed in the form of lectures, auditory and laboratory and computer exerices, consultations and company visits. During lectures theoretical part is presented with appropriate practical examples. Within auditory exerices work assignments, as well as appropriate graphic works. On laboratory exercises practically apply their acquired knowledge on the available laboratory equipment. In order to expand practical knowledge, various companies are visited. Within computer pratical classes performed training students in the application of inforamtion technology in the teaching observed field. Besides, regularly consultations are held in order to move closer teaching material and making appropriate graphic works. Colloquia are written and related to theoretical part of material. Written exam within which works appropriate taskts.								
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	30.00
Graphic paper			Yes	20.00	Coloquium exam		Yes	20.00
Lecture attendance			Yes	5.00	Coloquium exam		Yes	20.00
Literature								
Ord.	Author		Title			Publisher		Year
1,	Todić, V.		Projektovanje tehnoloških procesa			Fakultet tehničkih nauka, Novi Sad		2004
2,	Todić, V., Banjac, D.		Projektovanje i optimizacija tehnoloških procesa obrade			Fakultet tehničkih nauka, Novi Sad		2000
3,	Babić, B.		Projektovanje tehnoloških procesa			Mašinski fakultet, Beograd		1999
4,	Scallan, P.		Process planning: The Design/Manufacture Interface			MA: Butterworth-Hienemann, Boston		2003



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Table 5.2 Course specification

Course:		Automated Flexible Technological Systems		
Course id:	P307			
Number of ECTS:	6			
Teachers:	Antić T. Aco, Tabaković N. Slobodan, Zeljković V. Milan			
Course status:	Mandatory			
Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
3	0	2	0	0
Precondition courses				



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Table 5.2 Course specification

Course:		Professional Practice							
Course id:	P313								
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 functioning and organization of enterprises and institutions engaged in business within the profession for which the student qualifies and the potential application of previously acquired knowledge into practice.									
2. Educational outcomes (acquired knowledge):									
Training of students to apply previously acquired theoretical and technical knowledge to solve practical engineering problems specific to the selected companies or institutions. Introduce students to the activities of selected companies or institutions, ways of doing business, management, and the place and role of engineers in their organizational structures.									
3. Course content/structure:									
Formed for each candidate individually, in consultation with management of companies or institutions which carry out professional practice and in accordance with the needs of the profession for which the student qualifies.									
4. Teaching methods:									
Consultation and writing of professional practice diary in which a student describes the activities and tasks completed during the professional practice.									
Knowledge evaluation (maximum 100 points)									
Pre-examination obligations				Mandatory	Points	Final exam		Mandatory	Points
Homework				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:		Probability and Statistics			
Course id:	IM1012				
Number of ECTS:	5				
Teachers:	Gilezan K. Silvia, Adžić Z. Nevenka				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	2	0	0	0	
Precondition courses		None			
1. Educational goal:					
Enabling students for abstract thinking and acquisition of basic knowledge in the field of Probability and Mathematical Statistics. The course objective is to develop special way of thinking in students while studying massive phenomena in the field of environmental engineering. The course character is applicational and the importance is given to the knowledge which can explain quantitative approach to the issues from the field of study. Students are also able to use statistical programs. The objective is to enable students to choose adequate statistical methods, to do statistical analysis and to essentially elaborate it. This knowledge is the foundation for better understanding of the professional literature and for successful advancement in studies.					
2. Educational outcomes (acquired knowledge):					
The student should use acquired knowledge in further education and in professional courses. He/she can make and solve mathematical models using the knowledge acquired in this course. Mastering theoretical knowledge in the field of probability and mathematical statistics studied in this course and skills of calculating and analyzing calculated statistical indicators.					
3. Course content/structure:					
Theoretical lectures: Probability: Axioms of probability. Conditional probability. Bayes formula. Random variable of discrete and continuous type. Random vector of discrete type and common distribution. Conditional distribution. Transformation of random variables. Mathematical expectation. The variance and standard deviation. Moments. Covariance, correlation coefficient. Conditional expectations. Large numbers law. Central limit and linear theorem. Correlation and linear regression. Sample distribution, the mean value and dispersion. Statistics: basic concepts. Population, sample. Statistics. Descriptive statistical analysis (basic concepts, data editing, table and graphic presentation of data, data analysis using methods of descriptive statistics, software support to statistical analysis). Assessment of unknown parameters (point assessment: The method of moments and maximum likelihood method. Interval rates). Parametric and nonparametric hypothesis and tests. Practical lecture (practice): During the lectures adequate examples from theoretical lectures are done, thus practicing the knowledge and contributing to the better understanding of the lectured knowledge.					
4. Teaching methods:					
Lectures: Numerical computing practice, computer practice. Consultations. Lectures are combined. During the lectures theoretical part of the course followed by characteristic examples are presented for better understanding of the lectured material. During the practice, which accompanies lectures, typical problems are solved and the knowledge from the lectures is deepened. During the computer practice processing of obtained data is done using the statistical software. Besides lectures and practice, consultations are held on a regular basis. A part of the course, which represents a logical whole, can be taken during the teaching process in the form of the next two modules (the first module: Probability; the second module: Statistics. In order to take the final examination, the student has to complete computer practice.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Coloquium exam	No 20.00
Homework		Yes	5.00	Coloquium exam	No 20.00
Homework		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
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	M. Stojaković	Matematička statistika		FTN Novi Sad	2003
2,	S.Gilezan, Z.Lužanin, Z.Ovcin, Lj.Nedović, T.Grbić, B.Mihail	Zbirka rešenih zadataka iz statistike		CMS	2005



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Table 5.2 Course specification

Course:		Fixture Design and Measuring Machines			
Course id:	P1401				
Number of ECTS:	4				
Teachers:	Hodolič J. Janko, Vukelić B. Đorđe, Hadžistević J. Miodrag, Budak M. Igor				
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:					
Enabling students for fixteres design, design system for unification, classification and automation fixtures; introduction to the principles of coordinate measurement and CMM.					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge enable independent design fixtures, development of a unification, classification and design automation fixtures, CMM application and interpretation of results.					
3. Course content/structure:					
Special fixtures. Unification and standardization of fixtures and fixtures elements. Designing fixtures. Computer aided fixtures design. Economic calculation and optimization of the design and implementation fixtures. Development of coordinate measuring machine (CMM). The hardware structure of the CMM. The software structure of the CMM. CMM programming. CMM integration of different technological structure. Accuracy CMM and testing.The role of the measuring machine in the concept of Six Sigma.					
4. Teaching methods:					
Lectures are realized interactively through lectures, auditory, laboratory and computer practical classes. In lectures theoretical part is presented with characteristic examples for better understanding of subject content. In auditory practical classes, characteristic exercises are covererd. Acquired knowledge is practically applied in laboratory practical classes using available laboratory equipment. Apart from lectures and practical classes, consultations are held regularly.					
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 30.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 20.00
Term paper		Yes	20.00		
Test		Yes	10.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Hodolič, J., Vukelić, Đ.	Pribori		Fakultet tehničkih nauka, Novi Sad	2008
2,	Majstorović, V.; Hodolič, J.	Numerički upravljane merne mašine		Fakultet tehničkih nauka, Novi Sad	1997
3,	Tadić, B.	Specijalni stezni pribori - zbirka rešenih zadataka		Mašinski fakultet, Kragujevac	2002
4,	Stević, M.	Povećanje tačnosti merenja numerički upravljanih mernih mašina		Fakultet tehničkih nauka, Novi Sad	2006
5,	Budak, I.; Hodolič, J.; Bešić, I.; Vukelić, Đ. i dr.	Koordinatne merne mašine i CAD inspekcija		Fakultet tehničkih nauka, Novi Sad	2009
6,	Vukelić, Đ.	Automatizovano projektovanje pribora		Fakultet tehničkih nauka, Novi Sad	2012
7,	Hoffman, E.G.	Jig and Fixture Design		Cengage Learning	2004
8,	Hocken, J.R., Pereira, H.P.	Coordinate Measuring Machines and Systems		Taylor & Francis	2011



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Table 5.2 Course specification

Course:		CAD/CAE/CAM i CIM Systems			
Course id:	P1402				
Number of ECTS:	6				
Teachers:	Antić T. Aco, Tabaković N. Slobodan, Zeljković V. Milan				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	0	3	0	0	
Precondition courses					
None					
1. Educational goal:					
Acquisition of basic knowledge in the areas of individual subsystems (CAD, CAE, CAM and automated flexible technology infrastructures (afts)) CIM systems and of these subsystems into a single CIM system.					
2. Educational outcomes (acquired knowledge):					
Knowledge of computer applications in the field of product design, engineering analysis, and automated programming NUMA systems, and the integration into a single system.					
3. Course content/structure:					
Introduction to computer integrated manufacturing (CIM) and its subsystems. Automatic flexible technology systems, machines, and other structures within the CIM. Automated design of products within the CIM. Engineering analysis of the CIM (finite element systems, automated calculation). Automated programming of machines and complex systems in the CIM. Procedures and standards for connecting subsystems within the CIM. Methodology connection CIM components into a single unit, and software solutions. Characteristic models of computer integrated manufacturing (CIM).					
4. Teaching methods:					
The lectures are held in the form of interactive lectures, laboratory and computer exercises and through consultation. In lectures, theoretical part of the material is illustrated through specific examples. Through laboratory and computer exercises to apply the knowledge gained at raspoloživoj equipment. In addition to lectures and exercises are regularly held and consultation. Exam score is based on: the presence of lectures and exercises, and successfully defended FINISHED tasks (three tasks), the success of the Colloquium and the oral part of the exam.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	3.00	Written part of the exam - tasks and theory	Yes 20.00
Graphic paper		Yes	20.00	Oral part of the exam	Yes 30.00
Graphic paper		Yes	20.00		
Laboratory exercise attendance		Yes	2.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Zeljkić, M., Gatalo, R., Borojev, Lj.	CAD, CAE, CAMi CIM sistemi-osnove-udžbenik u pripremi		Fakultet tehničkih nauka, Novi Sad	2008
2,	Arsovski, S., Arsovski, Z., Perović, M.	Razvoj CIM sistema		CIM centar, Mašinski fakultet, Kragujevac	1995
3,	Gatalo, R., Rekecki, J., Zeljković, M., Borojev, Lj., Hodolić, J.	Fleksibilni tehnološki sistemi za obradu rotacionih izradaka, knjiga II		Fakultet tehničkih nauka, Novi Sad	1989
4,	Devedžić, G.	Softverska rešanja CAD/CAM sistema		Mašinski fakultet, Kragujevac	2004
5,	Kalajdžić, M.	Metod konačnih elemenata		Institut za alatne mašine i alate, Beograd	1978
6,	Sekulović, M.	Metod konačnih elemenata		Gradjevinska knjiga, Beograd	1988
7,	Toma, J., Tabaković, S., Zeljković, M.	Povezivanje (integracija) pojedinih komponenti CIM sistema		Fakultet tehničkih nauka, Novi Sad	2007
8,	Rehg, J., A., Kraebber, H., W.	Computer-Integrated Manufacturing, Second edition		Prentice Hall, Upper Saddle river, New Jersey	2001



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Table 5.2 Course specification

Course:		Machine Tools Designing			
Course id:	P1407				
Number of ECTS:	7				
Teachers:	Tabaković N. Slobodan, Zeljković V. Milan				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	1	2	0	0	
Precondition courses		None			
1. Educational goal:					
Mastering the content in the field of tool machines and designing.					
2. Educational outcomes (acquired knowledge):					
The competence to critically analyze the existing solutions and synthesize the original solutions in the field of computer integration of production systems.					
3. Course content/structure:					
The current development and trends in the development of machine tools. Define the main characteristics of machine tools. Design of machine tool components. Portable machine tool structure and drive system: mechanical conveyors, elements of mechanical transmissions, hydraulic transmissions, power transmissions and auxiliary drives modern movement. The supporting structure of the machine tool. Other components of machine tools. Examination of vital parts and assemblies of machine tools. Basics of modular design of machine tools. Hydrostatic support and lead. Uniformity of movement of mobile elements of machine tools. New concepts in the construction of machine tools (parallel mechanisms). Calculation of the vital elements of machine tools using finite element method.					
4. Teaching methods:					
Classes are held in the form of interactive lectures, laboratory exercises, and auditory and through consultation. In lectures, theoretical characteristic of the material is illustrated with examples. Through auditory exercises apply the acquired knowledge in defining the concept of substructure pojenih machine tools and machine tool as a whole. Through labs apply their knowledge to analyze the behavior of components of machine tools. In addition to lectures and exercises are regularly held and consultation. Exam score is based on: the presence of lectures and exercises, and successfully defended uradjenog task (a task), the success of the Colloquium and the oral part of the exam.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	2.00	Written part of the exam - tasks and theory	Yes 40.00
Graphic paper		Yes	20.00	Oral part of the exam	Yes 30.00
Laboratory exercise attendance		Yes	3.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Gatalo, R., Borojev, Lj., Zeljković, M.	Proračun glavnih karakteristika mašina alatki za obradu rezanjem		Fakultet tehničkih nauka, Novi Sad	1992
2,	Borojev, Lj., Zeljković, M	Mašine alatke – prenosna struktura mašina alatki – mehanički prenosnici		Fakultet tehničkih nauka, Interno izdanje, Novi Sad	2002
3,	Stanković, P.	Mašine alatke 2-Konstrukcioni elementi mašina za obradu rezanjem		Građevinska knjiga, Beograd	1970
4,	Milačić, V.	Mašine alatke I		Mašinski fakultet, Beograd	1980
5,	Milačić, V.	Mašine alatke II		Mašinski fakultet, Beograd	1981
6,	Stanković, P.	Mašine i alatke - koncepcije i eksploatacione analize mašina za obradu rezanjem		Građanska knjiga, Beograd	1970
7,	Mećanin, V.	Alatne mašine sa numeričkim i kompjuterskim upravljanjem		Mašinski fakultet, Kraljevo	1997
8,	Acherkan, N.S.	Machine tool design		Mir publishers, Moscow	1982
9,	Weck, M., Brecher, C.	Werkzeugmaschinen 2-Konstruktion und Berechnung		Springer Berlin Heidelberg	2006
10,	Weck, M.,Brecher. C	Werkzeugmaschinen 5: Messtechnische Untersuchung und Beurteilung, dynamische Stabilität		Springer Berlin Heidelberg	2006



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Table 5.2 Course specification

Course:		Tribology				
Course id:	P1502A					
Number of ECTS:	6					
Teacher:		Sovilj N. Bogdan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:		
3	0	3	0	0		
Precondition courses						
None						
1. Educational goal:						
Acquiring fundamental knowledge in the field of tribology.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge should enable tribologically correct constuctioning of elements of tribological systems, trobology and tribodiagnostical technological systems.						
3. Course content/structure:						
Introduction: Tribology as a scientific discipline. Systemsatic approach to tribological problems, tribomaterials, tribometry, characteristics of tribological processes, fundamental elements of tribomechanical systems. Fundamentals of maintainance and technical diagnostics. Lubricants. Tribologically correct constructioning. Energy and material saving with the aid of tribology. Tribology and economy. Tribology in ecology. Tribological data base. Tribological aspects of automation of process systems.						
4. Teaching methods:						
Lectures are realized interactively through lectures, auditory, laboratory and computer practical classes. In lectures theoretical part is presented with characteristic examples for better understanding of subject content. Practical work is performed by computer application. Apart from lectures and practical classes, consultations are held regularly.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes	30.00
Project task		Yes	15.00			
Project task		Yes	15.00			
Literature						
Ord.	Author	Title		Publisher	Year	
1,	Sovilj, B.	Podloge za predavanja – tribologija i alati za CIM sisteme.		Autorsko izdanje	2012	
2,	Ivkivić, B., Rac, A.	Tribologija		Jugoslovensko društvo za tribologiju, Kragujevac	1995	
3,	Tanasijević, S.	Tribološki ispravno konstruisanje		Mašinski fakultet, Kragujevac	2004	
4,	Savić, B.	Tribologija i podmazivanje		Izdavačka kuća IKOS, Novi Sad	1995	
5,	Ivković, B., Rac, A.	Tribologija i tehnologija podmazivanja		Studio plus, Beograd	1995	
6,	Babić, M.	Monitoring ulja za podmazivanje		Mašinski fakultet, Kragujevac	2004	



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Table 5.2 Course specification

Course:		Technological Logistics and Entrepreneurship			
Course id:	P1503				
Number of ECTS:	6				
Teachers:	Todić V. Velimir, Milošević P. Mijodrag				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	1	2	0	0	
Precondition courses		None			
1. Educational goal:					
Introducing students to the basic role and tasks of technological logistic and entrepreneurship in production systems.					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge enables quality solution to fundamenatal assignments of technological logistics and entrepreneurship.					
3. Course content/structure:					
Introduction. Tasks technological logistics in preparation of production. Place and significance of techno-economical optimization in technical production preparation. Techno-economical optimization methods. Analitical and experimental methods. Simulation methods. Fundamentals development and optimization of design products. Elements of product quality. Qualitative and quantitative manufacturability. DfX, DfMA. Methods of multicriteria evaluation of products. Process plan as optimization objects. Variational model for optimization of process plans. Automated systems for optimization of process plans. Fundamental tasks operational process planning of production. Optimal works arangement on manufacturing systems. Optimal workers arrangement on work stations. Manufacturing resources calculation. Manufacturing normatives. Manufacturing resources area calculation. Optimal technological equipment arrangement. Application of modern programme systems in simulation of manufacturing processes. Entrepreneurshipm forms in society. Entrepreneurship and entrepreneurs. The entrepreneurial process. Selection and creation of business plan and marketing. Making business and financial plan. Marketing plan. Management of manufacturing systems.					
4. Teaching methods:					
Teaching is performed in the form of lectures, auditory and laboratory and computer exercices, consultations and company visits. During lectures theoretical part is presented with appropriate practical examples. Within auditory exercices work assignments, as well as appropriate graphic works. On laboratory exercises practically apply their acquired knowledge on the available laboratory equipment. In order to expand practical knowledge, various companies are visited. Within computer pratical classes performed training students in the application of inforamtion technology in the teaching observed field. Besides, regularly consultations are held in order to move closer teaching material and making appropriate graphic works.					
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 30.00
Graphic paper		Yes	20.00	Coloquium exam	Yes 20.00
Lecture attendance		Yes	5.00	Coloquium exam	Yes 20.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Todić, V., Penezić, N., Lukić, D., Milošević, M.	Tehnološka logistika i preduzetništvo		Fakultet tehničkih nauka, Novi Sad	2011
2,	Todić, V., Banjac, D.	Projektovanje i optimizacija tehnoloških procesa		Fakultet tehničkih nauka, Novi Sad	2000
3,	Todić, V., Stanić, J.	Osnove optimizacije tehnoloških procesa izrade i konstrukcije proizvoda		Fakultet tehničkih nauka, Novi Sad	2002
4,	Paunović, S.	Preduzetništvo-od biznis ideje do realizacije		Fakultet za menadžment, Beograd	1998
5,	Krstić, J.	Biznis plan		Prometej, Novi Sad	2003
6,	Law, A.M., Kelton, W.D.	Simulation Modeling and Analysis		McGraw-Hill, New York	2000



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Table 5.2 Course specification

Course:		Theory of Oscillation			
Course id:	M2411				
Number of ECTS:	5				
Teachers:		Cvetičanin J. Livija, Zuković M. Miodrag			
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:					
To acquire basic knowledge in the theory of oscillation and in the phenomena of oscillatory motion.					
2. Educational outcomes (acquired knowledge):					
To acquire knowledge necessary for a modern mechanical engineer.					
3. Course content/structure:					
Linear and nonlinear spring. Free oscillations with one degree-of-freedom of motion. Equivalent rigidity. Kinetic and potential energy of the one degree-of-freedom system. Lagrange equations for motion of the one degree-of-freedom system. Riley's procedure for determining circular frequencies. Curled and transversal oscillations of massive girders. Free oscillations with viscous friction force and sliding force in the one degree-of-freedom system. Forced oscillations in the one-degree-of-freedom system. Forced oscillations under Dirak and Heaviside forces. Kinetic and potential energy of the two degree-of-freedom system. Lagrange motion equations for the two degree system. Integration of the motion equation of the two degree-of-freedom system. Forced oscillations of the two degree-of-freedom system. Resonance. Dynamic buffer. Influence of viscous friction on small oscillations in the two degree-of-freedom system. Definition on the stability of motion. Transversal oscillations of a string. Longitudinal oscillations of a beam. Curled oscillations of a beam. Transversal oscillations of a beam. Critical speeds of elastic shafts. Laval's paradox.					
4. Teaching methods:					
Lectures and practice.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	15.00	Written part of the exam - tasks and theory	Yes 30.00
Lecture attendance		Yes	15.00	Coloquium exam	Yes 30.00
Oral part of the exam				Yes	10.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	B. Vujanović	Oscilacije		FTN	1995
2,	I.V. Meščerski	Zbirka zadataka iz mehanike		Naučna knjiga	1995



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Table 5.2 Course specification

Course:		Virtual Product Designing						
Course id:	P1410							
Number of ECTS:	6							
Teachers:		Tabaković N. Slobodan, Zeljković V. Milan						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:		
3		0	3		0	0		
Precondition courses		None						
1. Educational goal:								
Acquiring knowledge in the field of product designing in virtual reality.								
2. Educational outcomes (acquired knowledge):								
Acquiring knowledge on product simulation of mamaging programmes for product creation on NU machines in virtual reality.								
3. Course content/structure:								
Subject introduction. Virtual reality and extended virtual reality. Interaction in real time, simulation i real time, direct interaction with incoming and outgoing devices. Computer equipment for virtual reality. Designing parts and assemblies in virtual reality. Product behaviour simulation in virtual reality. Controlling programme simulation for parts creation on NU machine tools in virtual reality.								
4. Teaching methods:								
Lectures are realized in the form of lectures, auditory and computer practical classes, consultations and company visits. During lectures theoretical part is presented with appropriate practical examples. During auditory practical classes excercises are performed as well as appropriate projects and seminar papers. In order to expand practical knowledge, various companies are visited. During computer practical classes students are taouth to use infromation technologies in the field of the subject content. Apart from that regular consultations are held for the purpose of clarification of subject content and help elaboration of projects and seminar papers. Final mark is formed on the basis of class attendance, partial examination resutls, project and seminar paper.								
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
Graphic paper			Yes	20.00	Oral part of the exam		Yes	40.00
Lecture attendance			Yes	5.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Zeljkić, M. i dr.		Virtuelno projektovanje proizvoda, skripta (u pripremi)			Fakultet tehničkih nauka, Novi Sad		2008
2,	Grosman, K.		Die Realitat im Virtuellen			Technische Universitat Dresden		1998
3,	Sherman, W.,R., Craig, A.,B.		Understanding Virtual Reality, interface, application and design			Morgan Kaufmann Publishers		2003
4,	Dongmin, K., Salim, H.		Virtual Computing: Concept, Design, and Evaluation			Springer		2001

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Table 5.2 Course specification

Course:		Advanced Methods in Metal Forming				
Course id:	P2401					
Number of ECTS:	7					
Teachers:		Plančak E. Miroslav, Vilotić Ž. Dragiša				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
3		0	3	0		0
Precondition courses						
None						
1. Educational goal:						
Introducing students to modern technologies of metal forming, including all relevant elements of production and technology system.						
2. Educational outcomes (acquired knowledge):						
After completing this course students should demonstrate knowledge of modern methods of metal forming technologies, their capabilities and limitations, including the comparative advantages over other technologies as well as the possibility of substitution technologies.						
3. Course content/structure:						
Theoretical basis of metal forming, the theory of stress and strain. Methods for determining the stress-strain state in metal forming. Modern methods of bulk metal forming. Net Shape Forming and Near Net Shape Forming. Precision forming, microforming, precision forging toothed elements (gear). Multiphase design. Microforming. Thixo-forming. Hydroforming of pipes. Modern methods of sheet metal forming. "Tailored blanks" (tailored sheets) and forming. Fine blanking. Spinning. Profile rolling. Formability of materials. Multiphase design of car body parts and big parts in general. CIM technologies in metal forming.						
4. Teaching methods:						
Lectures. Computer exercises. Consultation. Homework assignments. Lectures are conducted combined. The theoretical part presents the use of modern equipment with the development of typical examples of which contribute to the clarification of theoretical lectures. On computer exercises, which follow the lectures, specialized software is taught and appropriate tasks are done, and deepens the presented material from the lectures. Homework assignments are used for the elaboration of certain topics and review of certain aspects of the subject matter.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Laboratory exercise attendance			Yes	5.00	Final exam - part one	No 35.00
Lecture attendance			Yes	5.00	Final exam - part two	No 35.00
Term paper			Yes	20.00	Written part of the exam - tasks and theory	Yes 70.00
Literature						
Ord.	Author	Title			Publisher	Year
1,	Plančak, M., Vilotić, D.	Tehnologija plastičnog deformisanja			FTN, Novi Sad	2012
2,	Lange, K.	Umformtechnik IV			Stuttgart	1975
3,	Vollertsen, F i dr.	Endeigenschaftsnahe Formgebung Fertigung und Baitelprüfung Shaker			Verlag, Paderborn	2000
4,	Guinter Spur und Theodor Stoeterle	Umformen band 2/1 i 2/2			Carl Hanser	1983
5,	Vilotić D., Plančak M.	Mašine za obradu deformisanjem - Krivajne prese			FTN, Novi Sad	2010



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Table 5.2 Course specification

Course:		Designing of Thermal Processing Technologies			
Course id:	P2402				
Number of ECTS:	6				
Teachers:	Kakaš I. Damir, Škorić N. Branko				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	0	3	0	0	
Precondition courses		None			
1. Educational goal:					
The main objective of the course is to acquire knowledge on the types of optimization methods and the possibilities for their application in solving problems in power engineering systems.					
2. Educational outcomes (acquired knowledge):					
Knowledge on the models and problems in the application of static optimization methods. Knowledge on the models and problems in the application of numerical methods. Knowledge on the models and problems in the application of dynamic programming methods. Knowledge on the models and problems in the application of global optimization methods.					
3. Course content/structure:					
Fundamentals in optimization. Graphic optimization methods. Static optimization methods. Linear and network programming: linear programming, primal and dual Simplex method, interior point method, transport problem, etc. Nonlinear programming: minimization of function in certain direction, etc. Numerical methods for solving optimal management: gradient method, Newton-Raphson method, etc. Dynamic programming in power engineering (discrete dynamic programming problem, solving discrete dynamic programming, typical examples of dynamic programming). Lagrange methods (problems and examples of application, comparison with linear programming). Global optimization: genetic algorithm.					
Part of the course is conducted through individual research and study work in the field of optimization methods in power engineering. The study and research work is based on active study of primary scientific sources, organization and performance of experiments and statistic data processing, numerical simulations, and writing a paper in the narrow scientific area within the topic of the Doctoral dissertation.					
4. Teaching methods:					
Lectures. Study and research.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Homework		Yes	10.00	Oral part of the exam	Yes 45.00
Homework		Yes	35.00		
Laboratory exercise attendance		Yes	5.00		
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Pantelić, I.	Tehnologija termičke obrade čelika 1		Radivoj Ćirpanov, Novi Sad	1974
2,	Pantelić, I.	Tehnologija termičke obrade čelika 2		Radivoj Ćirpanov, Novi Sad	1974
3,	Svenčanski, A. D.	Proračun električnih peći		Energija, Moskva	1975
4,	Grupa autora	Source Book on Heat Treating - Volume II		American Society for Metals	1975
5,	K.E. Thelning	Steel and its Heat Treatment		Butterworth	1978
6,	V.P. Isačenko, V.A. Osipova, A.S. Sukomel	Teplo peredača		Energia, Moskva	1975
7,	A.G. Hotchkiss and H. M. Webber	Protective atmospheres		John Wiley and sons, New York	1953



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Table 5.2 Course specification

Course:		Contemporary Casting Technologies				
Course id:	P2403					
Number of ECTS:	6					
Teachers:		Kakaš I. Damir, Škorić N. Branko				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		0	3		0	0
Precondition courses		None				
1. Educational goal:						
Introducing students with the contemporary casting technologies.						
2. Educational outcomes (acquired knowledge):						
Students attending the course will gain necessary knowledge to manage technology department of modern foundries in order to produce parts of top quality. Student will be able to use latest computer methods including the filling and solidification simulations.						
3. Course content/structure:						
Viscosity and fluidity. Castability. Gating and risering system design. Casting solidification. Residual stresses. Casting simulations. Casting defect analysis. Casting of magnesium alloys. Casting of titanium alloys. Lost foam casting.						
4. Teaching methods:						
Lecture forms: lectures, auditory, laboratory and computer practical classes, consultations.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Complex exercises			Yes	40.00	Oral part of the exam	Yes 40.00
Homework			Yes	10.00		
Laboratory exercise attendance			Yes	5.00		
Lecture attendance			Yes	5.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	Kočovski, B.	Teorija livarstva			Tehnički fakultet, Bor	1994
2,	Campbell, J.	Castings Practice: The Ten Rules of Castings			Elsevier	1991
3,	Vinarcik, E. J.	High integrity die casting processes			John Wiley&Sons	2003
4,	Grupa autora	Analysis of Casting Defects			American Foundry Society	2002
5,	Mervin T Rowley	International atlas of casting defects			American Foundry Society	1999
6,	Kovač, R.	Tehnologija izrade odlivaka			Fakultet tehničkih nauka, Novi Sad	2002



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Table 5.2 Course specification

Course:		Modern Joining Technologies - 1				
Course id:	P2409					
Number of ECTS:	4					
Teacher:		Baloš S. Sebastian				
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						
1. Educational goal:						
Obtaining the knowledge in modern material joining technologies.						
2. Educational outcomes (acquired knowledge):						
Knowledge obtained is applied in conventional and unconventional joining technologies.						
3. Course content/structure:						
Heat processes in welding. Welding metallurgy of steel and non-ferrous metals. Weldability of steel and non-ferrous metals. Calculation of welding parameters.Calculation of welding deformations.						
4. Teaching methods:						
Lectures are interactive, along with auditorial and laboratory exercise. Lectures comprise of the theoretical part accompanied by appropriate engineering examples that allow more effective understanding. Auditorial and laboratory exercises profound lecture knowledge, using laboratory equipment. Consultations are regularly held. Grades are based on lecture and exercise attendance and classic exam.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Homework		Yes	10.00	Theoretical part of the exam		Yes 70.00
Term paper		Yes	20.00			
Literature						
Ord.	Author	Title			Publisher	Year
1,	Palić, V.	Zavarivanje			Fakultet tehničkih nauka - Novi Sad	1987
2,	Sabo, B.	Zbirka rešenih primera iz zavarivanja - skripta			Fakultet tehničkih nauka, Novi Sad	2003
3,	Sabo, B. i dr.	Zavarivanje nerđajućih čelika - priručnik			Novosadski sajam DD - Novi Sad	1995
4,	Bogner, M.; Borisavljević, M.; Trbojević, N.; Vračar, D.	Zavarivanje - konstruisanje i proračuni			SMEITS i ZZZ Beograd	1998
5,	Blagojević, A.; Pašić, O.	Zavarivanje, lemljenje, lijepljenje			Mašinski fakultet Mostar i Mašinski fakultet Banja Luka	1991
6,	Grupa autora	Zbirka standarda - Obezbeđenje kvaliteta u zavarivanju			DUZS i SZS u Beogradu	1996
7,	Pašić, O.	Zavarivanje			IP Svjetlost Sarajevo	1998



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

Table 5.2 Course specification

Course:		Theory of Elasticity				
Course id:	M2412					
Number of ECTS:	5					
Teachers:	Glavardanov B. Valentin, Novaković N. Branislava					
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:						
The course objective is to enable students for formulating the fundamental set of equations describing the deformation of an elastic body and for solving the set equations for concrete problems.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge is related to: analysis of stress, strain, and constitutive equations for an elastic body. The assumption is that students are able to individually solve limit problems in the theory of elasticity, meaning they are able to form an adequate mathematical model and then solve it by applying analytical and computer methods.						
3. Course content/structure:						
Stress analysis. Stress tensor. Strain analysis. Strain tensor. Hook`s law. Limit problems in the theory of elasticity and methods for solving them. Plain state of strain and plain state of stress. Spatial problems in the theory of elasticity. Measuring tapes.						
4. Teaching methods:						
Classical teaching methods using computer as a supplementary device, as well as active students` participation.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points
Test		Yes	10.00	Oral part of the exam	Yes	70.00
Test		Yes	10.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title		Publisher		Year
1.	Atanacković T. M.	Teorija elastičnosti		FTN, NoviSad		1993
2.	Timošenko S. P., Gudijer DŽ	Teorija elastičnosti		Građevinska Knjiga, Beograd		1962
3.	Atanackovic T. M., Guran A.	Theory of Elasticity for Scientists and Engineers		Birkhauser, Boston		2000



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Table 5.2 Course specification

Course:		Physical and Phase States of Polymers				
Course id:	P3402					
Number of ECTS:	4					
Teachers:		Pilić M. Branka, Vilotić Ž. Dragiša				
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 goal of this course is to master the basic theoretical knowledge in the field of physical and phase state of the polymer, and the factors that affect changes in these conditions as well as to master basic practical methods for their testing.						
2. Educational outcomes (acquired knowledge):						
By completing this course, students acquire the knowledge, skills and develop abilities in the subject matter: independently solving practical and theoretical problems in the field of physical and phase states polymer materials, to know how to make a connection between the structure of polymer materials, their properties and applications, to characterize a polymeric material by using the basic test method for phase changes and physical states of polymers.						
3. Course content/structure:						
Theoretical study - Principles of polymer structure, molecular structure and sub molecular structure. Primary and secondary bounds in the polymer, the reaction of monomers to polymers. Molecular weight of the polymer. The phase state of the polymer-amorphous, crystalline, partially crystalline. Crystallization of polymers. The physical state of the polymer and the thermomechanical properties of glassy-state, visco-elastic, a state of the melt. Thermal and mechanical changes of phase and physical state of polymer, stress-strain dependence. Dynamic mechanical behavior of polymer-creep, stress relaxation. Viscosity of the polymer melt. Practical lessons: exercise, other forms of instruction, study research Determination of phase and physical transitions of polyethylene terephthalate (PET), polypropylene (PP), polyethylene (PE) using differential scanning calorimetry (DSC). Coefficient of thermal expansion using TMA. Modulus of elasticity and loss of PE, PP, polymethylmethacrylate (PMMA), the degree of crystallinity by DSC. Tensile and rupture strength (PP).						
4. Teaching methods:						
Lectures, interactive, video presentations, simulations, discussions and seminars						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Complex exercises		Yes	25.00	Written part of the exam - tasks and theory		Yes 30.00
Lecture attendance		Yes	5.00	Oral part of the exam		Yes 40.00
Literature						
Ord.	Author	Title		Publisher		Year
1,	Dragoslav Stoiljković i Branka Pilić	Struktura i svojstva polimernih materijala		Tehnološki fakultet, Novi Sad		2007
2,	Barbara Stuart	Polymer Analysis		John Wiley & Sons		2002
3,	C.A. Daniels	Polymers: Structures and properties		Technomic Publishing AG		1989
4,	Arie Ram	Fundamentals of Polymer Engineering		Plenum Press, New York		1997



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Table 5.2 Course specification

Course:		Thermal Processing of Contemporary Tools				
Course id: P3405						
Number of ECTS: 7						
Teachers:		Kakaš I. Damir, Škorić N. Branko				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		0	3		0	0
Precondition courses None						
1. Educational goal:						
The objective of the course is to enable students to actively study the scientific literature and participate in the study research work						
2. Educational outcomes (acquired knowledge):						
The student is able to actively study the scientific literature and conduct the study research work.						
3. Course content/structure:						
Nonlinear system characteristics. System stability. Nonlinear control systems. A part of the course work is conducted through independent individual study and research work in the field of Nonlinear Control Systems. The research study work requires the student's active and constant interest in and reading of the primary scientific resources, the organisation and conducting of experiments, numerical simulations and, optionally, writing a paper in the field of Nonlinear Control Systems						
4. Teaching methods:						
Lectures, seminar paper, tutorial work. Research study work.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Homework		Yes	50.00	Oral part of the exam		Yes 40.00
Laboratory exercise attendance		Yes	5.00			
Lecture attendance		Yes	5.00			
Literature						
Ord.	Author	Title			Publisher	Year
1,	Kakaš, D., Škorić, B	Materijali i termička obrada alata i delova mašina za preradu plastike			Fakultet tehničkih nauka, Novi Sad	2007
2,	Grupa autora	Metals Handbook Volume 4: Heat Treatmnet			ASM, Metals Park, Ohio	1997
3,	Totten E. George, Howes A H Maurice	Steel Heat Treatment Handbook			Marcel Dekker Inc.	1997



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Table 5.2 Course specification

Course:		Joining Technology of Modern Materials				
Course id:	P4406					
Number of ECTS:	6					
Teacher:		Baloš S. Sebastian				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
3		0	3	0		0
Precondition courses						
None						
1. Educational goal:						
Obtaining knowledge in the field of weldability and weld tests.						
2. Educational outcomes (acquired knowledge):						
Cempetence in the field of weldability and weldability tests.						
3. Course content/structure:						
Weldability of steel, copper, aluminium, titanium, magnesium alloys, polymer, low temperature welding and hardfacing. Problems, welding procedures and parameters.						
4. Teaching methods:						
Lectures are elaborated through the introduction into current and possible new directions in research in introductory lectures, followed by the selection of the theme and formulation of the task in cooperation with the supervisor, the elaboration of a simulator, laboratory models and solution prototypes in the laboratory, a series of laboratory experiments with the task of gathering necessary data, paper elaboration, and the review by the lecturer.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Presentation			Yes	10.00	Theoretical part of the exam	Yes 70.00
Term paper			Yes	20.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	Sabo, B.		Tehnologije spajanja i površinska zaštita drveta - udžbenik u pripremi		Univerzitet u Novom sadu - Fakultet tehničkih nauka	2008
2,	Skakić, D.; Krdžović, A.		Finalna prerada drveta		Šumarski fakultet Beograd	2002
3,	Jaić, M.; Živanović - Trbojević, R.		Površinska obrada drveta - teorijske osnove		Zavod za GTTMF Beograd	2000



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Table 5.2 Course specification

Course:		Design and Product Functionality				
Course id: P4410						
Number of ECTS: 6						
Teachers:		Gostimirović P. Marin, Kovač P. Pavel, Sekulić Lj. Milenko				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		0	3		0	0
Precondition courses		None				
1. Educational goal:						
Acquiring knowledge in the field of design and functionality of product.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge enables correct designing, construction, selection and functionality of product .						
3. Course content/structure:						
Concept and importance of design and functionality of products. Design as a system. Concept of form and content in industrial design. Elements of form. Singularity of form principle. Formative elements in industrial design: function, aesthetic factor, industrial aesthetic and her rules, phenomena of fashion, originality of industrial design, human factor (ergonomy), economic factor from production point of view, economic factor from consumption point of view. Design, functionality, economy, ergonomy, aesthetic and technology of products from various materials. Design in additional assembly manufactured parts. Computer graphics and design - modelling. Presentation and application of software for product design. Copyright.						
4. Teaching methods:						
Lectures are realized in the form of lectures, computer and graphical practical classes. During lectures theoretical part is presented with appropriate practical examples. During practical classes exercises are performed as well as appropriate projects and seminar papers. Apart from that regular consultations are held for the purpose of clarification of subject content and help elaboration of projects and seminar papers. Final mark is formed on the basis of class attendance, partial examination results and oral part.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	
Exercise attendance			Yes	5.00	Oral part of the exam	
Graphic paper			Yes	20.00	Mandatory	
Lecture attendance			Yes	5.00	Yes	
Test			Yes	10.00	Points	
Test			Yes	10.00	50.00	
Literature						
Ord.	Author		Title		Publisher	Year
1,	Fruht M.		Dizajn u proizvodnji		Naučna knjiga, Beograd	1987
2,	Kuzmanović S.		Konstruisanje, oblikovanje i dizajn II deo		Fakultet tehničkih nauka, Novi Sad	2001
3,	Olofsson E., Sjolen K.		Design Sketching		Keeos Design Books AB, Sweden	2005



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Table 5.2 Course specification

Course:		Numerical Analysis			
Course id:	P216				
Number of ECTS:	5				
Teachers:	Adžić Z. Nevenka, Grbić P. Tatjana, Ralević M. Nebojša, Teofanov Đ. Ljiljana				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	1	1	0	0	
Precondition courses		None			
1. Educational goal:					
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:					
Approximative number. Approximation of functions. Numerical solutions of nonlinear equations. Numerical solutions of systems of linear and nonlinear equations. Numerical differentiation and integration. Numerical solutions of ordinary differential equations. Monte-Carlo method. Mathematical modeling and simulation.					
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
Exercise attendance		Yes	5.00	Theoretical part of the exam	Yes 30.00
Laboratory exercise defence		Yes	20.00	Practical part of the exam - tasks	Yes 40.00
Lecture attendance		Yes	5.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	N. M. Ralević	Odabrana poglavlja iz matematike		SYMBOL	2010
2,	D. Kincaid , W. Cheney	Numerical Analysis		Pacific Grove, California	1991



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Table 5.2 Course specification

Course:		Technology of Plastic Forming - Shaping of plastic material			
Course id:	P3403				
Number of ECTS:	6				
Teachers:		Plančak E. Miroslav, Vilotić Ž. Dragiša			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:		Practical classes:	Other teaching types:	Study research work:	Other classes:
3		0	3	0	0
Precondition courses		None			
1. Educational goal:					
The goal of this course is the detailed knowledge of particular technological method of forming polymers (extrusion, injection molding, blow molding, calendering, rolling, termoforming, welding plastics, rubber, etc..).					
2. Educational outcomes (acquired knowledge):					
Knowledge gained from this course allows the design of the technological process of plastic forming, with a selection of workpiece material, determination of process parameters and the selection of equipment.					
3. Course content/structure:					
Introduction to plastics processing technology, concepts, definitions, mechanical properties of polymers. Theoretical basis of polymers processing. Primary processing of plastics. Continuous methods of plastics processing, calendering, plastic extrusion (making pipes, profiles, plates, sheets, etc.). Plastic injection molding, direct plastic molding, transfer molding. Casting of plastics. Hot plastic forming. Blow molding. Cold forming of plastics. Foaming processes, extrusion and pressing. Composites based on polymers and their processing. Machining. Bonding and welding. Finishing (polishing, plating, painting, stamping ...). Basic characteristics of elastomers. Rubber molding technology. Extrusion and molding rubber. Crosslinking of elastomers. Recycling of rubber and plastics.					
4. Teaching methods:					
Oral presentations with slides from a video projection. Usage of tables and handouts for practice, work in laboratory and visits to real contemporary business systems.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Complex exercises		Yes	10.00	Final exam - part one	No 40.00
Exercise attendance		Yes	5.00	Final exam - part two	No 30.00
Lecture attendance		Yes	5.00	Written part of the exam - tasks and theory	Yes 70.00
Presentation		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Vilotić D.	Uvod u tehnologije oblikovanja plastike		CeVIP, MF Kragujevac	2007
2,	Brent Strong, A.	Plastics, materials and processing		Prentice Hall, Ohio, USA	2000
3,	Čatić I., Johannaber F.	Injekcijsko prešanje polimera i ostalih materijala		Biblioteka polimerstvo, Zagreb	2004
4.	Ana Rogić i Igor Čatić	Injekcijsko prešanje polimera		Biblioteka polimerstvo	1996



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Table 5.2 Course specification

Course:		Web programming				
Course id:	SE239A					
Number of ECTS:	7					
Teachers:		Marković -. Milan, Nenadić M. Goran, Obradović J. Đorđe, Okanović Đ. Dušan, Vidaković P. Milan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
3		0	2	0		1
Precondition courses						
None						
1. Educational goal:						
Students learn to solve problems in the field of Web programming, which covers knowledge of HTTP protocols, Server and JSP technology as well As organization and architecture of web applications.						
2. Educational outcomes (acquired knowledge):						
The acquired knowledge forms the basis for the future engineering courses.						
3. Course content/structure:						
Fundamentals of HTML. Fundamentals of JAVA programming language. Input/output subsystem. Concurrent programming. Network programming. Client – server architecture. HTTP protocol fundamentals. Fundamentals of servlet technology. Session management. POST method and file upload. JSP basics. JSP expressions. JSP scriptlets. JSP declarations. JSP directives. JavaBeans. Component visibility.						
4. Teaching methods:						
Lectures. Computer practice. Consultations. Theoretical part of the course if examined orally. Practical part of the examination is taken in the computer laboratory.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Project			Yes	30.00	Oral part of the exam	Yes 50.00
Term paper			Yes	20.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	B. Milosavljević, M. Vidaković	Java i Internet programiranje			Grupa za informacione tehnologije, Novi Sad	2002
2,	B. Eckel	Misli ti na Javi			Mikro knjiga, Beograd	2002
3,	C. Horstmann, G. Cornell	Core Java 2V			Sun Microsystems Press, Santa Clara	2005
4,	Danilo Obradović	Osnovi računarstva			Stylos	2003



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Table 5.2 Course specification

Course:		Planning Methods and Experiment Processing				
Course id:	P2617					
Number of ECTS:	5					
Teachers:		Hodolič J. Janko, Kovač P. Pavel				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		1	1	0		0
Precondition courses						
None						
1. Educational goal:						
Mastering the content in the field of planning methods and experiments.						
2. Educational outcomes (acquired knowledge):						
The competence to critically analyze the existing solutions and synthesize the original solutions in the field of computer integration of production systems.						
3. Course content/structure:						
Mathematical theory of the experiment. Displaying the results of experimental research. The process of realization plans eksperimenta. Distribution of experimental plans. One factor plans (regression analysis, dispersion analysis). Determining more effective parameters depending on the jednofaktornog experiment. Multifactor plans. Multifactor plans second order. Partial (partial) factor plane. Tagučijevi plans conclusively. Determination of the model by applying artificial intelligence methods. Analysis and interpretation of experimental data.						
4. Teaching methods:						
Lectures are realized interactively through lectures, auditory, laboratory and computer practical classes. In lectures theoretical part is presented with characteristic examples for better understanding of subject content. In auditory practical classes, characteristic exercises are covered. Acquired knowledge is practically applied in laboratory practical classes using available laboratory equipment. Apart from lectures and practical classes, consultations are held regularly.						
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 30.00
Lecture attendance			Yes	5.00	Oral part of the exam	Yes 20.00
Term paper			Yes	20.00		
Test			Yes	10.00		
Test			Yes	10.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	Hodolič, J., Hadžistević, M., Tkač, M., Hajduova, Z.		Alati za statističko upravljanje kvalitetom		Fakultet tehničkih nauka, Novi Sad	2001
2,	Pantelić, I.		Primena statističkih metoda u istraživanjima procesa proizvodnje		Fakultet tehničkih nauka, Novi Sad	1984
3,	Kovač Pavel		Metode planiranja i obrade kesperimenata		Fakultet tehničkih nauka, Novi Sad	2011
4,	Kovač Pavel		Modeliranje procesa obrade faktorni planovi eksperimenta		Fakultet tehničkih nauka, Novi Sad	2006
5,	Cus F.		Modeling and optimization of metal cutting		Faculty of Mechanical Engineering	2005



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Table 5.2 Course specification

Course:		Production Systems			
Course id:	II1053				
Number of ECTS:	5				
Teachers:	Ćosić P. Ilija, Lazarević M. Milovan, Čuš -. Franci				
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 the course is to enable students for developing and designing product systems, defining their characteristics, and designing production processes that take place within them. Students master tools for designing the system structure and the working process and acquire foundations for designing energy systems. During classes, students acquire knowledge necessary for determining the spatial distribution of system elements as a manner of selecting micro and macro locations.					
2. Educational outcomes (acquired knowledge):					
Student will be prepared to develop and design a production system, to recognize and understand the importance of production and product as an essential objective of the production system, as well as to learn basic determinations related to the energy support to the system functioning. During lectures, practice and practical work, students obtain knowledge on a company as an integrated unity of production and other system functions, i.e. the flows of materials, energy and information.					
3. Course content/structure:					
Theoretical lectures: Basic elements of a production system. Development conditions of production systems. Product and production programme. Working process and system capacity. Forming material flows. Individual approach in flow formation. Group approach in flow formation. General model of material flows. Balancing flows in a system. Forming flows in service systems. Forming the production system structure. Process approach in structure formation. Object approach in structure formation. Basic foundations for structure formation. Determining the system elements. Modelling the spatial system structures. Modelling the energy flows. Determining energy demands. Designing energy structures. Location of production systems. Determining the system location in narrow and wider sense. Outsourcing functions or processes to another location or in another production system. Conditions for outsourcing, dividing responsibility and competences, managing the working processes. Organizational readiness for accepting contemporary technological solutions. Simulation of production systems. Practical classes: Discussions with practical examples of production systems from developed countries and the region countries. Analysis on system structures. Elaboration of a seminar paper in a real system. Interactive work and acquiring knowledge in laboratory conditions.					
4. Teaching methods:					
Oral presentations with slides from a video projection. Usage of tables and handouts for practice, work in a laboratory and visits to real contemporary business systems					
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 30.00
Lecture attendance		Yes	5.00		
Project		Yes	50.00		
Test		Yes	10.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Zelenović, D.	PROJEKTOVANJE PROIZVODNIH SISTEMA		Naučna knjiga	2009
2,	Zelenović, D., Ćosić, I., Maksimović, R.	PROJEKTOVANJE PROIZVODNIH SISTEMA- priručnik za vežbe		FTN Novi Sad	2003
3,	Zelenović, D., Ćosić, I., Maksimović, R., Maksimović, A	Priručnik za projektovanje proizvodnih sistema - pojedinačni prilaz		FTN Novi Sad	2003



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Table 5.2 Course specification

Course:		Final - Diploma Work			
Course id:	P314A				
Number of ECTS:	6				
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	6	
Precondition courses		None			
1. Educational goal:					
Use of basic, lessons learned and methods to solve practical problems in the selected areas. Students study the problem, and the complexity of its structure and based on conducted analysis conclusions on possible ways of solving it. Studying literature students are introduced to methods of solving similar tasks and practice in solving them. Acquiring knowledge about the structure and form of writing reports after completing analyzes and other activities carried out within the stated theme of the final work. Producing the final work, students gain experience in writing papers in which it is necessary to describe the problem, methods, and procedures performed and results obtained. In addition, the goal of writing and defending the final work is to develop the students ability to self-employment preparation results in a convenient form of public present, as well as respond to comments and questions about a given topic.					
2. Educational outcomes (acquired knowledge):					
Training students to independently apply previously acquired knowledge in different areas that have been previously studied, in order to review the structure of the given problem and its systematic analysis in order to draw conclusions on possible directions for its resolution. Through the use of literature independently, students expand their knowledge of the chosen field of study and different methods of work that are related to a similar problem. Self studying and solving tasks in a given topic area, students gain knowledge of the complexity and the complexity of the problems of their profession. Producing the final paper, students gain some experience that can be applied in practice in solving the problems of their profession. Preparation of results for the public defense, by the public defense, and answers to questions and complaints commission student acquires the necessary experience on the way to practice to present the results of independent or collective work.					
3. Course content/structure:					
Formed in accordance with the individual needs and fields covered by the given topic of the final paper. Student in consultation with the supervisor makes the final work in writing in accordance with standards of the Faculty of Technical Sciences. Students prepare and defend a written final work publicly, in agreement with the supervisor in accordance with standards. Students study literature, as well as professional and final works and student projects that deal with similar topics, makes analyzes in order to find solutions of specific task defined by the task of the final work.					
4. Teaching methods:					
Mentor of the final diploma thesis prepares work assignment and delivers it the student. The student is required to work within the framework of the development of a given topic, which is defined task. During the preparation of the final thesis, a mentor can give students more guidance, refer to specific literature and further directed him in order to produce quality work. In the theoretical part of the final thesis student consults with the supervisor, if necessary, with other teachers who are dealing with topics from the field of the final work. Within a given topic, the student, if necessary perform certain measurements, tests, counting, polls and other surveys, if so provided by final work assignment. Student makes final work and after the approval by the Commission for assessment of, bound copies to the Commission. Defense of the final work is public and after the presentation student is required to verbally answers to the questions and comments.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Writing the final paper with theoretic basis		Yes	50.00	Final exam defence	Yes 50.00



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Table 5.2 Course specification

Course:		Integrated CAPP Systems and Technological Database			
Course id:	P1403				
Number of ECTS:	4				
Teachers:		Milošević P. Mijodrag, Todić V. Velimir			
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:					
Students learn to use information technology in the field of technological preparation production.					
2. Educational outcomes (acquired knowledge):					
The knowledge acquired allows the application of software systems for general purpose as well as the development of specialized software solutions for automation manufacturing process planning of the product.					
3. Course content/structure:					
The aim, importance and content course. The fundamental tasks and types of CAPP systems. Levels of integration CAPP systems. Systems integration of CAPP systems. Geometrical-technological systems indetification of product in integration CAPP systems. Technological basis for development and applying CIM systems based on representative product and integral performance of part families. Selection of process plan content and operation content in CAPP systems. Selection of workpieces, machine tools, fixture, tools, gauges, parameters of machine and processing time in CAPP systems. NC programming in integrated CAPP systems. Modern approaches in the development of the CAPP system based on the use of feature, artificial intelligence methods, agent-based methods, STEP and many others. Development stages of technological database. Conceptual, logical and physical design technological database. Technological database for materials, products, machine tools, fixtures, tools, gauges and manufacturing normative time of product. Technological database and knowledge for standard process planning in CAPP systems.					
4. Teaching methods:					
Teaching is performed in the form of lectures and computer exercices, consultations and company visits. Within theoretial lectures, part is presented with appropriate practical examples. Within computer pratical classes performed training students in the application of information technology through practical examples, as well as the development of the projects and seminary works. Colloquia are written in the form of the test. In order to extend the practical knowledge made visits to the respective companies. Besides, regularly consultations are held in order to move closer teaching material and making appropriate seminary works.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Computer exercise attendance		Yes	5.00	Coloquium exam	Yes 20.00
Lecture attendance		Yes	5.00	Coloquium exam	Yes 20.00
Project		Yes	30.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Todić, V., Milošević, M., Lukić, D.	Integrisani CAPP sistemi i tehnološka baza podataka (udžbenik u pripremi)		Fakultet tehničkih nauka, Novi Sad	2013
2,	Kurić, I., Matuszek, J., Debnar, R.	Computer Aided Process Planning in Machinery Industry		Politehnika Lodzka, Bielsko-Biata	1999
3,	Stefanović, M.	CIM sistemi		Mašinski fakultet, Kragujevac	2006
4,	Todić, V.	Projektovanje tehnoloških procesa		Fakultet tehničkih nauka, Novi Sad	2004
5,	Scallan, P	Process planning: The Design/Manufacture Interface		MA: Butterworth-Hienemann, Boston	2003
6,	Xu, X., Wang, L., Newman, S.T.	Computer-Aided Process Planning - A Critical Review of Recent Developments and Future Trends		International Journal of CIM, Taylor and Francis, Vol.24, No.1-3. pp.1-31	2011

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Table 5.2 Course specification

Course:		Tribodiagnostics and Maintenance			
Course id:	P1404				
Number of ECTS:	6				
Teacher:		Sovilj N. Bogdan			
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:					
Mastering the content in the field of tribodiagnostics and maintenance.					
2. Educational outcomes (acquired knowledge):					
The competence to critically analyze the existing solutions and synthesize the original solutions in the field of computer integration of production systems.					
3. Course content/structure:					
Introduction: Tribology as a scientific discipline. Systemsatic approach to tribological problems, tribomaterials, tribometry, characteristics of tribological processes, fundamental elements of tribomechanical systems. Fundamentals of maintenance and technical diagnostics. Lubricants. Tribologically correct construction. Energy and material saving with the aid of tribology. Tribology and economy. Tribology in ecology. Tribological data base. Tribological aspects of automation of process systems.					
4. Teaching methods:					
Lectures are elaborated through the introduction into current and possible new directions in research in introductory lectures, followed by the selection of the theme and formulation of the task in cooperation with the supervisor, the elaboration of a simulator, laboratory models and solution prototypes in the laboratory, a series of laboratory experiments with the task of gathering necessary data, paper elaboration, and the review by the lecturer.					
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 30.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 30.00
Project task		Yes	15.00		
Project task		Yes	15.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Sovilj, B.	Podloge za predavanja „Tribodijagnostika i održavanje“		Autorsko izdanje	2012
2,	Adamović, Ž.	Tehnologija održavanja		Tehnički fakultet, Zrenjanin	1998
3,	Adamović, Ž.	Tehnička dijagnostika		Zavod za udžbenike i nastavna sredstva, Beograd	1998
4,	Babić, M.	Monitoring ulja za podmazivanje		Mašinski fakultet, Kragujevac	2004



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Table 5.2 Course specification

Course:		Process Databases						
Course id:	P1408							
Number of ECTS:	6							
Teacher:		Gostimirović P. Marin						
Course status:		Elective						
Number of active teaching classes (weekly)								
Lectures:		Practical classes:		Other teaching types:		Study research work:	Other classes:	
3		0		3		0	0	
Precondition courses							None	
1. Educational goal:								
Mastering the basic knowledge in field of information technologies, systems and data bases and their concrete application in production systems and machining systems.								
2. Educational outcomes (acquired knowledge):								
Gained knowledge should enable practical application of contemporary programming systems for design and implementation of production software and accompanied data bases.								
3. Course content/structure:								
Information technologies and systems in production engineering: introduction, significance, basic means, information resources, design and implementation in production systems and machining processes. Theory of data bases: basic concepts, data organization, data structure, design and life cycle of data base, systems for data bases management, types and architecture of data bases. Data base of machining parameters: production technologies and processes of material machining, strategy and concept of designing cutting parameters data bases. Information systems for data acquisition: monitoring and management machining process, type and preparation of signal, type and choice of acquisition system, concept of systems for data acquisition in production processes. Knowledge base and knowledge implementation: intelligent production system, neural networks, expert systems, fuzzy logic, genetic algorithms.								
4. Teaching methods:								
Teaching methods are: lectures, practical computer skills, project elaboration and consultation. Lectures are intended for presentation of course contents and stimulation of active participation using necessary didactical tools in such a way that the students are obliged to explain the contents being assigned to them. Practical work is performed by computer application. The student is obliged to elaborate the project alone.								
Knowledge evaluation (maximum 100 points)								
Pre-examination obligations			Mandatory	Points	Final exam		Mandatory	Points
Computer excersise defence			Yes	5.00	Written part of the exam - tasks and theory		Yes	30.00
Computer exercise attendance			Yes	2.50	Oral part of the exam		Yes	30.00
Lecture attendance			Yes	2.50				
Term paper			Yes	30.00				
Literature								
Ord.	Author		Title			Publisher		Year
1,	Gostimirović M.		Baza podataka obradnih procesa, materijal za udžbenik			Autorsko izdanje		2012
2,	Lazarević, B.		Baze podataka			Fakultet organizacionih nauka, Beograd		2003
3,	Mogin, P., Luković, I., Govedarica M.		Principi projektovanja baza podataka			Fakultet tehničkih nauka, Novi Sad		2004
4,	Stuart S, Norvig P.		Artifical Intelligence			Prentice Hall		2008
5,	Date C.J.		Database system			Addison Wesley		2003


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Table 5.2 Course specification

Course:		Reverse Engineering and CAQ				
Course id: P1508						
Number of ECTS: 6						
Teachers:		Budak M. Igor, Hadžistević J. Miodrag, Hodolić J. Janko, Vukelić B. Đorđe				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
3		0	3	0		0
Precondition courses None						
1. Educational goal:						
Mastering the basic knowledge of the application of reverse engineering modeling and implementation of CAQ system.						
2. Educational outcomes (acquired knowledge):						
Ability to apply Reverse Engineering for modeling and CAQ system.						
3. Course content/structure:						
Interpretation of the concept of reverse engineering. The role and importance of reverse engineering (RE) in an integrated design and manufacturing. The ability to integrate RE with other advanced techniques and technologies for product design RP and RT. Reverse Engineering Methodology. 3D digitizing - Definition and methods. Pre-processing of the results of 3D digitizing (filtering data-points, data-points smoothing, reducing data-points, segmentation of data-points). Surface reconstruction - generating CAD model. General aspects of quality management - CAQ systems. Control and management of computer aided processes. Computer aided quality. System components and CIM. CMM integration into different manufacturing systems. Inspection of geometrical product specifications. 3D-digitization in the product inspection. CAD-inspection and CAD-to-part inspection.						
4. Teaching methods:						
Lectures are realized interactively through lectures, laboratory and computer practical classes. In lectures theoretical part is presented with characteristic examples for better understanding of subject content. In auditory practical classes, characteristic exercises are covered. Acquired knowledge is practically applied in laboratory practical classes using available laboratory equipment. Apart from lectures and practical classes, consultations are held regularly.						
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 30.00
Lecture attendance			Yes	5.00	Oral part of the exam	Yes 20.00
Term paper			Yes	20.00		
Test			Yes	10.00		
Test			Yes	10.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	Budak, I.; Hodolić, J.	Reverzibilno inženjerstvo i CAD-inspekcija - skripta			Fakultet tehničkih nauka, Novi Sad	2011
2,	Majstorović, V, Hodolić, J.	Numerički upravljane merne mašine			Fakultet tehničkih nauka, Novi Sad	1997
3,	Budak, I.	Reverzibilno inženjerstvo (Poglavlje 2.3 u Plančak, M.: Brza izrada prototipova, modela i alata			Fakultet tehničkih nauka, Novi Sad	2009
4,	Stević, M.	Povećanje tačnosti merenja numerički upravljanih mernih mašina, edicija tehničke nauke - monografija			Fakultet tehničkih nauka, Novi Sad	2006
5,	Hodolić, J.; Stević, M.; Bešić, I.; Antić, A. i dr.	Merna nesigurnost u industrijskoj metrologiji			Fakultet tehničkih nauka, Novi Sad	2009
6,	Budak, I.; Hodolić, J.; Bešić, I.; Vukelić, Đ. i dr.	Koordinatne merne mašine i CAD inspekcija			Fakultet tehničkih nauka, Novi Sad	2009
7,	Wego Wang	Reverse Engineering: Technology of Reinvention			CRC Press, Taylor and Francis Group	2010



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Table 5.2 Course specification

Course:		Inovational Technologies				
Course id:	P1507					
Number of ECTS:	6					
Teachers:		Gostimirović P. Marin, Kovač P. Pavel, Sekulić Lj. Milenko				
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:						
Mastering the content in the field of innovation technologies.						
2. Educational outcomes (acquired knowledge):						
The competence to critically analyze the existing solutions and synthesize the original solutions in the field of computer integration of production systems.						
3. Course content/structure:						
Driven factors in modern machining technology. Advancing cutting tool materials. Basic applications of advancing machining technologies (machining die and mold, machining micro products, machining of monolithic parts). Machining of hard materials. Machining difficult-to-machine materials. Manufacturing processes for sustainability (dry and semi-dry machining, cryogenic machining, high pressure jet assisted machining). Hybrid machining (ultrasonically assisted cutting, laser assisted machining, plasma assisted machining). Multitasking and one-pass machining. Advancing modelling of modern machining processes. Methods for rapid prototyping and tooling.						
4. Teaching methods:						
Lectures are realized interactively in form of classes, laboratory and computer exercise. On classes theoretical part is elaborated followed by the characteristic examples in order to easily understand material. On laboratory exercises practical application of gained knowledge is realized on available laboratory equipment. On computer exercises use of information and communication technologies in managing knowledge in current field. Apart from lectures and exercises regular consultations are organized.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Exercise attendance		Yes	5.00	Oral part of the exam		Yes 50.00
Lecture attendance		Yes	5.00			
Term paper		Yes	20.00			
Test		Yes	10.00			
Test		Yes	10.00			
Literature						
Ord.	Author	Title			Publisher	Year
1,	Sekulić M.	INOVACIONE TEHNOLOGIJE			SKRIPTA	2009
2,	Grzesik W.	Advanced Machining Processes of Metallic Materials-Theory, Modelling and Applications			Elsevier Science Ltd	2008
3.	Davim Paulo J.	Machining of hard materials			Springer	2011



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Table 5.2 Course specification

Course:		Composite Materials				
Course id:	P2406					
Number of ECTS:	4					
Teacher:		Baloš S. Sebastian				
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:						
Mastering the content in the field of composite materials.						
2. Educational outcomes (acquired knowledge):						
The competence to critically analyze the existing solutions and synthesize the original solutions in the field of computer integration of production systems.						
3. Course content/structure:						
Composite material classification. Particulite reinforced composites: conventional, dispersion strengthened, nanoparticulite composites. Fiber reinforced composites with short and long fibers, nanofibers. Laminate composites and hybrid composites. Fabrication, properties and applications.						
4. Teaching methods:						
Lectures are interactive, along with auditorial and laboratory exercise. Lectures comprise of the theoretical part accompanied by appropriate engineering examples that allow more effective understanding. Auditorial and laboratory exercises profound lecture knowledge, using laboratory equipment. Consultations are regularly held.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Presentation			Yes	10.00	Theoretical part of the exam	Yes 70.00
Term paper			Yes	20.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	D. Hull		An Introduction to Composite Materials		CAMBRIDGE UNIVERSITY PRESS	1992
2,	R.M.Jones		Mechanics of composite materials		Taylor & Francis	1999
3,	RE Smallman, AHW Ngan		Physical metallurgy and advanced materials		Elsevier	2007



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Table 5.2 Course specification

Course:		Virtual Production in Technologies of Plastic Deforming				
Course id:	P2411					
Number of ECTS:	6					
Teacher:		Lužanin B. Ognjan				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		0	3		0	0
Precondition courses						
None						
1. Educational goal:						
Mastering the content in the field of virtual production in technologies of plastic deforming.						
2. Educational outcomes (acquired knowledge):						
The competence to critically analyze the existing solutions and synthesize the original solutions in the field of computer integration of production systems.						
3. Course content/structure:						
Overview of modern programme tools for developing communication systems. Plastic deforming and virtual productions. Overview of modern communication protocols and systems. Overview of modern surroundings for testing and verifying communication systems. Identifying possible directions for further research. Defining the theme and the task. Realization. Experiments. Paper elaboration. Review and paper defence. Publishing the paper.						
4. Teaching methods:						
Lectures and mentor work.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations		Mandatory	Points	Final exam		Mandatory Points
Computer exercise attendance		Yes	5.00	Final exam - part one		No 20.00
Homework		Yes	20.00	Final exam - part two		No 50.00
Lecture attendance		Yes	5.00	Written part of the exam - tasks and theory		Yes 70.00
Literature						
Ord.	Author	Title			Publisher	Year
1,	Plančak, M., Lužanin, O.	Uvod u virtuelnu proizvodnju – skripta			Fakultet tehničkih nauka, Novi Sad	2005
2,	Burdea, G.C., Coiffet, P.	Virtual Reality Technology			John Wiley & Sons	2003



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Table 5.2 Course specification

Course:		Contemporary Materials				
Course id:	P2412					
Number of ECTS:	6					
Teacher:		Gerić D. Katarina				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:		Study research work:	Other classes:
3		0	3		0	0
Precondition courses						



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Table 5.2 Course specification

Course:		Modern Joining Technologies - 2				
Course id:	P2409A					
Number of ECTS:	6					
Teacher:		Baloš S. Sebastian				
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:						
Mastering the content in the field of computer integration of production systems.						
2. Educational outcomes (acquired knowledge):						
The competence to critically analyze the existing solutions and synthesize the original solutions in the field of computer integration of production systems.						
3. Course content/structure:						
Overview of contemporary technologies of joining materials.						
4. Teaching methods:						
Lectures are elaborated through the introduction into current and possible new directions in research in introductory lectures, followed by the selection of the theme and formulation of the task in cooperation with the supervisor, the elaboration of a simulator, laboratory models and solution prototypes in the laboratory, a series of laboratory experiments with the task of gathering necessary data, paper elaboration, and the review by the lecturer.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Presentation			Yes	10.00	Theoretical part of the exam	Yes 70.00
Term paper			Yes	20.00		
Literature						
Ord.	Author	Title			Publisher	Year
1,	Palić, V.	Zavarivanje			Fakultet tehničkih nauka - Novi Sad	1987
2,	Sabo, B.	Zbirka rešenih primera iz zavarivanja - skripta			Fakultet tehničkih nauka, Novi Sad	2003
3,	Sabo, B. i dr.	Zavarivanje nerđajućih čelika - priručnik			Novosadski sajam DD - Novi Sad	1995
4,	Bogner, M.; Borisavljević, M.; Trbojević, N.; Vračar, D.	Zavarivanje - konstruisanje i proračuni			SMEITS i ZZZ Beograd	1998
5,	Blagojević, A.; Pašić, O.	Zavarivanje, lemljenje, lijepljenje			Mašinski fakultet Mostar i Mašinski fakultet Banja Luka	1991
6,	Grupa autora	Zbirka standarda - Obezbeđenje kvaliteta u zavarivanju			DUZS i SZS u Beogradu	1996
7,	Pašić, O.	Zavarivanje			IP Svjetlost Sarajevo	1998

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Table 5.2 Course specification

Course:		Machines and Devices for Plastic Processing			
Course id:	P3503				
Number of ECTS:	6				
Teachers:	Plančak E. Miroslav, Vilotić Ž. Dragiša				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	0	3	0	0	
Precondition courses					
None					
1. Educational goal:					
Mastering the content in the field of machines and devices for plastic processing.					
2. Educational outcomes (acquired knowledge):					
Knowledge gained in this field enables proper selection of machines for plastic processing, determination of optimal machine parameters and design and calculation of machine components.					
3. Course content/structure:					
Introduction to plastic shaping machines. Different variants of machines for plastics. The structure of machines for plastic shaping. Types of machines and equipment for plastics. Machines for continuous manufacturing processes (calendering, extrusion, etc..). Machines for plastic shaping with cyclical effect. Machines for plastic injection molding. Hot forming machine for plastic. Equipment for joining and welding of plastic materials. Additional equipment for plastic processing.					
4. Teaching methods:					
Teaching is performed interactively in lectures and exercises. In the lectures certain types of plastic shaping machines are taught, in terms of their use and the appropriate choice of technology in the design process. Detail structure of certain types of machinery and equipment for plastics processing is also described. In exercises, the design of plastic manufacturing processes and the selection of appropriate equipment for plastic shaping is presented. Practical and detailed introduction to certain types of machines for plastic molding is done through visits to specialized companies. Consultations are held as well.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Graphic paper		Yes	30.00	Written part of the exam - tasks and theory	Yes 40.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 25.00
Literature					
Ord.	Author	Title		Publisher	Year
1.	Čatić, I.	Uvod u proizvodnju polimernih tvorevina		Biblioteka polimerstvo, Zagreb	1993
2.	Brent Strong, A.	Plastics, materials and processing		Prentice Hall, Ohio, USA	2000
3.	Friedrich Johanaber	Kunststoff Maschinen Fuhrer		Carl Hanser	1999



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Table 5.2 Course specification

Course:		Entrepreneurship in Small and Medium Enterprises			
Course id:	P4408				
Number of ECTS:	4				
Teachers:	Milošević P. Mijodrag, Todić V. Velimir				
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 learn to use the entrepreneurs tools in SMEs.					
2. Educational outcomes (acquired knowledge):					
Acquired knowledge enables students to apply entrepreneurship and management principles in development and operation of production systems.					
3. Course content/structure:					
The aim of the study subjects. Entrepreneurship theory. Specific of small and medium enterprises. Entrepreneurship in practice. Modern entrepreneur profile. Entrepreneurship process. Defining and selection of business ideas. Market, market research and competition analysis. Evaluation and selection methods for products and processes. The process of developing and structure of business plan. The financial plan. The organizational aspects of entrepreneurship. Marketing in entrepreneurship business. Marketing plan. Vision and mission. SWOT analysis. Innovative in entrepreneurship. Management in production.					
4. Teaching methods:					
Teaching is performed in the form of lectures, auditory and laboratory and computer exercises, consultations and company visits. During lectures theoretical part is presented with appropriate practical examples. Within auditory exercises work assignments, as well as appropriate seminary works. In order to expand practical knowledge, various companies are visited. Within computer practical classes performed training students in the application of information technology in the teaching observed field. Besides, regularly consultations are held in order to move closer teaching material and making appropriate seminary works. Colloquia are written and related to theoretical part of material. Written exam within which works appropriate tasks. Grade is based on attending lectures and exercises, seminary reviews, colloquia and written exam grade.					
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 30.00
Lecture attendance		Yes	5.00	Coloquium exam	Yes 20.00
Term paper		Yes	20.00	Coloquium exam	Yes 20.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Todić, V., Penezić, N., Lukić, D., Milošević, M.	Tehnološka logistika i preduzetništvo		Fakultet tehničkih nauka, Novi Sad	2011
2,	Paunović, S.	Preduzetništvo-od biznis ideje do realizacije		Fakultet za menadžment, Beograd	1998
3,	Leković, B.	Principi menadžmenta		Ekonomski fakultet, Subotica	2003
4,	Krstić, J.	Biznis plan		Prometej, Novi Sad	2003
5,	Bojović, V., Šenk, V, i dr.	Vodič za inovativne preduzetnike		Kontekta konsalting, Novi Sad	2007



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

Table 5.2 Course specification

Course:		Technology for Microcutting Processes				
Course id:	P316A					
Number of ECTS:	4					
Teachers:		Gostimirović P. Marin, Kovač P. Pavel, Sekulić Lj. Milenko				
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:						
Acquiring of basic knowledge in domain of micro-machining technology by material removal which is used in designing of precise products and selection of optimal methods of machining.						
2. Educational outcomes (acquired knowledge):						
Acquired knowledge should enable designers of machines and other devices to accurately design micro products and technologists to design phases of production and selection of optimal cutting parameters.						
3. Course content/structure:						
Basics, importance and possibilities of micro-cutting theories in contemporary production. Definition of micro-engineering. Development of micro-products. Specificity of micro-production (chip forming process, forces and temperature of cutting, tool wear, productivity, quality and precision of micro-machining). Technologies of micro-cutting with turning, drilling, milling and grinding. Non-conventional technologies of micro-machining by mechanical, magnetic and ultrasound machining, electrical discharge and electrochemical machining, high-energy beam machining and chemical lithography machining. Specificity and manufacturing of micro tools. Integrated and innovated technologies of micro and nano processing by material removal.						
4. Teaching methods:						
Lectures are realized interactively through lectures and laboratory practical classes. In lectures theoretical part is presented with characteristic examples for better understanding of subject content. Acquired knowledge is practically applied in laboratory practical classes using available laboratory equipment. Apart from lectures and practical classes, consultations are held regularly. Final grade is formed on basis of lectures and practically classes presence, tests and oral exam.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	
Exercise attendance			Yes	2.50	Written part of the exam - tasks and theory	
Lecture attendance			Yes	2.50	Oral part of the exam	
Term paper			Yes	35.00		
Literature						
Ord.	Author		Title		Publisher	Year
1,	Milikić D. Gostimirovoć M, Sekulić M.		Osnove tehnologije obrade rezanjem		Fakultet tehničkih nauka, Novi Sad	2008
2,	Gostimirović M.		Nekonvencionalni postupci obrade		Fakultet tehničkih nauka, Novi Sad	2012
3,	Jackson J.M.		Micro and nanomanufacturing		Springer	2007



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Table 5.2 Course specification

Course:		Technological Preparation of Production in Precision Engineering			
Course id:	P320				
Number of ECTS:	6				
Teachers:	Milošević P. Mijodrag, Todić V. Velimir				
Course status:	Elective				
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
3	0	3	0	0	
Precondition courses					
1. Educational goal: Students learn to use modern methods and technique in the technological preparation of production work in precision engineering.					
2. Educational outcomes (acquired knowledge): The knowledge acquired provide conceptual, macro and micro manufacturing process planning by applying DFMA methodologies and development integrated CAPP systems.					
3. Course content/structure: The aim, importance and content of the study object. Models of manufacturing systems. Technological preparation as a functional of manufacturing systems. Fundamental phases technological preparation of production. Design for manufacturing and assembly-DFMA. Methods and softwares for use DFMA methodology. Analysis manufacturability of product. Selection of workpieces and manufacturing technologies. Estimate the cost manufacturing. Fundamental tasks and types of CAPP systems. Conceptual, macro and micro CAPP. Development technological database and knowledge. Integration of CAD/CAPP/CAM systems and other CAX systems in manufacturing system. Modern approach in developing integrated CAPP system. Feature-based technology. Application of artificial intelligent methods. The importance of using the STEP and STEP-NC standards in the integration of design and manufacturing. Modeling and simulation manufacturing process planning and forming spatial structure manufacturing systems. Modern concepts of integration technological preparation in CIM. Digital, collaboration and e-manufacturing in precision engineering.					
4. Teaching methods: Teaching is performed in the form of lectures, laboratory and computer exercises, consultations and company visits. During lectures theoretical part is presented with appropriate practical examples. Within laboratory exercises with practically apply the knowledge from issues of the subject, and development of the projects and seminary works. Within computer pratical classes performed training students in the application of inforamtion technology through practical examples. Colloquia are written in the form of the test. In order to extend the practical knowledge made visits to the respective companies. Besides, regularly consultations are held in order to move closer teaching material and making appropriate projects and seminary works.					
Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory Points
Exercise attendance		Yes	5.00	Coloquium exam	Yes 20.00
Lecture attendance		Yes	5.00	Coloquium exam	Yes 20.00
Project		Yes	30.00		
Term paper		Yes	20.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Todić, V.	Projektovanje tehnoloških procesa		FTN, Novi Sad	2004
2,	Lukić, D.	Razvoj opšteg modela tehnološke pripreme proizvodnje, doktorska disertacija		Fakultet tehničkih nauka, Novi Sad	2012
3,	Boothroyd G.,et. al.	Product Design for Manufacture and Assembly		Marcel Dekker, New York	2002
4,	Swift, K.G., Booker, J.D.	Process Selection: From Design to Manufacture		Butterworth-Heinemann, Oxford	2003
5,	Dornfeld, D.A., Lee, D.E.	Precision manufacturing		Springer	2008
6,	Scallan, P.	Process planning: The Design/Manufacture Interface		Butterworth-Hienemann,Boston	2003
7,	Xu, X.	Integrating Advanced Computer-Aided Design, Manufacturing, and Numerical Control		Information Science Reference, New York	2009



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	Production Engineering	

Table 5.2 Course specification

Course:		Evolution Methods			
Course id:	P4409				
Number of ECTS:	6				
Teacher:		Sovilj N. Bogdan			
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:					
Mastering the content in the field of evolution methods.					
2. Educational outcomes (acquired knowledge):					
The competence to critically analyze the existing solutions and synthesize the original solutions in the field of computer integration of production systems.					
3. Course content/structure:					
Overview of evolution methods and modern communication protocols and systems. Overview of modern surroundings for testing and verifying communication systems. Identifying possible directions for further research. Defining the theme and the task. Realization. Experiments. Paper elaboration. Review and paper defence. Publishing the paper.					
4. Teaching methods:					
Lectures are elaborated through the introduction into current and possible new directions in research in introductory lectures, followed by the selection of the theme and formulation of the task in cooperation with the supervisor, the elaboration of a simulator, laboratory models and solution prototypes in the laboratory, a series of laboratory experiments with the task of gathering necessary data, paper elaboration, and the review by the lecturer.					
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 30.00
Lecture attendance		Yes	5.00	Oral part of the exam	Yes 30.00
Project task		Yes	15.00		
Project task		Yes	15.00		
Literature					
Ord.	Author	Title		Publisher	Year
1,	Sovilj, B.	Podloge za predavanja - Evolutivne računarske metode u inteligentnim proizvodnim sistemima		Autorsko izdanje	2012
2,	Brezočnik, M.	Uporaba genetskoga programiranja u intelegentnih proizvodnih sistemih		Fakulteta za strojništvo, Maribor	2000



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

Table 5.2 Course specification

Course:		Software Development Metrodologies				
Course id:	SE0017					
Number of ECTS:	6					
Teachers:		Milosavljević R. Gordana, Marković -. Milan, Marković D. Vidan, Perišić R. Branko, Sladić S. Goran				
Course status:		Elective				
Number of active teaching classes (weekly)						
Lectures:		Practical classes:	Other teaching types:	Study research work:		Other classes:
2		0	2	0		1
Precondition courses						
None						
1. Educational goal:						
Introducing students to the software products lifecycle and to methodologies, standards and tools that support software product throught the whole of its lifecycle or in any of its phases						
2. Educational outcomes (acquired knowledge):						
Upon successful completion of the course the student is familiar with various methodologies for software development, as well as standards and tools that support them. The student is also able to select and actively implement optimal methodology and tools for particular software project, as well as to explain this choice.						
3. Course content/structure:						
Software product lifecycle, lifecycle stages, the importance of application of methodologies for software development, the history of development methodologies, software development models, models based on the waterfall, iterative and incremental models; Bem's spiral model, models based on prototypes; agile methodologies (Scrum, Extreme programming, Feature Driven Development - FDD, Dynamic Systems Development Method - DSDM, Crystal, Adaptive software Development - ASD) , automated software development, modern tools for planning, design, construction and documentation, tools supporting teamwork and tracking project progress.						
4. Teaching methods:						
Lectures, computer exercises and consultations. The practical part of the project is a team effort, and the project illustrates the use of the methodology and tools. The exam is oral. Assessment exam is based on the success of the project and an oral exam.						
Knowledge evaluation (maximum 100 points)						
Pre-examination obligations			Mandatory	Points	Final exam	Mandatory Points
Project defence			Yes	50.00	Oral part of the exam	Yes 50.00
Literature						
Ord.	Author		Title		Publisher	Year
1,	B. Boehm, R. Turner		Balancing Agility And Discipline		Pearson Education, Inc.	2009
2,	Kassem A. Saleh		Software Engineering		J. Ross Publishing	2009



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Production Engineering

Standard 06. Programme Quality, Contemporaneity and International Compliance

The study program is consistent with the modern world scientific developments and the state of the profession, and is comparable with similar programs at foreign universities. Production engineering is a complete and comprehensive study program and provides students with the latest scientific and technical knowledge in this field.

Production engineering study program is comparable and compatible with the following study programs:

1. Mechanical and Manufacturing Engineering - The School of Mechanical and Manufacturing Engineering at Dublin City University, Ireland.
http://www.dcu.ie/mechanical_engineering/index.shtml
2. Innovative Manufacturing Engineering - School of Mechanical and Manufacturing Engineering, Loughborough University, United Kingdom.
<http://www.lboro.ac.uk/study/undergraduate/courses/departments/mechanical-manufacturing/manufacturingengineering/>
3. Mechanical Design and Manufacturing Engineering, Newcastle University, United Kingdom.
<http://www.ncl.ac.uk/undergraduate/degrees/hh37/modules/>
4. Mechanical Engineering B.Sc. - Modul Production Technology; Faculty of Mechanical Engineering, RWTH Aachen University, Germany
http://www.rwth-aachen.de/cms/root/Studium/Vor_dem_Studium/Studiengaenge/Liste_Aktuelle_Studiengaenge/Studiengangbeschreibung/~bnev/Maschinenbau_B_Sc_/lidx/1/
5. Undergraduate study program Mechanical engineering - Modul: Production engineering, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb.
http://www.fsb.unizg.hr/?studijski_programi



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Production Engineering

Standard 07. Student Enrollment

Faculty of Technical Sciences in accordance with social needs and available resources, enrolls on undergraduate studies of production engineering in budget and self-financing every year a certain number of students defined by a special decision of the Educational Scientific Board of the Faculty. Selection of students and enrollment of candidates is done on the basis of success in previous studies and achieved success on the entrance exam, which is defined in the Regulations on student enrollment.

Students from other programs of study as well as those with completed studies may enroll in this degree program. In doing so, the evaluation committee (consisting of the heads of all sub-departments involved in the implementation of the program of study) evaluated all the horizontal activities of candidates for admission on the basis of the number of points determined by a recognized academic year in which a student can enroll. The activities can be recognized in full, may be recognized in part (Commission may require appropriate amendment) or cannot be recognized.



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Production Engineering

Standard 08. Student Evaluation and Progress

The final score on each of the courses of this program is formed by continuous monitoring of the results achieved by students during the academic year and the final exam.

Student overcomes degree program examinations, thus acquiring a certain number of ECTS credits, in accordance with the program of study. Every course carries a certain number of ECTS credits that a student gets when successfully pass the exam.

ECTS credits is determined based on student workload while working on certain courses and applying a uniform Faculty methodology, for all study programs. Student success in mastering a particular course is continuously monitored during classes and is expressed in points. The largest number of points that a student can achieve in the course is 100

Student gets points on the course through the work of teaching and exam prerequisites by completing and passing the exam. The minimum number of points that a student can earn by completing exam prerequisites during classes is 30 while 70 is the largest

Each subject in the study program has a clear and published a way to score points. Way of gaining points during the teaching involves a number of points that the student receives on the basis of each type of activity during classes or completing prerequisites given and taking exams.

Overall success of students on the course is expressed from grade 5 (failed) to 10 (excellent). The rating is based on the student's total number of points earned by a student completing exam prerequisites and passing the exam, according to the quality of the acquired knowledge and skills.

To could take the exam from the particular course, during the semester student must collect at least 15 points from the pre-exam commitments. The additional requirements for the examination are determined separately for each course.

The study progress of students is determined by the Study regulations for undergraduate studies.



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Production Engineering

Standard 09. Teaching Staff


For the realization of the undergraduate study program production engineering, teachers with the necessary professional and academic qualifications are provided. Number of teachers meets the needs of the study program and depends on the number of courses and the number of teaching hours on these courses. The total number of teachers is sufficient to cover the total number of classes in the study program, so that the teacher achieves an average 180 hours (lectures, consultations, exercises, practical work, ...) per year, or 6 hours per week. Of the total number of teachers needed, 100% is of the full time positions with full-time jobs.

Number of staff meets the needs of the study program. The total number of staff on study program is sufficient to cover the total number of classes in this program, so that co-workers achieved an average of 300 hours of lectures per year and 10 hours per week.

Scientific and professional qualifications of the teaching staff respond to the educational level of the scientific field and their responsibilities. Every teacher has at least five references from specific scientific or technical fields in which he teaches in the study program.



Group size is for lectures is up to 180 students, the exercise group is up to 60 students and group for laboratory work is up to 20 students.



Not one teacher is not loaded more than 12 hours per week. All data on teachers and associates (CV, elections in the title, references) are available to the 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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		Study Programme Accreditation		
		UNDERGRADUATE ACADEMIC STUDIES	Production Engineering	
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
12.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies	
13.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies	
14.	OM517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies	
15.	OML517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies	
16.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies	
17.	D0M24	Numerical Solutions of Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies	
18.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (G10) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies	
19.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	N. Adzic, On the spectral solution for boundary value problem, ZAMM 70,(1990) 6, T647-T649.			
2.	V. Vrcelj, N. Adzic, Z. Uzelac: A numerical asymptotic solution for singular perturbation problems, International journal of computer mathematics, Vol.39, (1991) 229-238.			
3.	N. Adzic: Modified hermite polynomials in the spectral approximation for boundary layer problems, Bulletin of the Australian mathematical society, Vol.45, (1992) 267-276.<leng>			
4.	N. Adzic: Spectral approximation for single turing point problem, ZAMM72(1992)6, T621-T624.			
5.	N. Adzic: Nonclassical orthogonal polynomials and singularly perturbed problems, ZAMM73(1993) 7/8, T868-T871.			
6.	N. Adzic: Spectral approximation and asymptotic behaviour of boundary layer problems, ZAMM74(1994)6, T-553-T555.			
7.	N. Adzic, Z. Uzelac: A combination of spline and spectral approximation for a class of singularly perturbed problems, ZAMM78 (1998), S853-S854			
8.	Z. Uzelac, N. Adzic: The Approximate Solution for Problems with Nonlocal Boundary Conditions, ZAMM79 (1999), S881-S882			
9.	N. Adzic, Z. Uzelac: On spectral approximation for some two-dimensional singularly perturbed problems, ZAMM79 (1999), S851-S852			
10.	N. Adzic: On the spectral approximation for singularly perturbed problems,ZAMM 71(1991)6,T773-T776.			

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production Engineering			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		5		
Total of SCI(SSCI) list papers :		10		
Current projects :		Domestic :	2	International : 0

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



Name and last name:	Antić T. Aco		
Academic title:	Assistant Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 01.07.1994		
Scientific or art field:	Machine Tools, Flexible Technological Systems and Automatization		
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering

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

	ID	Course name	Study programme name, study type
1.	P1402	CAD/CAE/CAM i CIM Systems	(P00) Production Engineering, Undergraduate Academic Studies
2.	P301	Automation in Production Engineering	(P00) Production Engineering, Undergraduate Academic Studies
3.	P304	Processing and Technological Systems	(P00) Production Engineering, Undergraduate Academic Studies
4.	P307	Automated Flexible Technological Systems	(P00) Production Engineering, Undergraduate Academic Studies
5.	P1405	Contemporary Approach to Product Designing	(PM0) Production Engineering, Master Academic Studies
6.	P307A	Flexible technological systems	(E20) Computing and Control Engineering, Master Academic Studies
7.	PAUP1	Automatization in plastic	(PM0) Production Engineering, Master Academic Studies
8.	PP110	The dynamics of micro machining systems	(PM0) Production Engineering, Master Academic Studies
9.	ZRM1A	Occupational noise and human vibration in industry	(Z01) Safety at Work, Master Academic Studies
10.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
11.	DP010	Behaviour Modelling and Experimental Testing of Working Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
12.	DP019	Selected topics in technical diagnosis	(M00) Mechanical Engineering, Doctoral Academic Studies
13.	ZRD18A	Behaviour Modelling and Experimental Testing of Working Systems	(Z01) Safety at Work, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)



1.	Antić, A.; Hodolić, J.; Soković, M.: Development of a Neural-Networks Tool-Wear Monitoring System for a Turning Process, <i>Strojniski vestnik – Journal of Mechanical Engineering</i> , 2006, Vol. 52, No. 11, str. 763- 776, ISSN 0039-2480.
2.	Antić, A., Hodolić, J., Soković, M.: Development of an Intelligent System for Tool Wear Monitoring Applying Neural Networks, <i>Journal of Achievements in Materials and Manufacturing Engineering</i> , Vol. 14, ISSUE 1-2, pp 146-151, Poland, 2006, ISSN 1734-8412.
3.	Kovačević, D., Soković, M., Budak, I., Antić, A., Kosec, B.: Optimal finite elements method (FEM) model for the jib structure of a waterway dredger, <i>Metalurgija</i> 51, 1, 2012, pp 113 -116, ISSN: 0543-5846
4.	Antić, A., Petrović, B.P., Zelković, M., Kosec, B., Hodolić, J.: The influence of tool wear on the chip-forming mechanism and tool vibrations, <i>Materijali in tehnologije</i> 46, 3, 2012, pp 279-285, ISSN: 1580-2949
5.	Kovačević, D., Budak, I., Antić, A., Kosec, B.: Special finite elements: Theoretical background and application, <i>Tehnički vjesnik-Technical Gazette</i> 18, 4, 2011, pp 649-655, ISSN: 1330-3651
6.	Antić, A., Kovačević, D., Zeljković, M., Kosec, B., Novak-Marcinčin, J.: Wear level influence on chip segmentation and vibrations of the cutting tool, <i>Materials and Geoenvironment</i> , 58, 1, 2011, pp 15-28, ISSN: 1408-7073
7.	Antić, A., Zeljković, M., Novak-Marcinčin, J.: Influence of Tool Wear and Chip Forming Mechanism on Tool Vibration, <i>Journal of Manufacturing Engineering</i> , 10, 3, 2011, pp14-17, ISSN: 1335-7972
8.	Kosec G., Nagode A., Budak I., Antić A., Kosec B.: Failure of the pinion from the drive of a cement mill, <i>Engineering Failure Analysis</i> , 2011, Vol. 18, pp. 450-454, ISSN 1350-6307
9.	Kovačević D., Budak I., Antić A., Nagode A., Kosec B.: FEM Modeling and Analysis in Prevention of the Waterway Dredger's Crane Serviceability Failure, <i>Engineering Failure Analysis</i> , 2012, http://dx.doi.org/10.1016/j.engfailanal.2012.10.009 , ISSN 1350-6307
10.	Antić A., Novak-Marcinčin J., Ungureanu N., Milošević M., Kovačević D.: Influence Tool Wear and Chip Forming Mechanism on Tool Vibrations, <i>Manufacturing and Industrial Engineering</i> , 2012, Vol. 11, No 2, pp. 5-8, ISSN 1335-7972



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	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production Engineering			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		13		
Total of SCI(SSCI) list papers :		6		
Current projects :		Domestic :	1	International : 2

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

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



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	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
6.	Baloš S., Grabulov V., Šidjanin (Sidjanin) L., Pantić M., Radisavljević I.: Geometry, mechanical properties and mounting of perforated plates for ballistic application, Materials and Design, 2010, Vol. 31, pp. 2916-2924, ISSN 0261-3069		
7.	Vrač D., Šidjanin (Sidjanin) L., Kovač P., Baloš S.: The influence of honing process parameters on surface quality, productivity, cutting angle and coefficients of friction, Industrial Lubrication and Tribology, 2012, Vol. 64, No 2, pp. 77-83, ISSN 0036-8792		
8.	Lazarević Z., Jovalekić Č., Sekulić D., Slankamenac M., Romčević M., Milutinović A., Baloš S., Romčević N.: Characterization of Nanostructured Spinel NiFe ₂ O ₄ Obtained by Soft Mechanochemical Synthesis, Science of Sintering, 2012, Vol. 44, No 3		
9.	Vrač D., Šidjanin (Sidjanin) L., Baloš S.: Mechanical finishing honing: cutting regimes and surface texture, Industrial Lubrication and Tribology, 2011, Vol. 63, No 6, pp. 427-432, ISSN 0036-8792		
10.	Baloš S., Balos T., Šidjanin (Sidjanin) L., Marković D., Pilić B., Pavličević J.: Study of PMMA biopolymer properties treated by microwave energy, Materiale Plastice, 2011, Vol. 48, No 02, pp. 127-131, ISSN 0025-5289		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		15	
Total of SCI(SSCI) list papers :		13	
Current projects :		Domestic :	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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Berić B. Andrijana	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		04.11.2004	
Scientific or art field:		German	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	German
Master's thesis	2009	Faculty of Philology - Beograd	German
Bachelor's thesis	2003	Faculty of Philosophy - Novi Sad	German
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F330	German Language – LSP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F331	German Language – LSP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	NJ01Z	German Language – Elementary	(A00) Architecture, Undergraduate Academic Studies (AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	NJ02L	German Language – Pre-Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
5.	NJ03Z	German Language – Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
6.	NJ04L	German Language – Upper-Intermediate	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
7.	NJ05	German Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
8.	NJ06	German Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
9.	NJ1L	German Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
10.	NJT1	German Language for Engineers 1	(H00) Mechatronics, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	SSIP22	German Language for Engineers 1	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies		
12.	NJ01Z	Nemački jezik - osnovni(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
13.	NJ02L	Nemački jezik - niži srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
14.	NJ03Z	Nemački jezik - srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
15.	NJ04L	Nemački jezik - napredni srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
16.	NJT1	Nemački jezik u tehnici 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
17.	NJ02L	German Language – Pre-Intermediate	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies		
18.	NJIIM	German for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
19.	F508	German Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies
20.	nja	German Language in Architecture	(AH0) Architecture, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Prevod: Inovacije i trendovi u proizvodnji alatnih mašina		
2.	Prevod: Inženjerstvo mehatroničnih sistema		
3.	Prevodi za Pro Elektro (u toku)		
4.	Prevod: Arbeitszenarien und Optimierung von Abläufen und Steuerung von selbstorganisierenden Bionic Assembly System in CIM Umgebung (u toku)		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0 International : 0



	<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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Bogdanović Ž. Vesna	
Academic title:		Senior Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.12.1999	
Scientific or art field:		English	
Academic carier	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	English
Magister thesis	2007	Faculty of Philosophy - Novi Sad	English
Bachelor's thesis	1999	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	(A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	(A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	(A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	(A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	(G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
7.	EJ02L	English Language – Pre-Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies

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

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies		
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies		
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies		
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		



		UNIVERSITY OF NOVI SAD		
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
		Study Programme Accreditation		
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies	
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies	
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies	
34.	EJIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies	
35.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies	
36.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies	
37.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies	
38.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies	
39.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies	
40.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	Vesna Marković, English in Civil Engineering, FTN Izdavaštvo, Novi Sad, 2004.			
2.	Vesna Bogdanović, Ivana Mirović, Engleski jezik za grafičko inženjerstvo i dizajn 1, FTN Izdavaštvo, Novi Sad, 2007.			
3.	Ivana Mirović, Vesna Bogdanović, Engleski jezik 2 za grafičko inženjerstvo i dizajn, FTN Izdavaštvo, Novi Sad, 2008			
4.	Vesna Marković, English in Civil Engineering, drugo izdanje, FTN Izdavaštvo, Novi Sad, 2008.			
5.	University of Novi Sad, Faculty of Technical Sciences, prevele: Marina Katić, Vesna Marković, Ivana Mirović, Fakultet tehničkih nauka, Novi Sad, 2004.			
6.	Mr Vesna Bogdanović, Pačvork romani Alis Voker i Toni Morison, Beograd: Zadužbina Andrejević, 2009, ISBN 978-86-7244-743-9			
7.	Bogdanović Vesna, Mirović Ivana, Ličen Branislava, Kreiranje udžbenika za stručni engleski jezik za studente različitog predznanja, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 445-454			
8.	Mirović Ivana, Bogdanović Vesna, Ličen Branislava, Istorijat nastave stručnog engleskog jezika na FTN-u u Novom Sadu, Zbornik radova međunarodne konferencije Jezik struke – teorija i praksa, DSJKS, Beograd, 2008: 170-176			



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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p>		
	<h2 style="margin: 0;">Study Programme Accreditation</h2>		
	UNDERGRADUATE ACADEMIC STUDIES	Production Engineering	

Science, arts and professional qualifications



Name and last name:		Budak M. Igor	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		06.09.2001	
Scientific or art field:		Metrology, Quality, Fixtures and Ecological-Engineering Aspects	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
PhD thesis	2009	Faculty of Mechanical Engineering - Ljubljana	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IA018	3D Digitalization Methods	(F10) Engineering Animation, Undergraduate Academic Studies
2.	P1401	Fixture Design and Measuring Machines	(P00) Production Engineering, Undergraduate Academic Studies
3.	P1508	Reverse Engineering and CAQ	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	P209	Measurements and Quality	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
5.	P306	Fixtures	(P00) Production Engineering, Undergraduate Academic Studies
6.	Z207	Mechanical Engineering in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z207A	Mechanical Engineering in Environmental Engineering	(Z01) Safety at Work, Undergraduate Academic Studies
8.	Z301	Pollution Measurement and Control	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
9.	Z416	EMS Systems	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	ZRI441	Material handling systems for environmental and labor protection	(Z01) Safety at Work, Undergraduate Academic Studies
11.	Z416	EMS sistemi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
12.	BM119D	Reverse engineering and rapid prototyping in biomedical engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
13.	P322	Introduction to Precision Engineering	(P00) Production Engineering, Undergraduate Academic Studies
14.	ZC036	Measurement and control of pollution	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
15.	P1409	Material Control Systems and CAI	(PM0) Production Engineering, Master Academic Studies
16.	P1501	Ecological Technologies and Systems	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
17.	Z416A	Environment Protection System Management	(PM0) Production Engineering, Master Academic Studies
18.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
19.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
20.	PIP16	Plastics and environmental protection	(PM0) Production Engineering, Master Academic Studies



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	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
21.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies
22.	PP103	Measurement and tools in precision engineering	(PM0) Production Engineering, Master Academic Studies
23.	SM3	Software support for reverse engineering and CAQ	(PM0) Production Engineering, Master Academic Studies
24.	SZSP18	Contemporary scientific approaches in life cycle assessment of products (LCA)	(Z00) Environmental Engineering, Specialised Academic Studies
25.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
26.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
27.	DP006	State and development trends of metrology, quality and fixtures	(M00) Mechanical Engineering, Doctoral Academic Studies
28.	DP013	Ecological Engineering Aspects	(M00) Mechanical Engineering, Doctoral Academic Studies
29.	DP019	Selected topics in technical diagnosis	(M00) Mechanical Engineering, Doctoral Academic Studies
30.	ZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Doctoral Academic Studies
31.	ZSP18	Modern Scientific Approaches in Product Life Cycle Assessment (LCA)	(Z00) Environmental Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Budak I., Vukelić Đ., Bračun D., Hodolić J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220		
2.	Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone-shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593		
3.	Kosec G., Nagode A., Budak I., Antić A., Kosec B.: Failure of the pinion from the drive of a cement mill, Engineering Failure Analysis, 2011, Vol. 18, pp. 450-454, ISSN 1350-6307		
4.	Budak I., Soković M., Barišić B.: Accuracy improvement of point data reduction with sampling-based methods by Fuzzy logic-based decision-making, MEASUREMENT, 2011, Vol. 44, No 6, pp. 1188-1200, ISSN 0263-2241		
5.	Budak I., Hodolić J., Soković M.: Development of a programme system for data-point pre-processing in Reverse Engineering, Journal of Materials Processing Technology, 2005, Vol. 162, pp. 730-735, ISSN 0924-0136		
6.	Jevremović D., Puškar T., Budak I., Vukelić Đ., Kojić V., Eggbeer D., Williams R.: An RE/RM approach to the design and manufacture of removable partial dentures with a biocompatibility analysis of the F75 Co-Cr SLM alloy, Materijali in tehnologije, 2012, Vol. 46, No 2, pp. 123-129, ISSN 1580-2949		
7.	Trifković B., Budak I., Todorović A., Hodolić J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871		
8.	Agarski B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodolić J.: Application of multi-criteria assessment in evaluation of motor vehicles' environmental performances, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330-3651		
9.	Vukelić Đ., Miljanić D., Randelović S., Budak I., Džunić D., Erić M., Pantić M.: Burnishing process based on optimal depth of workpiece penetration (Article in press, date of acceptance 28.08.2012, Manuscript Number: MIT-45-2012), Materijali in tehnologije, 2012, ISSN 1580-2949		
10.	Vukelić Đ., Tadić B., Miljanić D., Budak I., Todorović P., Randelović S., Jeremić B.: Novel workpiece clamping method for increased machining performance, Tehnički vjesnik-Technical Gazette, 2012, Vol. 19, No 4, pp. 837-846, ISSN 1330-3651.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		25	
Total of SCI(SSCI) list papers :		20	
Current projects :		Domestic :	4
		International :	7

	<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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Bukurov Ž. Maša	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.11.1993	
Scientific or art field:		Applied Fluid Mechanics - Hydro Pneumatic Technics	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Fluid Mechanics - Hydro Pneumatic Technics
PhD thesis	2004	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Magister thesis	1998	University of Novi Sad - Novi Sad	Environment Protection Engineering
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M205	Fundamentals of Fluid Mechanics	(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
2.	M205L	Fundamentals in Fluid Mechanics	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
3.	M212	Fluid Mechanics 1	(M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	M3301	Pumping and Compression Stations	(M30) Energy and Process Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	M3306	Devices for Mechanical Purification	(M30) Energy and Process Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	M3403	Fluid Machines	(M30) Energy and Process Engineering, Undergraduate Academic Studies
7.	M3453	Measurement of fluid properties	(M30) Energy and Process Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	URZP14	Fundamentals of Mechanical Engineering	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
9.	M3203	Technology of machinery	(M30) Energy and Process Engineering, Undergraduate Academic Studies
10.	M3401	Fluid Mechanics 2	(M30) Energy and Process Engineering, Undergraduate Academic Studies
11.	M3496	Pipeline Transportation	(M30) Energy and Process Engineering, Undergraduate Academic Studies
12.	M3553	Pipe Networks Modelling	(M30) Energy and Process Engineering, Master Academic Studies
13.	M3513	Computational Fluid Dynamics	(M30) Energy and Process Engineering, Master Academic Studies
14.	S0MI12	Theory of ship's motion and maneuverability	(S00) Traffic and Transport Engineering, Master Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
1.	M. Milankov, Maša Bukurov, A. Jovanović, T. Somer, EXPERIMENTAL STUDY OF THE HYDRODINAMIC EFFECTS OF IRRIGATION SUCTION DRAINAGE, Arch Orthop Trauma Surg 116 (4), p. 299-304, 1997.		
2.	Maša Bukurov, Ž Bukurov, M. Lekić, D. Stojković, TRANSPORTATION BY RIVER IN FUNCTION OF ECO PROTECTION AND MORE EFFICIENT USAGE OF WATER WAYS, First European Inland Waterway Navigation Conference, Balatonfured, Jun, 9-11, 1999.		
3.	Maša Bukurov, S. Tašin, B. Todorović, EFFICIENCY RATE OF STEAM-WATER INJECTOR FOR HOT WATER TRANSPORTATION, Proceedings of PSU-UNS International Conference 2003 "ENERGY AND ENVIRONMENT" Thailand, Dec. 2003, PSUUNS 03021, p.126-129		
4.	Maša Bukurov, S. Bikić, B. Todorović, S. Tašin, TRANSFORMATION OF STEAM ENERGY IN JET PUMP – EFFICIENCY RATE, 25th Yugoslav Congress on Theoretical and Applied Mechanics, Novi Sad, Jun, 2005		
5.	M. Effenberger, A. Gronauer, Maša Bukurov, CONTRIBUTION TO ENVIRONMENTAL PROTECTION BY USAGE OF BIOGAS, Journal on Processing and Energy in Agriculture, 1450-5029 (2004) 8, 3-4, p.69-71		
6.	Maša Bukurov, ENERGETSKO-EKOLOŠKO POBOLJŠANJE LINIJE ZA PROIZVODNJU KLINKERA SUVIM POSTUPKOM U FABRICI CEMENTA, magistarski rad, Univerzitet u Novom sadu, Centar za interdisciplinarne i multidisciplinarne studije inženjerstva zaštite životne sredine, 1998.		
7.	Siniša Bikić, Maša Bukurov, IMPORTANCE OF OPEN CHANNEL CALIBRATION IN FLOW RATE MEASURING, Scintific conference 2, 2006, Rousse. (proceedings, volume 45, book 1, ISSN 1311-3321)		
8.	Ž. Bukurov, Maša Bukurov, B. Todorović, S. Bikić, ZAKONITOSTI TRANSFORMACIONOG PROCESA ENERGIJE PARE U ENERGIJU PRITISKA KROZ PARO-VODENU MLAZNU PUMPU, Industrijska energetika 2004, Lepenski vir, oktobar 2004		
9.	Maša Bukurov, Istraživanje svojstava nadyvučnog paro-vodenog injektora, doktorska disertacija, Fakultet tehničkih nauka, Novi Sad, 2004.		
10.	38.Ž. Bukurov, Maša Bukurov, B. Todorović, S. Bikić, PODLOGE ZA ISTRAŽIVANJE ENERGIJSKO-STRUJNIH KARAKTERISTIKA U NADZVUČNOJ KOMORI ZA MEŠANJE PARO-VODENE MLAZNE PUMPE, Industrijska energetika 2004, Lepenski vir, oktobar 2004		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 0 International : 0 </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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



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



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
3.	L. Cveticanin, Homotopy-perturbation method for pure non-linear differential equation, Chaos, Solitons and Fractals, Vol.30, 2006, 1221-1230		
4.	L. Cveticanin, Free vibration of a Jeffcott rotor with pure cubic non-linear elastic property of the shaft, Mechanism and Machine Theory, Vol.40, 2005, 1330-1344.		
5.	L. Cveticanin, Approximate solution of a strongly non-linear complex differential equation, Journal of Sound and Vibration, Vol.284, No.1-2, 2005, pp.503-512.		
6.	L. Cveticanin, Vibrations of the non-linear oscillator with quadratic non-linearity, Physica A, Vol.341, 2004, pp.123-135.		
7.	M. Zukovic, L. Cveticanin, R. Margetic, Dynamics of the cutting mechanism with flexible support and non-ideal forcing, Mechanism and Machine Theory, Vol.58, 2012, 1-12.		
8.	L. Cveticanin, M. KalamiYazdi, H. Askari, Z. Saadatnia, Vibration of a two-mass system with non-integer order nonlinear connection, Mechanics Research Communications 43 (2012) 22-28.		
9.	L.Cveticanin, Oscillator with fraction order restoring force, Journal of Sound and Vibration, Vol.320, 2009, 1064-1077.		
10.	L. Cveticanin, Pure odd-order oscillators with constant excitation, Journal of Sound and Vibration, Vol.330, 2011, 976-986.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		706	
Total of SCI(SSCI) list papers :		134	
Current projects :		Domestic :	International :
		2	0

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



Name and last name:		Čuš -. Franci	
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 (menadžment inovacija i	
Academic carieer	Year	Institution	Field
Academic title election:	2009		Proizvodni sistemi, organizacija i menadžment (menadžment inovacija i promena)
PhD thesis	1988	Faculty of Mechanical Engineering - Maribor	Processes for Material Removal Processing
Magister thesis	1985	Faculty of Mechanical Engineering - Maribor	Processes for Material Removal Processing
Bachelor's thesis	1978	Faculty of Mechanical Engineering - 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.	Z421	Operacioni menadžment(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	II1053	Production Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
3.	IM1114	Energy Flows in the Enterprise	(I20) Engineering Management, Undergraduate Academic Studies
4.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
5.	HDOK4 S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
6.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
7.	ZR502	Occupational Risk Assessment	(Z01) Safety at Work, Master Academic Studies
8.	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
9.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies
10.	IM2207	Technology management	(I20) Engineering Management, Master Academic Studies
11.	IM2215	Value engineering	(I20) Engineering Management, Master Academic Studies
12.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
13.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies
14.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
15.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
16.	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.	ČUŠ, Franc, BALIČ, Jože. Optimization of cutting process by GA approach. Robot. comput.-integr. manuf.. [Print ed.], 2003, vol. 19, iss. 1/2, str. 113-121.		
2.	ČUŠ, Franc, MURŠEC, Bogomir. Databases for technological information systems. J. mater. process. technol.. [Print ed.], Dec. 2004, vol. 157/158, str. 75-81.		
3.	ČUŠ, Franc, ŽUPERL, Uroš, MILFELNER, Matjaž. Dynamic neural network approach for tool cutting force modelling of end milling operations. Int. j. gen. syst., October 2006, vol. 35, no 5, str. 603-618. [COBISS.SI-ID 10604310]		
4.	ČUŠ, Franc, MILFELNER, Matjaž, BALIČ, Jože. An intelligent system for monitoring and optimization of ball-end milling process. J. mater. process. technol.. [Print ed.], June 2006, vol. 175, iss. 1/3, str. 90-97.		
5.	ČUŠ, Franc, ŽUPERL, Uroš, KIKER, Edvard, MILFELNER, Matjaž. Adaptive controller design for feedrate maximization of machining process. J. Achiev. Mater. Manuf. Eng., Jul.-Aug. 2006, vol. 17, iss. 1/2, str. 237-240.		



	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
6.	ČUŠ, Franc, ŽUPERL, Uroš. Approach to optimization of cutting conditions by using artificial neural networks. J. mater. process. technol.. [Print ed.], 2006, vol. 173, iss. 3, str. 281-290.		
7.	ČUŠ, Franc, BALIČ, Jože, ŽUPERL, Uroš. Hybrid ANFIS-ants system based optimisation of turning parameters. J. Achiev. Mater. Manuf. Eng., Sep. 2009, vol. 36, iss. 1, str. 79-86.		
8.	ŠOSTAR, Adolf, ČUŠ, Franc. Vpliv toplotne obdelave na obdelovalnost materialov pri vrtanju. Stroj. vestn., 1983, let. 29, št. 10-12, str. 215-218. [COBISS.SI-ID 3324444]		
9.	ŠOSTAR, Adolf, ČUŠ, Franc. Načrtovanje preizkusov in izračun eksponentov za optimiranje odrezovanja. Stroj. vestn., 1984, let. 30, št. 9-10, str. 197-203. [COBISS.SI-ID 3324700]		
10.	ČUŠ, Franc. Odvisnosti in zakonitosti postopka čelnega frezanja. Stroj. vestn., 1986, 32, št. 4/6, str. 60-63. [COBISS.SI-ID 94468]		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		21	
Total of SCI(SSCI) list papers :		28	
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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Ćosić P. Ilija	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		22.12.1972	
Scientific or art field:		Production Systems, Organization and Management	
Academic carier	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1983	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	1979	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1972	Faculty of Mechanical Engineering - 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.	M316	Production Systems	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
2.	II1017	Production System Design	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1053	Production Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
5.	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
6.	IM1116	Work Study and Ergonomics	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
7.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
8.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
9.	IMDSPI	Selected Chapters in Design for Excellence	(I12) Industrial Engineering, Specialised Academic Studies
10.	IS001	Effective management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	ZR502	Occupational Risk Assessment	(Z01) Safety at Work, Master Academic Studies
12.	IIDS5	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
13.	IIDS9	Effective Production and Service Systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	Study Programme Accreditation				
	UNDERGRADUATE ACADEMIC STUDIES		Production Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
14.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies		
15.	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		
16.	IM2119	Layout and location of the enterprise	(I20) Engineering Management, Master Academic Studies		
17.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies		
18.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
19.	IMDR31	Effective Production and Service Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
20.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
21.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
22.	IMDRPI	Selected Chapters in Design for Excellence	(F00) Graphic Engineering and Design, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
23.	IMDR5	Selected chapters in enterprise's design, organization and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
24.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
25.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies		
26.	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.	Ćosić I.: Development of Knowledge-Based System for the Configuration of Assembly Systems, Knowledge-Based Selection and Arrangement of Parts Bins at Assembly Workplaces (TEBES) - European Communities Bruxelles, 1991				
2.	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 Intelligent 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				
3.	Zelenović D., Ćosić I., Šormaz D., Šišarica Z.: An approach to the design of more effective production systems , International Journal of Production Research, 1987, Vol. 25, No 1, pp. 3-15, ISSN 0020-7543				
4.	Kirin S., Sedmak A., Grubić-Nešić L., Ćosić I.: Project risk management in complex petrochemical system, Hemijska industrija, 2012, pp. 52-52, ISSN 0354-7531, UDK: doi:10.2298/HEMIND110709052K				
5.	Lazarević M., Ostojić G., Ćosić I., Stankovski S., Vukelić Đ., Zečević I.: Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248				
6.	Tešić Z., Lalić D., Ćosić 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				
7.	Stankovski S., Lazarević M., Ostojić G., Ćosić I., Purić R.: RFID Technology in Product/Part Tracking During the Whole Life Cycle , Assembly Automation, 2009, Vol. 29, No 4, pp. 364-370, ISSN 0144-5154				
8.	Sremčev N., Ćosić I., Suzić N., Stevanov B.: APPLICATION OF PLM SYSTEMS IN GROUP TECHNOLOGY APPROACH, 23. DAAAM International Symposium, Zadar: DAAAM International, Vienna, Austria, EU, 2012, 24-27 Oktobar, 2012, pp. 981-984, ISBN 978-3-901509-91-9, UDK: ISSN 2304-1382				
9.	Zelenović D., Ćosić I., Maksimović R.: IIM - prilaz u razvoju efektivnih proizvodnih sistema za budućnost, Tehnika, 2010, Vol. 65, No 3, pp. 125-133, ISSN 0040-2176, UDK: 322.5:330.352.46				
10.	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				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			96		
Total of SCI(SSCI) list papers :			15		
Current projects :			Domestic :	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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



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



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
3.	Dragutinovic, G.D., Baclic, B.S., "Interpolation and collocation methods for prediction of thermal regenerator performances", Thermal Science, Vol. 12, No. 4, 1996. pp. 307-327.		
4.	Baclic, B.S., Heggs, P.J., and Dragutinovic, G.D., "Prediction of the Effectiveness of Unbalanced - Asymmetric Counterflow Regenerators", Publications of the Faculty of Technical Sciences, Vol. 15, 1984, pp. 1-15, University of Novi Sad.		
5.	Baclic, B.S., Gvozdenac, D.D., and Dragutinovic, G.D., "Easy way to calculate the Amzelius-Schumann J function", Thermal Science, Vol. 1, No. 1, 1997, pp. 109-116.		
6.	Dragutinović, D.G., Dimić, M., Sinteza optimalnih mreža toplotnih razmenjivača, Termotehnika, 1, 1998.		
7.	Bašić, Đ., Petrović, J., Marić, M., Dragutinović, G., i dr., Mogućnost korišćenja energetskog potencijala geotermalnih voda u Vojvodini, Novi Sad, Prometej, 2009		
8.	Martinov, M., Dragutinović, G., i dr., Mogućnost kombinovane proizvodnje električne i toplotne energije iz biomase u AP Vojvodini, Novi Sad, PSEMR AP Vojvodina, 2008		
9.	Nedeljkov, M., Dragutinović, G., Mathematical Simulation od Deep-Bed Drying of Grains - A numerical simulation, CHISA, Prag, avgust 1987		
10.	Nedeljkov, M., Dragutinović, G., Mogućnosti i uslovi racionalizacije procesa konvektivnosg sušenja zrnastih poljoprivrednih proizvoda, 7. simpozijum termičara, Ohrid, maj 1984.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		11	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	International :
		2	0

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



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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
16.	DE517	Technology of magnetic and optical data storage	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Đurić N., Despotović M. : Application of MTR soft-decision decoding in multiple-head magnetic recording systems, Sadhana - Academy Proceedings in Engineering Science, 2009, Vol. 34, Broj 3, str. 381-392, ISSN 0256-2499		
2.	Đurić S., Nađ L., Damjanović M., Đurić N., Živanov Lj.: A novel application of planar-type meander sensors, Microelectronics International, 2011, Vol. 28, No 1, pp. 41-49, ISSN 1356-5362		
3.	Đurić N., Kavečan N.: Internet Portal of the SEMONT Information Network for the EM Field Monitoring, 4. International Conference on Advances in Future Internet - AFIN, Rim, 19-24 Avgust, 2012, pp. 55-59, ISBN 978-1-61208-211-0 (Best paper award)		
4.	Đurić N., Kavečan N., Kljajić D.: The EM Field Register of the SEMONT Broadband Monitoring Network, 10. SISY - International Symposium on Intelligent systems and Informatics, Subotica, 20-22 Septembar, 2012, pp. 27-30, ISBN 978-1-4673-4748-8		
5.	Đurić N., Šenk V.: The MAP Implementation in Logic Circuits for Soft-decision Decoding of MTR Codes, 6. European Modeling Symposium - EMS, Malta, 14-16 Novembar, 2012, pp. 201-206, ISBN 978-0-7695-4926-2/12		
6.	Đurić N., Prša M., Kasaš-Lažetić K.: Information Network for Continuous Electromagnetic Fields Monitoring, International Journal of Emerging Sciences - IJES, 2011, Vol. 1, No 4, pp. 516-525, ISSN 2222-4254		
7.	Vukobratović B., Đurić N.: Monitoring of EMF with SEMONT system, 6. International PhD Seminar on Computational electromagnetics and bioeffects of electromagnetic fields – CEMBEF, Novi Sad, 28-30 Jun, 2012, pp. 63-66, ISBN 978-86-7892-410-1		
8.	Bajović V., Đurić N., Herceg D.: Serbian Laws and Regulations as Foundation for Electromagnetic Field Monitoring Information Network, 10. International Conference on Applied Electromagnetics, Niš, 25-29 Septembar, 2011, ISBN ISBN: 978-86-6125-04		
9.	Đurić N., Prša M., Kasaš-Lažetić K., Bajović V.: Serbian Remote Monitoring System for Electromagnetic Environmental Pollution, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 701-704, ISBN 978-1-4577-2016-1		
10.	Đurić N., Šenk V., Vasić B.: MAP Decoding of MTR Codes in Multiple-Head Magnetic Recording Systems, 10. International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services - TELSIKS, Niš, 5-8 Oktobar, 2011, pp. 164-167, ISBN 978-1-4577-2018-5		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		2	
Current projects :		Domestic :	3
		International :	2



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



Name and last name:		Gak M. Dragana	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		16.09.2009	
Scientific or art field:		English	
Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Entrepreneurial Management - Novi Sad	English
Magister thesis	2010	Faculty of Philosophy - Novi Sad	English and American Literature
Bachelor's thesis	2000	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	(A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	(A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	(A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	(A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	(G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
7.	EJ02L	English Language – Pre-Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies

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

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		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies		
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
26.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
27.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
28.	ISIT01	English Language 1	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies		
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies		
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		



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		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
34.	EJIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies		
35.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
36.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
37.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies		
38.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
39.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies		
40.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Gak Dragana, Lorejn Hansberi i (afro) američka porodica, Zadužbina Andrejević, Beograd, 2012				
2.	Gak Dragana, Bulatović Vesna, Bogdanović Vesna, Poređenje nastave engleskog jezika na privatnom i državnom fakultetu, Zbornik radova sa međunarodne konferencije Jezik struke: Teorija i praksa, Univerzitet u Beogradu, str. 705-709, Beograd, 2009.				
3.	Bulatović Vesna, Gak Dragana, Bogdanović Vesna, Nastava stranih jezika na privatnom fakultetu, Zbornik radova sa međunarodne konferencije Jezik struke: Teorija i praksa, Univerzitet u Beogradu, str.329-333, Beograd, 2009.				
4.	Bogdanović Vesna, Gak Dragana, Univerzalana simbolika na primeru afro-američke zajednice u drami Lorejn Hansberi, Sveske, broj 98, decembar , Pančevo, 2010				
5.	Gak Dragana, Borković Bojana, Needs Analysis: A Basis of a Successful Business English Course, Zbornik radova sa međunarodne konferencije Jezik struke: Izazovi i perspektive, Univerzitet u Beogradu, str. 880-885, Beograd, 2011.				
6.	Bulatović Vesna, Gak Dragana, Speaking Skills: Advantages and Problems Involved When Teaching Business English, Zbornik radova sa međunarodne konferencije Jezik struke: Izazovi i perspektive, Univerzitet u Beogradu, str. 235-240, Beograd, 2011.				
7.	Gak Dragana, Textbook - An Important Element in the Teaching Process, Metodčki vidici, Filozofski fakultet Novi Sad, str.78-82, Novi Sad, 2011.				



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	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>			
Representative references (minimum 5, not more than 10)				
8.	Gak Dragana, Questionnaire - an Instrument for Collecting Valuable Data from Teachers of Business English Courses, Zbornik radova sa međunarodne konferencije The Importance of Learning Professional Foreign Language for Communication Between Cultures, Faculty of Logistics, University of Maribor, Slovenia, 2012			
9.	Mirović Ivana, Gak Dragana, Trust Me I'm an Engineer, Zbornik radova sa međunarodne konferencije The Importance of Learning Professional Foreign Language for Communication Between Cultures, Faculty of Logistics, University of Maribor, Slovenia, 2012.			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :				
Total of SCI(SSCI) list papers :				
Current projects :	Domestic :		International :	

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



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



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	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
10.	Gerić K.: Fractographic Analysis, part of monograph "From fracture mechanics to structural integrity assessment", 8. International fracture mechanics summer-school, Belgrade 2004, pp. 147-158		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		2	
Total of SCI(SSCI) list papers :		5	
Current projects :	Domestic :	2	International : 0



	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation</p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES Production 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 carieer	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



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	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production 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	



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

	<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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



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



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



Name and last name:		Gostimirović P. Marin	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 12.10.1982	
Scientific or art field:		Processes for Material Removal Processing	
Academic career	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
PhD thesis	1997	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
Magister thesis	1989	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
Bachelor's thesis	1982	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P1406	Theory of Machining Processes	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1408	Process Databases	(P00) Production Engineering, Undergraduate Academic Studies
3.	P1507	Inovational Technologies	(P00) Production Engineering, Undergraduate Academic Studies
4.	P208	Technology for Cutting Processing	(P00) Production Engineering, Undergraduate Academic Studies
5.	P305	Nonconventional Procedures in Processing	(P00) Production Engineering, Undergraduate Academic Studies
6.	P4410	Design and Product Functionality	(P00) Production Engineering, Undergraduate Academic Studies
7.	M2061	Basics of Manufacturing Technologies 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	P316A	Technology for Microcutting Processes	(P00) Production Engineering, Undergraduate Academic Studies
9.	P1505	Modelling and Simulation in Processing	(PM0) Production Engineering, Master Academic Studies
10.	P1509	Highly Productive Processing	(PM0) Production Engineering, Master Academic Studies
11.	P3502	Mold and die machining technology	(PM0) Production Engineering, Master Academic Studies
12.	P4410A	Production Design	(PM0) Production Engineering, Master Academic Studies
13.	PP101	Intelligent Forming Processes	(PM0) Production Engineering, Master Academic Studies
14.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
15.	DP002	State and Trend in Forming by Material Removal	(M00) Mechanical Engineering, Doctoral Academic Studies
16.	DP009	Artificial Intelligence Application in Forming by Material Removal	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DP020	State and Tendencies in Development of Unconventional Forming Processes	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP021	Selected Chapters in Micro and Nano Forming by Material Removal	(M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Gostimirović M., Milikić D.: Upravljanje toplotnim pojavama pri obradi brušenjem, Monografija, Fakultet tehničkih nauka, Novi Sad, 2002.		
2.	D. Milikić, M. Gostimirović, M. Sekulić: Osnove tehnologije obrade rezanjem, Fakultet tehničkih nauka, Novi Sad, 2008.		
3.	Gostimirović M., Sekulić M., Kopač J., Kovač P.: Optimal control of workpiece thermal state in creep-feed grinding using inverse heat conduction analysis, Strojniški vestnik – Journal of Mechanical Engineering, DOI: 10.5545/sv-jme.2010.075, Slovenia, Vol 57(2011), No. 10, 2011., pp. 730-738		
4.	Gostimirović M., Kovač P., Sekulić M.: An inverse heat transfer problem for optimization of the thermal process in machining, Sadhana-Academy Proceedings in Engineering Sciences, Vol 36(2011), Part 4, India, 2011., DOI: 10.1007/s12046-011-0034-4, pp. 489-504, ISSN 0256-2499		
5.	Gostimirović M., Kovač P., Ješić D., Škorić B., Savković B.: Surface layer properties of the workpiece material in high performance grinding, Metalurgija, Croatia, Vol. 51, No 1, 2012, pp. 105-108		

	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>			
Representative references (minimum 5, not more than 10)				
6.	Kovač P., Rodić D., Pucovsky V., Savković B., Gostimirović M.: Application of fuzzy logic and regression analysis for modeling surface roughness in face milling, Journal of Intelligent Manufacturing, 2012, ISSN 0956-5515, UDK: DOI 10.1007/s10845-012-0623-z			
7.	Gostimirović M., Kovač P., Sekulić M., Škorić B.: Influence of discharge energy on machining characteristics in EDM, Journal of Mechanical Science and Technology, DOI: 10.1007/s12206-011-0922-x, Korea, Vol 26(1), 2012., pp. 173-179, ISSN 1738-494X			
8.	Gostimirović M., Kovač P., Škorić B., Sekulić M.: Effect of electrical pulse parameters on the machining performance in EDM, Indian Journal of Engineering and Materials Sciences, India, Vol 18, 2012., pp. 411-415			
9.	Gostimirović M.: Nekonvencionalni postupci obrade, Fakultet tehničkih nauka, Novi Sad, 2012.			
10.	Sekulić M., Kovač P., Gostimirović M.: Drilling cutting forces monitoring using virtual instrumentation, Central European Exchange Program for University Studies, Cracow University of Technology, Technical University of Košice, 2009, str. 31-36, ISBN 978-83-7242-509-6			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	5			
Total of SCI(SSCI) list papers :	12			
Current projects :	Domestic :	1	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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



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



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	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
18.	DTM03	Biomechanical models and analysis of impact	(M40) Technical Mechanics, Doctoral Academic Studies
19.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, INT J BIFURCAT CHAOS, 2012, Vol. 22, No 4, pp. 1-10, ISSN 0218-1274		
2.	Grahovac N., Žigić M.: Modelling of the hamstring muscle group by use of fractional derivatives, Computers and Mathematics with Applications, 2010, Vol. 59, No 5, pp. 1695-1700, ISSN 0898-1221.		
3.	Glavardanov V., Maretić R., Grahovac N.: Buckling of a twisted and compressed rod supported by Cardan joints , European Journal of Mechanics - A: Solids, 2009, Vol. 28, pp. 131-140, ISSN 0997-7538		
4.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180		
5.	Grahovac N., Žigić M.: Fractional derivative viscoelastic model of the hamstring muscle group, 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey: 05-07 november, 2008		
6.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)		
7.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010		
8.	Grahovac N.: Generalized Zener model in the analysis of free vibration of a viscoelastic oscillator, 2. International Congress of Serbian Society of Mechanics, Palić: Serbian Society of Mechanics, 1-5 Jun, 2009, pp. 145-153, ISBN 978-86-7892-173-5, UDK: 531/534(082)		
9.	Žigić M., Grahovac N., Spasić D.: A simplified earthquake dynamics of a column like structure with fractional type of dissipation , 1. International Congress of Serbian Society of Mechanics, Kopaonik: Serbian Society of Mechanics, 10-13 April, 2007, pp. 165-172, ISBN 978-86-909973-0-5, UDK: 531/534(082)		
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov's Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		5	
Total of SCI(SSCI) list papers :		3	
Current projects :		Domestic :	International :
		1	0



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



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		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production 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			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
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 :	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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Hadžistević J. Miodrag	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.02.1993	
Scientific or art field:		Metrology, Quality, Fixtures and Ecological-Engineering Aspects	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
PhD thesis	2004	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Cutting Processing Tools and Tribology
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P1401	Fixture Design and Measuring Machines	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1508	Reverse Engineering and CAQ	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	P209	Measurements and Quality	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	P306	Fixtures	(P00) Production Engineering, Undergraduate Academic Studies
5.	URZP15	Work safety during interventions	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	Z207	Mechanical Engineering in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z207A	Mechanical Engineering in Environmental Engineering	(Z01) Safety at Work, Undergraduate Academic Studies
8.	Z301	Pollution Measurement and Control	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
9.	Z416	EMS Systems	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	ZR101	Introduction and Principles of Occupational Safety	(Z01) Safety at Work, Undergraduate Academic Studies
11.	ZR404	Occupational Safety Systems, Means and Equipment	(Z01) Safety at Work, Undergraduate Academic Studies
12.	Z207	Mašinstvo u inženjerstvu zaštite životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
13.	Z416	EMS sistemi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
14.	IM1714	Introduction and principles of occupational occupational health and safety	(I20) Engineering Management, Undergraduate Academic Studies
15.	ZC036	Measurement and control of pollution	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
16.	P1409	Material Control Systems and CAI	(PM0) Production Engineering, Master Academic Studies
17.	P1501	Ecological Technologies and Systems	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
18.	Z416A	Environment Protection System Management	(PM0) Production Engineering, Master Academic Studies
19.	Z452	Design and maintenance of quality control in environmental engineering	(M40) Technical Mechanics and Technical Design, Master Academic Studies

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES			Production Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
20.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies		
21.	PP103	Measurement and tools in precision engineering	(PM0) Production Engineering, Master Academic Studies		
22.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies		
23.	SM3	Software support for reverse engineering and CAQ	(PM0) Production Engineering, Master Academic Studies		
24.	SZSP18	Contemporary scientific approaches in life cycle assessment of products (LCA)	(Z00) Environmental Engineering, Specialised Academic Studies		
25.	ZCM09	Occupational Health and Safety	(ZC0) Clean Energy Technologies, Master Academic Studies		
26.	ZR406A	System Regulations and EU Practice in Occupational Health and Safety	(Z01) Safety at Work, Master Academic Studies		
27.	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		
28.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies		
29.	DP006	State and development trends of metrology, quality and fixtures	(M00) Mechanical Engineering, Doctoral Academic Studies		
30.	DP013	Ecological Engineering Aspects	(M00) Mechanical Engineering, Doctoral Academic Studies		
31.	DP019	Selected topics in technical diagnosis	(M00) Mechanical Engineering, Doctoral Academic Studies		
32.	ZSP18	Modern Scientific Approaches in Product Life Cycle Assessment (LCA)	(Z00) Environmental Engineering, Doctoral Academic Studies		
33.	ZRD211	Sustainable design and product safety	(Z01) Safety at Work, Doctoral Academic Studies		
34.	ZRD213	Current state and development tendencies of quality management of work environment	(Z01) Safety at Work, Doctoral Academic Studies		
35.	ZRD235	Systemic regulation in the field of occupational safety and health	(Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Stević, M.: Povećanje tačnosti merenja numerički upravljanih mernih mašina, edicija tehničke nauke - monografija, FTN izdavaštvo, ISBN 86-7892-028-9, Novi Sad, 2006.				
2.	Lomen, I., Cvetičanin, L., Hodolić, J., Stević, M.: Softwarova aplikacija na určenje hladiny hluku v priemyselných podnikoch, Časopis Acta Mechanica Slovaca, 2/2002, Ročník 6., pp. 165-168, Košice, Slovakia, 2002.				
3.	Sovilj, B., Vukelić, M., Pejić, V., Ilić, B., Tomić, D., Stević, M.: Određivanje funkcije postojanosti jednozubog odvalnog glodala u zavisnosti od rezima rezanja, Zbornik radova instituta za proizvodno mašinstvo, broj 9, Novi Sad, str. 135-144, 1992. god.				
4.	Stević, M., Hodolić, J., Vukmirović, S.: Develop Model For Coorrection Of Measuring Error On CMM, 11th International CIRP Life Cycle Engineering Seminar "Product Life Cycle – Quality Management Issues", Proceedings, Beograd, pp. 217-222, 2004. god.				
5.	Matin I., Hadžistević M., Hodolić J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, International Journal of Advanced Manufacturing Technology, 2012, Vol. 63, No 5-8, pp. 595-607, ISSN 0268-3768				
6.	Brajlih T., Tasić T., Drštvenček I., Valentan B., Hadžistević M., Pogačar V., Balić J., Ačko B.: Possibilities of Using Three-Dimensional Optical Scanning in Complex Geometrical Inspection, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 826-833, ISSN 0039-2480				
7.	Sekulić M., Jurković Z., Hadžistević M., Gostimirović M.: The influence of mechanical properties of workpiece material on the main cutting force in face milling, Metalurgija, 2010, Vol. 49, No 4, pp. 339-342, ISSN 0543-5846, UDK: 669.14/15:620.171.70/178:620.18 = 111				
8.	Morača S., Hadžistević M., Drštvenšek I., Radaković N.: Application of Group Technology in Complex Cluster type Organizational Systems, Strojniski vestnik = Journal of Mechanical Engineering, 2010, Vol. 56, No 10, pp. 663-675, ISSN 0039-2480				
9.	Radlovački V., Kamberović B., Delić M., Hadžistević M., Pečujlija M.: ARE QUALITY MANAGEMENT SYSTEM AND INFORMATION TECHNOLOGIES MANAGEMENT TOOLS - ESTIMATES OF SERBIAN QUALITY MANAGERS, INTERNATIONAL JOURNAL ADVANCED QUALITY, 2012, Vol. 40, No 1, pp. 33-36, ISSN 2217-8155, UDK: 658.5				
10.	Hadžistević M., Morača S.: Networks and Quality Improvement, International Journal for Quality Research, 2009, Vol. 3, No 4, pp. 353-361, ISSN 1800-6450				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			20		
Total of SCI(SSCI) list papers :			9		
Current projects :			Domestic :	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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Hodolić J. Janko	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		06.12.1974	
Scientific or art field:		Metrology, Quality, Fixtures and Ecological-Engineering Aspects	
Academic career	Year	Institution	Field
Academic title election:	1997	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
PhD thesis	1989	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Magister thesis	1979	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Bachelor's thesis	1974	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.	IA018	3D Digitalization Methods	(F10) Engineering Animation, Undergraduate Academic Studies
2.	P1401	Fixture Design and Measuring Machines	(P00) Production Engineering, Undergraduate Academic Studies
3.	P1508	Reverse Engineering and CAQ	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	P209	Measurements and Quality	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
5.	P2617	Planning Methods and Experiment Processing	(P00) Production Engineering, Undergraduate Academic Studies
6.	P306	Fixtures	(P00) Production Engineering, Undergraduate Academic Studies
7.	Z207	Mechanical Engineering in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z207A	Mechanical Engineering in Environmental Engineering	(Z01) Safety at Work, Undergraduate Academic Studies
9.	Z301	Pollution Measurement and Control	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
10.	Z416	EMS Systems	(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	ZR320	Experimental Analysis of Safety and Health on Workplace	(Z01) Safety at Work, Undergraduate Academic Studies
12.	ZR1441	Material handling systems for environmental and labor protection	(Z01) Safety at Work, Undergraduate Academic Studies
13.	Z207	Mašinstvo u inženjerstvu zaštite životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
14.	Z416	EMS sistemi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
15.	ZC036	Measurement and control of pollution	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
16.	P1409	Material Control Systems and CAI	(PM0) Production Engineering, Master Academic Studies
17.	P1501	Ecological Technologies and Systems	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
18.	P3501	Tool Designing for Plastic	(PM0) Production Engineering, Master Academic Studies
19.	Z416A	Environment Protection System Management	(PM0) Production Engineering, Master Academic Studies
20.	PIP16	Plastics and environmental protection	(PM0) Production Engineering, Master Academic Studies
21.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies


		UNIVERSITY OF NOVI SAD		
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
		Study Programme Accreditation		
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
22.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies	
23.	SZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Specialised Academic Studies	
24.	SZSP18	Contemporary scientific approaches in life cycle assessment of products (LCA)	(Z00) Environmental Engineering, Specialised Academic Studies	
25.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies	
26.	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.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies	
28.	DP006	State and development trends of metrology, quality and fixtures	(M00) Mechanical Engineering, Doctoral Academic Studies	
29.	DP013	Ecological Engineering Aspects	(M00) Mechanical Engineering, Doctoral Academic Studies	
30.	ZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Doctoral Academic Studies	
31.	ZSP18	Modern Scientific Approaches in Product Life Cycle Assessment (LCA)	(Z00) Environmental Engineering, Doctoral Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	Budak I., Vukelić Đ., Bračun D., Hodolić J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220			
2.	Bešić I., Van Gestel N., Kruth J., Bleys P., Hodolić J.: Accuracy improvement of laser line scanning for feature measurements on CMM, Optics and Lasers in Engineering, 2011, Vol. 49, No 11, pp. 1274-1280, ISSN 0143-8166			
3.	Matin I., Hadžisteivić M., Hodolić J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, International Journal of Advanced Manufacturing Technology, 2012, Vol. 63, No. 5-8, pp. 595-607, ISSN 0268-3768			
4.	Jakovljević Ž., Petrović P., Hodolić J.: Contact states recognition in robotic part mating based on support vector machines, International Journal of Advanced Manufacturing Technology, 2012, Vol. 59, No 1-4, pp. 377-395, ISSN 0268-3768			
5.	Mrkajić V., Stamenković M., Maleš M., Vukelić Đ., Hodolić J.: Proposal for reducing problems of the air pollution and noise in the urban environment, Carpathian Journal of Earth and Environmental Sciences, 2010, Vol. 5, No 1, pp. 49-56, ISSN 1842-4090			
6.	Vukelić Đ., Zuperl U., Hodolić J.: Complex system for fixture selection, modification, and design, International Journal of Advanced Manufacturing Technology, 2009, Vol. 45, No 7-8, pp. 731-748, ISSN 0268-3768			
7.	Budak I., Hodolić J., Soković M.: Development of a programme system for data-point pre-processing in Reverse Engineering, Journal of Materials Processing Technology, 2005, Vol. 162, pp. 730-735, ISSN 0924-0136			
8.	Agarski B., Budak I., Kosec B., Hodolić J.: An Approach to Multi-criteria Environmental Evaluation with Multiple Weight Assignment, Environmental Modeling & Assessment, 2012, Vol. 17, No 3, pp. 255-266, ISSN 1420-2026.			
9.	Trifković B., Budak I., Todorović A., Hodolić J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871.			
10.	Agarski B., Kljajin M., Budak I., Tadić B., Vukelić Đ., Bosak M., Hodolić J.: Application of multi-criteria assessment in evaluation of motor vehicles' environmental performances, Tehnički vjesnik/Technical Gazette, 2012, Vol. 19, No 2, pp. 221-226, ISSN 1330-3651.			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		42		
Total of SCI(SSCI) list papers :		22		
Current projects :		Domestic :	3	International : 6

	<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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Ivanović V. Dragan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.04.2007	
Scientific or art field:		Applied Computer Science and Informatics	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	2006	Faculty of Technical Sciences - Novi Sad	Informatics
Magister thesis	-		Applied Computer Science and Informatics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E2E40	XML and WEB Services	(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.	GG11	Fundamentals in Computing	(G00) Civil Engineering, Undergraduate Academic Studies
3.	ISIT20	Object-oriented Programming Platforms	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
4.	ISIT32	Technologies and platforms for digital contents and documents management	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
5.	ISIT41	eGovernment technologies and systems	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
6.	ISIT47	E-learning tools and technologies	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
7.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	SES301	IT Law	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
10.	E2507	Digital Archives	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
11.	E2521	Business Process Management	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	E2525	Contemporary educational technologies and standards	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
13.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies
14.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies
15.	DRNI06	Selected Topics in Digital Archives	(E20) Computing and Control Engineering, Doctoral Academic Studies
16.	DRNI13	Selected Topics in Scientific-research Activity managment	(E20) Computing and Control Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Ivanović, D., Surla, D. & Racković, M. (2010), "A CERIF data model extension for evaluation and quantitative expression of scientific research results", Scientometrics, DOI 10.1007/s11192-010-0228-2, Vol. 86, No. 1, pp. 155-172		
2.	Ivanovic, L., Ivanovic, D., Surla, D. (2012), "A data model of theses and dissertations compatible with CERIF, Dublin Core and EDT-MS", Online Information Review, Vol. 36, No. 4, pp. 568-586		
3.	Ivanović, D., Milosavljević, G., Milosavljević, B. & Surla, D. (2010), "A CERIF-compatible research management system based on the MARC 21 format", Program: Electronic library and information systems, DOI: 10.1108/00330331011064249, Vol. 44, No. 3, pp. 229-251		
4.	Ivanović, D., Surla, D. & Konjović, Z. (2010), "CERIF compatible data model based on MARC 21 format", The Electronic Library, DOI: 10.1108/02640471111111433, Vol. 29, No. 1, pp. 52-70		
5.	Milosavljević, G., Ivanović, D., Surla, D. & Milosavljević, B. (2010), "Automated Construction of the User Interface for a CERIF-Compliant Research Management System", The Electronic Library, Vol. 29, No 5, pp. 565-588		
6.	Kovacevic, A., Ivanovic, D., Milosavljevic, B., Konjovic, Z., Surla, D. (2011), "Automatic extraction of metadata from scientific publications for CRIS systems", Program: electronic library and information systems, Vol. 45, No. 4, pp.376 – 396, DOI: 10.1108/00330331111182094		
7.	Ivanović, L., Ivanović, D., Surla, D. (2012), Integration of a Research Management System and an OAI-PMH Compatible ETDs Repository at the University of Novi Sad, Republic of Serbia, Library resources and Technical services, Vol. 56, No. 2, pp. 104-112		
8.	Ivanović D., Surla D., Racković M.: Journal evaluation based on bibliometric indicators and the CERIF data model, Computer Science and Information Systems (ComSIS), 2012, Vol. 9, No 2, pp. 791-811, ISSN 1820-0214		
9.	Informacioni sistem naučno-istraživačke delatnosti		
10.	Ivanović D.: Sistemi za skladištenje naučnih sadržaja, Zadužbina Andrejević, 2011, ISBN 978-86-7244-916-7		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		72	
Total of SCI(SSCI) list papers :		8	
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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Jović Đ. Miomira	
Academic title:		Foreign Language Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Sciences - Novi Sad	
		01.09.2001	
Scientific or art field:		German	
Academic career	Year	Institution	Field
Academic title election:	2005		German
Bachelor's thesis	1973		German
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F331	German Language – LSP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	NJ01Z	German Language – Elementary	(A00) Architecture, Undergraduate Academic Studies (AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
3.	NJ02L	German Language – Pre-Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	NJ05	German Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	NJ06	German Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES			Production Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
6.	NJ1L	German Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
7.	SSIP22	German Language for Engineers 1	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies		
8.	NJ01Z	Nemački jezik - osnovni(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
9.	NJ02L	Nemački jezik - niži srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	F508	German Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies		
11.	nja	German Language in Architecture	(AH0) Architecture, Master Academic Studies		
Representative references (minimum 5, not more than 10)					
Summary data for teacher's scientific or art and professional activity:					
Quotation total :					
Total of SCI(SSCI) list papers :					
Current projects :		Domestic :		International : <table border="1" style="width: 100%;"> <tr> <td></td> </tr> </table>	

	<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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Juhas T. Anamarija	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.11.1990	
Scientific or art field:		Theoretical Electrotechnics	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Theoretical Electrotechnics
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	1994	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1990	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EE300	Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EOS01	Fundamental electrical engineering	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
3.	I087	Electrical Engineering in Industrial Engineering	(G10) Geodesy and Geomatics, Undergraduate Academic Studies
4.	M112	Electrical Engineering and Electric Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	Z107	Electrical Engineering, Environment and Protection	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
6.	II1007	Fundamental electrical engineering	(I10) Industrial Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	URZP12	Introduction to electrical engineering	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
8.	DE208S	Selected Chapters on Electromagnetic Compatibility	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
9.	DE408S	Selected chapters inl electromagnetics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	EE543	Electro Magnetic Energy	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	H799	Fieldbuses and protocols	(H00) Mechatronics, Master Academic Studies
12.	DE208	Selected Chapters on Electromagnetic Compatibility	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
13.	DE408	Selected Chapters in Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	A. Juhas, L. A. Novak, "Comments on "Class-E, Class-C, and Class-F power amplifier based upon a finite number of harmonics", IEEE Transactions of Microwave Theory and Techniques, vol. 57, no. 6, pp. 1623-1625, June 2009. ISSN 0018-9480.		
2.	A. Juhas, L. A. Novak, S. Kostić, "Signals with Flattened Extrema in Balance Power Analysis of HFHPTA: Theory and Applications", IEEE Transactions on Broadcasting, vol. 47, no. 1, pp.38-45, 2001. ISSN 0018-9316		
3.	S. Kostić, L. A. Novak, A. Juhas, "Increasing Efficiency and Output Power of HFHPTA by Injection of Two Harmonics", IEEE Transactions on Broadcasting, vol. 47, no. 1, pp.32-37, 2001. ISSN 0018-9316		



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
4.	D. Herceg, A. Juhas, M. Milutinov, "A design of a four square coil system for a biomagnetic experiment," Facta universitatis - series: Electronics and Energetics, 2009, Vol. 22, No 3, pp. 285-292. ISSN 0353-3670		
5.	L. A. Novak, A. Juhas, "O broju maksimuma u dvočlanim složenoperiodičnim funkcijama: krive katastrofa", Elektrotehnika, br. 1-2, pp. E7-E10, 1994.		
6.	A. Juhas, M. Milutinov, M. Prša, "Magnetic field of multi-line power system", Scientific bulletin of the "Politehnica" University of Timisoara, Proceedings of the 7th Int. Power Systems Conf., Timisoara, Romania, 22-23 Nov. 2007, Tom 52, pp. 319-328. ISSN 1582-7194.		
7.	M. Milutinov, A. Juhas, M. Prša, "Electric and magnetic field in vicinity of overhead multi-line power system", Acta Electrotehnica, Proceedings of the 2nd Int.I Conf. on Modern Power Systems MPS 2008, Cluj-Napoca, Romania, 12-14 Nov.r 2008, pp. 313-316. ISSN 1841-3323.		
8.	A. Juhas, M. Milutinov, N. Pekarić-Nadž, "Iskustva u primeni nacionalnih pravilnika o nejonizujućim zračenjima", Telekomunikacije, No 7, pp. 70-77, 2011. ISSN 1820-7782		
9.	A. Juhas, M. Milutinov, D. Herceg, M. Prša, N. Pekarić-Nadž, "Uređaj za generisanje homogenog magnetskog polja kontrolisanog intenziteta za potrebe biomagnetskih ekspreimenata", Tehničko rešenje, decembar 2010.		
10.	A. Juhas, N. Pekarić-Nadž, D. Herceg, " Estimation of Human Exposure to Combined RF EM Field of Multiple Antennas," Proceedings of International PhD Seminar on computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 Sep., 2010, pp. 27-31, ISBN 978-954-438-856-0		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		5	
Total of SCI(SSCI) list papers :		3	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 1 International : 0 </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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Kakaš I. Damir	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.09.1971	
Scientific or art field:		Surface Engineering, Micro and Nano Technologies	
Academic carier	Year	Institution	Field
Academic title election:	1994	Faculty of Technical Sciences - Novi Sad	Surface Engineering, Micro and Nano Technologies
PhD thesis	1982	Faculty of Technical Sciences - Novi Sad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano
Magister thesis	1976	Faculty of Technical Sciences - Novi Sad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano
Bachelor's thesis	1971	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.	P105	Heat Processing	(P00) Production Engineering, Undergraduate Academic Studies
2.	P110	Casting Technology	(P00) Production Engineering, Undergraduate Academic Studies
3.	P210	Surface Engineering	(P00) Production Engineering, Undergraduate Academic Studies
4.	P211	Devices and Plasma Procedures in Mechanical Engineering	(P00) Production Engineering, Undergraduate Academic Studies
5.	P2402	Designing of Thermal Processing Technologies	(P00) Production Engineering, Undergraduate Academic Studies
6.	P2403	Contemporary Casting Technologies	(P00) Production Engineering, Undergraduate Academic Studies
7.	P3405	Thermal Processing of Contemporary Tools	(P00) Production Engineering, Undergraduate Academic Studies
8.	M2061	Basics of Manufacturing Technologies 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	P2503	Process Design in Casting Technology	(PM0) Production Engineering, Master Academic Studies
10.	P2507	Nanotechnologies	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
11.	PP2111	Mechanical Engineering in Medicine and Bioengineering	(PM0) Production Engineering, Master Academic Studies
12.	SMI002	Modeling and simulation of thermo chemical and metallurgical processes	(PM0) Production Engineering, Master Academic Studies
13.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
14.	DP004	Advanced Technologies in Casting and Heat Treatment	(M00) Mechanical Engineering, Doctoral Academic Studies
15.	DP007	Procedures of Plasma Deposition	(M00) Mechanical Engineering, Doctoral Academic Studies
16.	DP011	Nanotechnologies and Nanomaterials Forming	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DP014	Nano and Micro Layers Characterization	(M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Kovačević L., Terek P., Kakaš D., Miletić A.: A correlation to describe interfacial heat transfer coefficient during solidification of Al-Si alloy casting, Journal of Materials Processing Technology, 2012, Vol. 212, No 9, pp. 1856-1861, ISSN 0924-0136.		
2.	Kakaš D., Škorić B., Rakita M.: Tribological behavior of duplex coating improved by ion implantation , Thin Solid Films., 2004, Vol. 459, No 1-2, pp. 152-155, ISSN 0040-6090		
3.	Kakaš D., Škorić B., Gredić T.: Influence of plasma nitriding on mechanical and Tribological Properties Of Steel with subsequent PVD Surface Treatments., Thin Solid Films., 1998, Vol. 317, No 1-2, pp. 486-489, ISSN 0040-6090		
4.	Zlatanović M., Kakaš D., Mazibrada LJ., Kunosić A., Münz W.: Influence of plasma nitriding on wear performance of TiN coating , Surface and Coating Technology, 1994, Vol. 64, No 3, pp. 173-181		
5.	Kakaš D., Škorić B., Bibić N., Rakita M.: Microstructural studies of TiN coatings prepared by PVD and IBAD , Surface Science, 2004, Vol. 566, No 1-3, pp. 40-44, ISSN 0039-6028		

	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
6.	Škorić B., Kakaš D., Rakita M., Bibić N., Peruškob D.: Structure, hardness and adhesion of TiN coatings deposited by PVD and IBAD on nitrided steels, <i>Vacuun</i> , 2004, Vol. 76, No 2-3, pp. 169-172, ISSN 0042-207X		
7.	Kakaš D., Terek P., Kovačević L., Miletić A., Škorić B.: Influence of interfacial layer thickness and substrate roughness on adhesion of TiN coatings deposited at low temperatures by IBAD, <i>SURF REV LETT</i> , 2011, Vol. 18, No 3-4, pp. 83-90, ISSN 0218-625X.		
8.	Škorić B., Kakaš D., Ješić D., Gostimirović M., Miletić A.: Characterization of duplex hard coatings with additional ion implantation, <i>Metalurgija</i> , 2012, Vol. 51, No 1, pp. 87-90, ISSN 0543-5846.		
9.	Škorić B., Kakaš D., Miletić A., Arsenović M., Gostimirović M.: Tribochemical Characterization of Duplex Hard Coatings with Additional Ion Implantation, <i>Oxidation Communication</i> , 2011, Vol. 34, No 2, pp. 326-338, ISSN 0209-4541.		
10.	Škorić B., Kakaš D., Gostimirović M., Miletić A.: Nanoscale modification of hard coatings with ion implantation, <i>Materijali in tehnologije</i> , 2011, Vol. 45, No 5, pp. 447-450, ISSN 1580-2949.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		31	
Total of SCI(SSCI) list papers :		12	
Current projects :		Domestic :	International :
		2	1

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

Name and last name:		Katić M. Marina	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2001	
Scientific or art field:		English	
Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	English
Master's thesis	2009	Faculty of Philology - Beograd	English
Magister thesis	2006	Faculty of Philology - Beograd	Engineering Management
Bachelor's thesis	1987	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	(A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	(A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	(A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	(A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	(G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
7.	EJ02L	English Language – Pre-Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	EJ02Z	English Language – Pre-Intermediate	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
9.	EJ03Z	English Language - Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	EJ04L	English Language – Upper Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
12.	EJ2L	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
13.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies		
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies		
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
29.	ISIT01	English Language 1	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies		
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
34.	EJIIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies		
35.	ETI10	English Language-Lower	(E02) Electronics and Telecommunications, Undergraduate Professional Studies		
36.	SSIP21	English Language	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies		
37.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
38.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
39.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies		
40.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
41.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies		
42.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies		
Representative references (minimum 5, not more than 10)					

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
1.	Marina Katić, Kostadin Pušara, "Standardization of E-Commerce Terminology", Annals of the Faculty of Engineering Hunedoara, Vol.III, Part 2, 2005, ISSN 1584-2665, Edition Mirton, Timisoara (Romania), pp.31-36.		
2.	M.Katić, "O tehnikama prevođenja nekih engleskih termina energetske elektronike", 11th International Symposium on Power Electronics – Ee 2001, Novi Sad, Oct.-Nov.2001, pp.154-157.		
3.	M.Katić, "Terminology of E-Commerce", 7th International Symposium on Interdisciplinary Regional Research – ISIRR 2003, Hunedoara (Romania), Sept. 2003, CD-ROM – Paper 0104.		
4.	M.Katić, "Key Terms of Business Environment", PSU-UNS Int. Conference Energy and Environment, Hat Yai (Thailand), Dec. 2003, .		
5.	Marina Katić, Kostadin Pušara, "Need for E-Commerce Term Standardization and Harmonization", Western Business & Management Conference 2004, Las Vegas (USA), Oct.2004, CD ROM.		
6.	Marina Katić, Kostadin Pušara, "Standardization of E-Commerce Terminology", VIII International Symposium on Interdisciplinary Regional Research - ISSIR 2005, Szeged (Hungary), 19-21. 04. 2005., University of Szeged, CD ROM.		
7.	M.Katić, "Deregulacija u elektroprivredi sa aspekta tumačenja i prevođenja engleskih termina na srpski jezik", III Jugoslovensko savetovanje o elektrodistributivnim mrežama, JUKO-CIRED, Vrnjačka Banja, Okt. 2002, Sveska 4, P-7.04, pp.153-158, (knjiga i CD ROM).		
8.	M.Katić, "Engleski jezik u službi međunarodnog menadžmenta", XII međunarodna konferencija Industrijski sistemi – IS 2002, Vrnjačka Banja, Nov. 2002, pp.146-151		
9.	M.Katić, "Anglicizmi u jeziku tehnike", XLVII Konferencija ETRAN, Herceg Novi, Jun 2003, CD-ROM i knjiga, Sveska 3, pp. 241-244.		
10.	M.Katić, K.Pušara, „Zašto je potrebna standardizacija termina elektronske trgovine“, XLIX Konferencija za ETRAN, Budva, 05.-10. 06. 2005., Zbornik radova, CD-ROM i knjiga, Sveska 3, pp.238-241.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



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



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

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

Representative references (minimum 5, not more than 10)



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



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
10.	R.D.Mićić, R.P. Marinković-Nedučin, Z.Schay, I.Nagy, J.S. Kiurski, E.E.Kiss, «Influence of the activation temperature on structural and textural properties of NiMo/Al ₂ O ₃ hydrodesulfurization catalysts», React.Kinet.Catal.Lett. 91(1), 85-92 (2007)		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		54	
Total of SCI(SSCI) list papers :		30	
Current projects :		Domestic :	1
		International :	1

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



Name and last name:		Kovač P. Pavel	
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:		Processes for Material Removal Processing	
Academic carier	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
PhD thesis	1987	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
Magister thesis	1980	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
Bachelor's thesis	1975	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P1406	Theory of Machining Processes	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1507	Inovational Technologies	(P00) Production Engineering, Undergraduate Academic Studies
3.	P208	Technology for Cutting Processing	(P00) Production Engineering, Undergraduate Academic Studies
4.	P2617	Planning Methods and Experiment Processing	(P00) Production Engineering, Undergraduate Academic Studies
5.	P305	Nonconventional Procedures in Processing	(P00) Production Engineering, Undergraduate Academic Studies
6.	P4410	Design and Product Functionality	(P00) Production Engineering, Undergraduate Academic Studies
7.	ZR320	Experimental Analysys of Safety and Health on Workplace	(Z01) Safety at Work, Undergraduate Academic Studies
8.	P316A	Technology for Microcutting Processes	(P00) Production Engineering, Undergraduate Academic Studies
9.	P1501	Ecological Technologies and Systems	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
10.	P1505	Modelling and Simulation in Processing	(PM0) Production Engineering, Master Academic Studies
11.	P1509	Highly Productive Processing	(PM0) Production Engineering, Master Academic Studies
12.	P3502	Mold and die machining technology	(PM0) Production Engineering, Master Academic Studies
13.	PIP16	Plastics and environmental protection	(PM0) Production Engineering, Master Academic Studies
14.	PP101	Intelligent Forming Processes	(PM0) Production Engineering, Master Academic Studies
15.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies
16.	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
17.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP002	State and Trend in Forming by Material Removal	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DP009	Artificial Intelligence Application in Forming by Material Removal	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	DP013	Ecological Engineering Aspects	(M00) Mechanical Engineering, Doctoral Academic Studies
21.	DP020	State and Tendencies in Development of Unconventional Forming Processes	(M00) Mechanical Engineering, Doctoral Academic Studies
22.	DP021	Selected Chapters in Micro and Nano Forming by Material Removal	(M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Kovač P., Milikić D.:Rezanje metala, Univerzitet u Novom Sadu, 1998		

	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
2.	Kovač P., Milikić D., Gostimirović M., Sekulić M., Savković B.: Zbirka zadataka iz tehnologije obrade rezanjem, Fakultet tehničkih nauka, Novi Sad, 2011.		
3.	Kovač Pavel, Metode planiranja i obrade eksperimenata, FTN Novi Sad, 2011		
4.	Kovač P.: Podloge za upravljanje procesom čeonog glodanja, FTN, IPM, Novi Sad, 1988		
5.	Kovač P.: Modeliranje procesa obrade-faktorni planovi eksperimenta, Fakultet tehničkih nauka, Novi Sad, 2006		
6.	Kovač P.: Teorija obradnih procesa -praktikum za vežbe, Fakultet tehničkih nauka, Novi Sad, 2007		
7.	Kovač P., Rodić D., Pucovsky V., Savković B., Gostimirović M.: APPLICATION OF FUZZY LOGIC AND REGRESSION ANALYSIS FOR MODELING SURFACE ROUGHNESS IN FACE MILLING, Journal of Intelligent Manufacturing, 2012, ISSN 0956-5515, UDK: DOI 10.1007/s10845-012-0623-z		
8.	Šiđanin L., Kovač P.: Fracture mechanisms in chip formation processes, Materials Science and Technology, Vol. 13, 1997, pp. 439-444		
9.	Pavel Kovač, Zuzana Palkova, Proizvodno mašinstvo i obnovljivi izvori energije, FTN Novi Sad 2011		
10.	Kovač P., Šiđanin L.: Investigation of chip formation during milling, Int. J. Production Economic, 51, 1997, pp. 149-153		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		7	
Total of SCI(SSCI) list papers :		15	
Current projects :		Domestic :	International :
		1	7

	<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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



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


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

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



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



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

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


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

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



Name and last name:		Lazarević M. Milovan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 11.11.2000	
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	2009	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	2000	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.	EOS19	Dismantling and recycling technologies	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	M316	Production Systems	(G10) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	II1012	Assembly Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1017	Production System Design	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	II1037	Disassembly and recycling technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	II1053	Production Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
7.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	IM1114	Energy Flows in the Enterprise	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1119	Product management at end of life	(I20) Engineering Management, Undergraduate Academic Studies
10.	EI504	Management of Small and Medium Enterprises	(MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
12.	IMDS56	Product traceability during the lifetime	(I12) Industrial Engineering, Specialised Academic Studies
13.	IMDS57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I12) Industrial Engineering, Specialised Academic Studies
14.	IMDS93	Virtual Enterprises and Collaborative Systems	(I22) Engineering Management, Specialised Academic Studies
15.	MBA411	Business intelligence concepts	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	PLM02	Product Development and Management in PLM	(I10) Industrial Engineering, Master Academic Studies (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 UNDERGRADUATE ACADEMIC STUDIES Production Engineering				
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
17.	PLM06	Technologies for Disposal at the Products End-Of-Life	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies		
18.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies		
19.	IIDR5S	Advanced Engineering Technologies	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (M50) Energy Management, Master Academic Studies		
20.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies		
21.	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		
22.	IM2120	Virtual Enterprises	(I20) Engineering Management, Master Academic Studies		
23.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies		
24.	PLM02	Applied Product Development	(I20) Engineering Management, Specialised Professional Studies		
25.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
26.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
27.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
28.	IMDR93	Virtual Enterprises and Collaborative Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies		
29.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic 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, ISSN 0144-5154				
2.	Stankovski S., Ostojić G., Tarjan L., Škrinjar D., Lazarević M. : IML Robot Grasping Process Improvement (Article in press, Date of acceptance 14. March 2010), Iranian Journal of Science & Technology, Transactions B, 2011, ISSN 1028-6284				
3.	Ostojić G., Lazarević M., Stankovski S., Čosić I. : RFID Technology Application in Disassembly Systems , Strojniski vestnik = Journal of Mechanical Engineering, 2008, Vol. 54, Broj 11, str. 759-767, ISSN 0039- 2480, UDK: 658.5				
4.	Stankovski S., Lazarević M., Ostojić G., Čosić I., Purić R. : RFID Technology in Product/Part Tracking During the Whole Life Cycle , Assembly Automation, 2009, Vol. 29, Broj 4, str. 364-370, ISSN 0144-5154				
5.	Lazarević M., Ostojić G., Čosić I., Stankovski S., Vukelić Đ., Zečević I.: Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248				
6.	Ostojić G., Stankovski S., Vukelić Đ., Lazarević M., Hodolić J., Tadić B., Odri S.: Implementation of automatic identification technology in a process of fixture assembly/disassembly, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 819-825, ISSN 0039-2480				
7.	Lazarević M., Ostojić G., Stankovski S., Čosić I.: Postupak upravljanja proizvodom u celokupnom životnom veku korišćenjem RFID taga, Broj priznatog patenta: 51796, datum priznavanja 24.10.2011. godine., 2011				
8.	Vukelić Đ., Tadić B., Hodolić J., Budak I., Lazarević M.: Development an expert system for machining fixture design, 10. International Conference on Accomplishments in Electrical and Mechanical Engineering and Information Technology - DEMI, Banja Luka: Faculty of Mechanical Engineering, 26-28 Maj, 2011, pp. 303-308, ISBN 978-99938-39-36-1				
9.	Jovanović V., Lazarević M., Simić M.: Prilog projektovanju tehnoloških montažnih sistema primenom softvera pro/engineer , 29. Jupiter konferencija, Beograd: MAŠINSKI Fakultet, Beograd, 1-2 Februar, 2003, ISBN 86-7083-459-6				
10.	Sužić N., Lazarević M., Sremčev N.: Design for Product Variety, 6. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Palić: Fakultet tehničkih nauka, 29-30 Septembar, 2010, pp. 219-222, ISBN 978-86-7892-278-7				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			11		
Total of SCI(SSCI) list papers :			6		
Current projects :			Domestic :	4	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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Ličen S. Branislava	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		07.04.2005	
Scientific or art field:		English	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	English
Bachelor's thesis	2009	Faculty of Philosophy - Novi Sad	Philology
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	(A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	(A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	(A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	(A00) Architecture, Undergraduate Academic Studies
5.	E2110	Izborni strani jezik 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	EJ01L	English Language – Elementary	(G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
7.	EJ01Z	English Language - Elementary	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies

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

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		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	EJ2L	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
14.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
15.	EJ3L	English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
16.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
18.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies		
19.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
21.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
23.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies		
24.	EJM	English Language – ESP Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies		
25.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
26.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		



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



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	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
45.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	"Formal and Aesthetic Aspects of Nadine Gordimer's Short Story", Romanian Journal of English Studies, University of the West Timisoara, br. 7, 2010., str.191-198.		
2.	"Summarization Skills of Engineering Students' Reading in a Second Language", Jezik struke, izazovi i perspektive, Univerzitet u Beogradu, 2011., str. 291-299.		
3.	"On Race, Ethnicity and Gender in Nadine Gordimer's 'Jump and Other Stories", Selected Papers in Literature and Culture from the 9th HUSSE Conference, Pecs, 2010., str. 285-290.		
4.	"Living in the Interregnum: Nadine Gordimer's 'Conservationist', 'Burger's Daughter' and 'July's People'", B.A.S. Conference on British and American Studies, University of the West Timisoara, br.XXI, maj 2011., str. 28.		
5.	"Preispitivanje istorijskog konteksta u Barnsovom romanu Floberov papagaj", Sveske, br.100, Pančevo, jun 2011., str. 69-77.		
6.	"Kreiranje udžbenika za stručni engleski jezik za studente različitog predznanja", Jezik struke, teorija i praksa, Univerzitet u Beogradu, 2009., str.445-454.		
7.	"Istorijat nastave stručnog engleskog jezika na FTN-u u Novom Sadu", Jezik struke, teorija i praksa, Univerzitet u Beogradu, 2009., str. 170-176.		
8.	Zajednica i pojedinac u delima Toni Morison u romanima Najplavlje oko, Sula, Voljena i Katreno luče, 2009.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0 International : 0

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



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



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	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
8.	Lončarević I., Budinski-Petković Lj., Vrhovac S.: Reversible random sequential adsorption of mixtures on a triangular lattice, Physical Review E, 2007, Vol. 76, No 031104, pp. 1-9		
9.	Lončarević I.: Irreversible deposition of extended objects with diffusional relaxation on discrete substrates, The European Physical Journal B, 2010, No 73, pp. 439-445		
10.	Satarić M., Kozmidis-Luburić U., Budinski-Petković Lj., Lončarević I.: Intrinsic Electric Fields as a Control mechanism of Intracellular Transport along Microtubules, Journal of Computational and Theoretical Nanoscience, 2009, Vol. 6, pp. 721-731, ISSN 1546-1955		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		12	
Current projects :		Domestic :	International :
		1	0

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

Name and last name:		Lukić J. Tibor	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.07.2012	
Scientific or art field:		Mathematics	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Mathematics
Magister thesis	2004	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	IAM004	Geometry of Discrete Space	(F10) Engineering Animation, Undergraduate Academic Studies
5.	M106	Mathematics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
6.	M4201	Mathematics 3	(M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	M4202	Applied Mathematical Analysis	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	Z104	Mathematics 1	(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies

		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES				Production 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 (ZZ0) 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)	(ZZ0) Environmental Engineering, Undergraduate Academic Studies		
13.	Z106	Matematika 2(uneti naziv na engleskom)	(ZZ0) Environmental Engineering, Undergraduate Academic Studies		
14.	OML503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies		
15.	OML507	Logic in computer science	(OM1) Mathematics in Engineering, Master Academic Studies		
16.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Tibor Lukic, Nebojsa M. Ralevic, Geometric Mean Newton"s Method for Simple and Multiple Roots, Elsevier, Applied Mathematics Letters 21, pp. 30-36, 2008.				
2.	Joakim Lindblad, Nataša Sladoje, and Tibor Lukic, Feature Based Defuzzification in Z2 and Z3 Using a Scale Space Approach, Springer-Verlag, Volume 4245, of Lecture Notes in Computer Science, pp. 378-389, 2006.				
3.	Tibor Lukic, Nataša Sladoje, and Joakim Lindblad, Deterministic Defuzzification based on Spectral Projected Gradient Optimization, Springer-Verlag, Volume 5096 of Lecture Notes in Computer Science, pp. 476-485, 2008.				
4.	Zorana Luzanin and Tibor Lukic, Convergence of the MRV method at singular points, Volume 35 of Novi Sad Journal of Mathematics, pp. 71-79, 2005.				
5.	Tibor Lukic, Nebojsa M. Ralevic and Aniko Lukity, Application of Aggregation Operators in Solution of Nonlinear Equations, Proceedings of 4th Serbian-Hungarian Joint Symposium on Intelligent Systems, pp. 329-339, Subotica, 2006.				
6.	Tibor Lukic and Nebojsa M. Ralevic, Newton"s Method with Accelerated Convergence Modified by an Aggregation Operator, Proceedings of 3rd Serbian-Hungarian Joint Symposium on Intelligent Systems, pp. 121-128, Subotica, 2005.				
7.	Tibor Lukic, Joakim Lindblad, and Nataša Sladoje, Regularized Image Denoising Based on Spectral Gradient Optimization, Inverse Problems, Vol. 27:085010, IOP Publishing, 2011.				
8.	Lukić T.: Energy-minimization based Discrete Tomography Reconstruction Method for Images on Triangular Grid, Lecture Notes in Computer Science, LNCS, 2012				
9.	Tibor Lukic, Benedek Nagy, Energy-minimization based Discrete Tomography Reconstruction Method for Images on Triangular Grid, Proceedings of Combinatorial Image Analysis - 15th International Workshop (IWCIA), Austin (TX), USA, LNCS, Vol. 7655, Springer-Verlag, pp. 274-284, 2012.				
10.	Zorana Luzanin and Tibor Lukic, Convergence of the MRV method at singular 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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:	Lužanin B. Ognjan		
Academic title:	Assistant Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 09.11.1992		
Scientific or art field:	Plastic Deformation Technology, Rapid Prototyping, Virtual		
Academic career	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design



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

	ID	Course name	Study programme name, study type
1.	IA016	Introduction to Virtual Reality Technology	(F10) Engineering Animation, Undergraduate Academic Studies
2.	P2411	Virtual Production in Technologies of Plastic Deforming	(P00) Production Engineering, Undergraduate Academic Studies
3.	BM119D	Reverse engineering and rapid prototyping in biomedical engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
4.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
5.	F50410	3D Printing	(F00) Graphic Engineering and Design, Master Academic Studies
6.	NIT01	Innovative Product Development	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
7.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
8.	SM1061	Integrated VR development environments for engineering applications	(PM0) Production Engineering, Master Academic Studies
9.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
10.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)



1.	Tadić B., Todorović P., Lužanin O., Miljanić D., Jeremić B., Bogdanović B., Vukelić Đ.: Using specially designed high-stiffness burnishing tool to achieve high-quality surface finish, DOI: 10.1007/s00170-012-4508-2, International Journal of Advanced Manufacturing Technology, 2012, ISSN 0268-3768
2.	Plančak M., Hartley P., Esssa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International, 2012, pp. 1247-1250, ISSN 978-3-514-00754-3
3.	Ostojić G., Tadić B., Lužanin O., Stankovski S., Vukelić Đ., Budak I., Miladinović Lj.: An integral system for automated cutting tool selection, Scientific Research and Essays, 2011, Vol. 6, No 15, pp. 3240-3251, ISSN 1992-2248
4.	Vukelić Đ., Tadić B., Lužanin O., Budak I., Križan P., Hodolić J.: A rule-based system for fixture design, Scientific Research and Essays, 2011, Vol. 6, No 27, pp. 5787-5802, ISSN 1992-2248
5.	Lužanin O., Plančak M.: Enhancing Gesture Dictionary of a Commercial Data Glove Using Complex Static Gestures and an MLP Ensemble, Strojinski vestnik - Journal of Mechanical Engineering, 2009, Vol. 55, No 4, pp. 230-236, ISSN 0039-2480
6.	Vukelić Đ., Tadić B., Jovanović M., Lužanin O., Simeunović N.: A System for Computer-Aided Selection of Cutting Tools, Acta Technica Corviniensis, 2011, Vol. 4, No 4, pp. 89-92, ISSN 2067-3809
7.	Lužanin O., Plančak M.: Virtual reality technologies in virtual manufacturing-notes on current trends and applications, Journal for technology of Plasticity, 2008, Vol. 33, No 1-2, pp. 103-111.
8.	Vilotić D., Plančak M., Kuzman K., Milutinović M., Movrin D., Skakun P., Lužanin O.: Application of net shape and near-net shape forming technologies in manufacture of roller bearing components and cardan shafts, Journal for technology of Plasticity, 2007, Vol. 32, No 1-2, pp. 87-104.
9.	Milutinović M., Vilotić D., Plančak M., Trbojević I., Čupković Đ., Lužanin O.: Hot ring rolling in bearing production, Journal for Technology of Plasticity, 2005, Vol. 30, No 1-2, pp. 61-73, ISSN 0354-3870.
10.	Novaković D., Lužanin O., Zeljković Ž., Hodolić J.: Enhancement of Tribological Characteristics of Gears by Application of Software Package for Gear Trains Design, Journals Tribology in industry, 1998, Vol. 20, No 2, pp. 47-51, ISSN 0351-1642.



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	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production Engineering			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		0		
Total of SCI(SSCI) list papers :		5		
Current projects :		Domestic :	1	International : 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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>		
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Science, arts and professional qualifications

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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
5.	R. Maretic, V. Glavardanov and D. Radomirovic: Asymmetric vibrations and stability of a rotating annular plate loaded by a torque. Meccanica, 2007, 42, 537- 546.		
6.	R. Maretic, 2005, "Transverse vibration and stability of an eccentric rotating circular plate", Journal of Sound and Vibration 280, 467-478.		
7.	R. B. Maretic, V. B. Glavardanov, 2004, "Stability of a Rotating Heated Circular Plate with Elastic Support", Journal of Applied Mechanics, Transactions of the ASME, 71, 897-899.		
8.	R. B. Maretic and T. M. Atanackovic, 2001, Journal of Engineering Mechanics Vol 127, 242-247, Buckling of Column with Base Attached to Elastic Half-Space.		
9.	L. Cveticanin, R. Maretic, 2000., Mechanism and Machine Theory 35, 1391-1411. Dynamic analysis of a cutting mechanism.		
10.	T.M. Atanackovic, R.B. Maretic, J.M. Milidragovic, 1999, Archive of Applied Mechanics 69, 94-104, On the stability of an elastic column positioned on an elastic half space.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		25	
Total of SCI(SSCI) list papers :		14	
Current projects :		Domestic :	1
		International :	0

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



Name and last name:		Marković D. Vidan	
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:	2011	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1999	Faculty of Sciences - Novi Sad	Informatics
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	1990	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IM1314	Computer aided project management	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1719	Implementation of information systems in insurance	(I20) Engineering Management, Undergraduate Academic Studies
3.	SE0017	Software Development Methodologies	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	SES101	Software Engineering Economy	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
6.	E2537	IT Resources Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies
7.	IM2317	IT Project management	(I20) Engineering Management, Master Academic Studies
8.	IM2321	Management of project oriented enterprises	(I20) Engineering Management, Master Academic Studies
9.	IM2714	Disaster risk management cycle	(I20) Engineering Management, Master Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Marković V., Maksimović R.: A contribution to continual software service improvement based on the six-step service improvement method, INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, 2012, Vol. 22, No 4, pp. 549-569, ISSN 0218-1940		
2.	Popović, D., Damjanović, S, Marković, V.: Systolic Right Ventricular Adaptational Changes in Athletes and Predictors of the Maximal Functional Capacity: A Pulsed Tissue Doppler Study, Journal of Sports Medicine and Physical Fitness, ISSN 0022-4707		
3.	Marković, V., Maksimović, R.: A contribution to software service improvement based on LSP method, African journal of business management, Vol. 4(15), pp. 3277-3288, 2010, ISSN 1993-8233		
4.	Marković, V., Prilog sistematskom podizanju CMM nivoa poduzeća, Svijet Osiguranja, listopad 2005., pp. 43-46		
5.	Tomašević M., Marković V.: CONTRIBUTION TO THE USER REQUESTS MANAGEMENT BASED ON ITIL IMPLEMENTATION, 4. International Scientific and Expert Conference - TEAM, Slavonski Brod, 17-19 Oktobar, 2012, pp. 185-188		
6.	Marković, V., Informatičko sazrevanje kompanije, Želid, Beograd, str. 363, 2006.		
7.	Marković V., Advantage software for health insurance, Green Shield Canada, Windsor, Ontario, Canada, pp. 15, 2001.		
8.	Marković V., Intelligent Call Center Agent, Green Shield Canada, Windsor, Ontario, Canada, pp. 72, 2000.		
9.	Marković V., Council Agenda System, The Corporation of The City of Windsor, Windsor, Ontario, Canada, pp. 17, 1996.		
10.	Marković V., A Contribution to Applying Layer Pattern in Modeling JIT System's Architecture, XV Conference on Applied Mathematics, PRIM2002, Zlatibor, str 63-75, 2002.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		3	
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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications


Name and last name:		Marković -. Milan	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Computer Science	
Academic carieer	Year	Institution	Field
Academic title election:			
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E233	Internet Networks	(E20) Computing and Control Engineering, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	F501	WEB Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies
3.	ISIT28	Informaciona bezbednost	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
4.	BMI95	Introduction to Computer Science	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	SE0011	Introduction to Software Engineering	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SE0017	Software Development Metodologies	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies



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	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
10.	E2522	Software Standardization and Quality	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	SEM009	Identity Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies
12.	SEM017	Information Security	(SE0) Software Engineering and Information Technologies, Master Academic Studies
Representative references (minimum 5, not more than 10)			
Summary data for teacher's scientific or art and professional activity:			
Quotation total :			
Total of SCI(SSCI) list papers :			
Current projects :	Domestic :		International :



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

Name and last name:		Mihailović P. Biljana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.03.1999	
Scientific or art field:		Mathematics	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2009	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2003	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	E224A	Probability and Stochastic Processes	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	EOS07	Mathematics 2	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
6.	M102	Mathematics 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
7.	E102	Mathematical Analysis 1	(ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E102A	Mathematical Analysis 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
11.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies		
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies		
13.	I004/S	Statistical Quantitative Methods	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies		
14.	OIR009	Primenjena aktuarska matematika	(I20) Engineering Management, Specialised Professional Studies		
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies		
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
18.	D0M49	Aggregation Functions	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
19.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
20.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (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.	E. Pap, B. Mihailović: A representation of a comonotone-v-additive and monotone functional by two Sugeno integrals, Fuzzy Sets and Systems 155, (2005) 77-88				
2.	B. Mihailović, E. Pap: Sugeno integral based on absolutely monotone real set functions, Fuzzy Sets and Systems, Vol 161, Issue 22, (2010) 2857-2869				
3.	B. Mihailović, E. Pap: Asymmetric integral as a limit of generated Choquet integrals based on absolutely monotone real set functions, Fuzzy Sets and Systems 181, (2011) 39-49.				
4.	B. Mihailović, E. Pap: Asymmetric general Choquet integrals, Acta Polytechnica Hungarica, Volume 6, Issue Number 1, (2009) 161-173.				
5.	Kalina M., Manzi M., Mihailović B.: Choquet integrals and T-supermodularity, E. Pap (Ed.): Intelligent Systems: Models and Applications, TIEI 3, DOI: 10.1007/978-3-642-33959-2 4 c Springer-Verlag Berlin Heidelberg , (2013) 61-75.				

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

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



Name and last name:		Milojević D. Zoran	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 27.10.1997	
Scientific or art field:		Machine Elements, Construction Principles, Machine and Mechanizm	
Academic carier	Year	Institution	Field
Academic title election:	2008	University of Novi Sad - Novi Sad	Machine Elements, Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng. Communication
PhD thesis	2008	University of Novi Sad - Novi Sad	Machine Elements, Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng. Communication
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering



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

	ID	Course name	Study programme name, study type
1.	EOS03	Fundamentals in Mechanical Engineering (Machine elements and Materials)	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
2.	F202	Fundamentals in Mechanical Engineering	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	M108	Engineering Graphic Communications	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	M2610	Graphic Communications and CAD	(H00) Mechatronics, Undergraduate Academic Studies
5.	S012	Descriptive Geometry and Engineering Drawing	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	IA013	Interactive Engineering Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	ZC007	Engineering Graphic Communications	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
8.	M2511	Methodology of Design	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	AID04	Haptic devices usage in the virtual environment	(F20) Engineering Animation, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)



1.	Gligorić, R., Milojević, Z.: " TEHNIČKO CRTANJE ", Edicija univerzitetski udžbenik, br 166, ISBN 86-499-0131-5., Univerzitet u Novom Sadu, 2004. god. (356 strana)
2.	Milojević, Z., Navalusić, S., Zeljković, M.: " NC VERIFICATION AS A COMPONENT OF VIRTUAL MANUFACTURING", Academic Journal of Manufacturing Engineering, Vol. 5, No 2-2007., Editura Politehnica, Timisoara, Romania, pp: 48-54, 2007. ISSN: 1583-7904.
3.	Milojević, Z., Navalusić, S., Zeljković, M.: " DEVELOPMENT OF THE MODULE FOR REAL TIME VERIFICATION OF NC MACHINING PROGRAM", Journal Manufacturing Engineering Manufacturing Accuracy Increasing problems, Wroclaw, 2007.
4.	Obradović, R., Milojević, Z.: PLANE SECTION OF CONE AND CYLINDER IN COMPUTER GEOMETRY, Facta Universitatis, Series Architecture and Civil Engineering, Vol. 3, No.2, Niš 2005., pp. 195-207
5.	Milojević, Z., Zeljković, M., Navalusić, S., Milisavljević, B., Gatalo, R.: " ANALYSIS OF THE ISOPARAMETRIC HEXAHEDRAL ELEMENTS ACCURACY IN THE FEM STRUCTURAL ANALYSIS OF THE MAIN SPINDLE ASSEMBLY", Journal of Machine Engineering, Vol.2 No. 1-2 , Open and Global Manufacturing Design, Wroclaw, 2002. god., pp. 193-203
6.	Marjanović N., Isailović B., Marjanović V., Milojević Z., Blagojević M., Bojić M.: A practical approach to the optimization of gear trains with spur gears, Mechanism and Machine Theory, 2012, Vol. 53, pp. 1-16, ISSN 0094-114X
7.	Milojević Z., Navalusić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
8.	Milojević Z., Navalusić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray , HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991		
9.	Milankov M., Savić D., Milojević Z.: Geometric considerations regarding the surface of the tibial insertion of the ACL graft, Knee Surg Sports Traumatol Arthrosc, 2012, Vol. 20, No 9, pp. 1887-1888, ISSN 0942-2056		
10.	Obradović R., Petter O., Vidaković M., Popkonstantinović B., Popović B., Milojević Z.: Using Contemporary 3D Web Technologies in the Process of CAD Model Design (prihvaćen za objavljivanje u 2013), Technics Technologies Education Management, 2013, Vol. 8, No 1, 2/3, ISSN 1840-1503		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		5	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 1 International : 0 </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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Milosavljević R. Gordana	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.12.1995	
Scientific or art field:		Applied Computer Science and Informatics	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2010		Computer Science
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Computer Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E242	Software Specification and Modeling	(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.	F209	Multimedia	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	RI53	Business Information Systems	(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.	ISIT08	Object oriented programming fundamentals	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
5.	ISIT12	Osnove informacionih sistema	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
6.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
7.	ISIT26	Upravljanje projektima	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
8.	ISIT27	Osnove softverskih arhitektura	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
9.	ISIT35	Poslovna informatika	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
10.	ISIT37	Konfigurisanje i administracija baza podataka	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
11.	SE0016	Databases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
13.	SES202	Model Driven Software Development	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
14.	SES204	Advanced Programming Tecnics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
15.	E2508	Agile Software Development Methodology	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
16.	DRNI08	Selected Topics in Information Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
17.	DRNI12	Selected Topics in Contemporary Software Development Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	B. Milosavljević, M. Vidaković, S. Komazec, G. Milosavljević.: User Interface Code Generation for EJB-Based Data Models Using Intermediate Form Representations. Principles and Practice of Programming in Java, Kilkenny, Ireland, 2003		
2.	B. Milosavljević, M. Vidaković, S. Komazec, G. Milosavljević.: User Interface Code Generation for Data-Intensive Applications with EJB-Based Data Models, Software Engineering Research and Practice (SERP'03), Las Vegas, USA, 2003		
3.	G. Milosavljević, B. Perišić: Really Rapid Prototyping of Large-Scale Business Information Systems, IEEE International Workshop on Rapid System Prototyping, San Diego, USA, 2003		
4.	Milosavljević G., Ivanović D., Milosavljević B., Surla D.: Automated Construction of the User Interface for a CERIF-Compliant Research Management System, The Electronic Library, 2011, Vol. 29, No 5, pp. 565-588, ISSN 0264-0473		
5.	Perišić B., Milosavljević G., Dejanović I., Milosavljević B.: UML Profile for Specifying User Interfaces of Business Applications, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 2, pp. 405-426, ISSN 1820-0214		
6.	Ivanović D., Milosavljević G., Milosavljević B., Surla D.: A CERIF-Compatible Research Management System Based on the MARC 21 Format, Program: Electronic Library and Information Systems, 2010, Vol. 44, No 3, pp. 229-251, ISSN 0033-0337		
7.	Dejanović I., Milosavljević G., Tumbas Živanov M., Perišić B.: A Domain-Specific Language for Defining Static Structure of Database Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 3, pp. 409-440, ISSN 1820-0214		
8.	Dejanović I., Perišić B., Milosavljević G., Stričević N.: Towards a foundation for distributed version control of SLE artifacts. In 3rd International Workshop on Model-Based Software and Data Integration, Birmingham, England		
9.	Milosavljević G., Dejanović I., Perišić B.: Ready for the industry: A practical approach to teaching mde. In 7th Educators Symposium@MODELS 2011: Software Modeling in Education, pages 31-40, Wellington, New Zealand, www.se.uni-oldenburg.de/documents/olnse-2-2011-EduSymp.pdf		
10.	Dejanović I., Tumbas Živanov M., Milosavljević G., Perišić B.: Comparison of Textual and Visual Notations of DOMMLite Domain-Specific Language, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 20-24		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0 International : 0



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

Name and last name:		Milosavljević P. Branko	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.10.1998	
Scientific or art field:		Applied Computer Science and Informatics	
Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E2E40	XML and WEB Services	(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.	E2E41	E-Business Systems Security	(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.	F209	Multimedia	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F214I2	Raster Graphics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	GI100	Computer Practicum	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	RI41	Internet Software Architectures	(E20) Computing and Control Engineering, Undergraduate Academic Studies
7.	SEI41	Internet Software Architectures	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	ISIT03	Introduction to Programming	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
9.	ISIT08	Object oriented programming fundamentals	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
10.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
11.	ISIT28	Informaciona bezbednost	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
12.	ISIT29	XML Technologies	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
13.	BMI95	Introduction to Computer Science	(BM0) Biomedical Engineering, Undergraduate Academic Studies
14.	EIWDS	Web-based Measurement and Data Acquisition Systems	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
15.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
16.	E2506	Advanced Internet Infrastructure	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
17.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies		
18.	E2521	Business Process Management	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
19.	E2526	Service Oriented Architectures	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies		
20.	DE417	Web-based Measurement Systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies		
21.	DRNI02	Selected Topics in Advanced Software Architecture	(E20) Computing and Control Engineering, Doctoral Academic Studies		
22.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies		
23.	DRNI06	Selected Topics in Digital Archives	(E20) Computing and Control Engineering, Doctoral Academic Studies		
24.	FDS151	Selected Chapters in Multimedia	(F00) Graphic Engineering and Design, Doctoral Academic Studies		
25.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies		
26.	FDS224	Selected Chapters in Programming	(F00) Graphic Engineering and Design, Doctoral Academic Studies		
27.	DRNI19	Selected Topics in Information Security	(E20) Computing and Control Engineering, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Branko Milosavljević. Models for Extensible Multimedia Document Retrieval. In IEEE 6th International Symposium on Multimedia Software Engineering, Miami, FL, 2004.				
2.	Branko Milosavljević, Milan Vidaković, Srđan Komazec, and Gordana Milosavljević. User Interface Code Generation for Data-Intensive Applications with EJB-Based Data Models. In Software Engineering Research and Practice (SERP'03), Las Vegas, NV 2003.				
3.	Branko Milosavljević and Zora Konjović. Design of an XML-Based Extensible Multimedia Information Retrieval System. In IEEE Multimedia Software Engineering (MSE2002), Newport Beach, CA, 2002. pp. 114-121.				
4.	G. Sladić, B. Milosavljević, Z. Konjović. Extensible Access Control Model for XML Document Collections, Intl. Conf. on Security and Cryptography ICETE-SECURITY'07, Barcelona, Spain, 2007.				
5.	Branko Milosavljević, Milan Vidaković, and Zora Konjović. Automatic code generation for database-oriented web applications. In James Power and John Waldron, editors, Recent Advances in Java Technology: Theory, Application, Implementation, pages 89-98. Trinity College Dublin, 2003.				

	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
6.	Danijela Tešendić, Branko Milosavljević, and Dušan Surla. A library circulation system for city and special libraries. The Electronic Library, 27(1):162-186, 2009. ISSN: 0264-0473, DOI: 10.1108/02640470910934669.		
7.	Jelena Radjenović, Branko Milosavljević, and Dušan Surla. Modelling and implementation of catalogue cards using FreeMarker. Program: electronic library and information systems, 43(1):62-76, 2009. ISSN: 0033-0337, DOI: 10.1108/00330330910934110.		
8.	Milan Vidaković, Branko Milosavljević, Zora Konjović, and Goran Sladić. Extensible Java EE-based agent framework and its application on distributed library catalogues. Computer Science and Information Systems (ComSIS), 6(2):1-28, 2009. ISSN: 1820-0214, DOI: 10.2298/csis0902001V.		
9.	Aleksandar Kovačević, Branko Milosavljević, Zora Konjović, and Milan Vidaković. Adaptive content-based music retrieval system. Multimedia Tools and Applications, 47(3):525-544, 2010. ISSN: 1380-7501, DOI: 10.1007/s11042-009-0336-2.		
10.	Bojana Dimić, Branko Milosavljević, and Dušan Surla. XML schema for UNIMARC and MARC 21. The Electronic Library, 28(2):245-262, 2010. ISSN: 0264-0473, DOI: 10.1108/02640471011033611.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		15	
Current projects :		Domestic :	International :
		2	1

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



Name and last name:		Milošević P. Mijodrag	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.03.1998	
Scientific or art field:		Technological Process Design and Optimization and Technical Preparation	
Academic carier	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Tecnological Process Design and Optimization and Technical Preparation for Manufacturing
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Technological Processes, Techno-Economic Optimization and Virtual Design
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Technological Processes, Techno-Economic Optimization and Virtual Design
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects

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

	ID	Course name	Study programme name, study type
1.	P1403	Integrated CAPP Systems and Technological Database	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1503	Technological Logistics and Entrepreneurship	(P00) Production Engineering, Undergraduate Academic Studies
3.	P308	Process Planning	(P00) Production Engineering, Undergraduate Academic Studies
4.	P4408	Entrepreneurship in Small and Medium Enterprises	(P00) Production Engineering, Undergraduate Academic Studies
5.	P320	Technological Preparation of Production in Precision Engineering	(P00) Production Engineering, Undergraduate Academic Studies
6.	GM502	Management in Construction	(G00) Civil Engineering, Master Academic Studies
7.	P1506	Internet Technologies in Production Engineering	(PM0) Production Engineering, Master Academic Studies
8.	P315	Intelligent Process Planning	(PM0) Production Engineering, Master Academic Studies
9.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies
10.	SM1	Methods and Software Tools for Collaborative Design	(PM0) Production Engineering, Master Academic Studies
11.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
12.	DP017	Selected Chapters in e-Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
13.	DP018	Modern Approach in Development Technological Preparation of Production	(M00) Mechanical Engineering, Doctoral Academic Studies
14.	DP022	Collaborative Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
15.	ZRD232	Logistics in the Security Services and Health at Work	(Z01) Safety at Work, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)



1.	Antić, A.,NovákMarcinčin J.,Kovačević, D., Milošević, M., Ungureanu, N.: Depending Tool Vibrations of Tool Wear and Chip Forming Mechanism, New Ways In Manufacturing Technologies 2012, Prešov, Slovakia, 21th 23th June 2012.		
2.	Todić, V., Zeljković, M., Tepić, J., Milošević, M., Lukić, D.: Techno-Economic Method for Evaluation and Selection of Flexible Manufacturing Systems, Metalurgija, ISSN 0543-5846, Vol. 51, No. 3, pp.349-353, 2012.		
3.	Todić, V., Tepić, J., Kostelac, M., Lukić, D., Milošević, M.: Design and Economic Justification of Group Blanks Application, Metalurgija, ISSN 0543-5846, Vol. 51, No. 2, pp. 269-272, 2012.		
4.	Todić, V., Tepić, J., Milošević, M., Lukić, D., Hadžistević M.: Design of Casting Blanks in CAPP System for Parts of Piston-Cylinder Assembly of Internal compustion Engines, Metalurgija, ISSN 0543-5846, Vol. 51, No. 1, pp. 75-78, 2012.		
5.	Milošević, M., Todić, V., Lukić, D.: Internet-Based Collaborative System For Process Planning, Journal of Production Engineering, ISSN 1821-4932, Vol.15, No.1, pp.45-48, Faculty of Technical Science, Department of Production Engineering, Novi Sad, 2012.		
6.	Tepić, J., Todić, V., Lukić, D., Milošević, M., Borojević, S.: Development of the Computer-Aided Process Planning (CAPP) System for Polymer Injection Mold Manufacturing, Metalurgija, ISSN 0543-5846, Vol.50, No.4, pp. 273-277, 2011.		
7.	Milošević, M., Todić, V., Lukić, D.: Web-Based Collaborative Environment for Process Planning, 34th International Conference on Production Engineering, Proceedings, pp.109-112, ISBN 978-86-6055-019-6, Faculty of Mechanical Engineering, Niš, September 2011.		
8.	Todić, V., Penezić, N., Lukić, D., Milošević, M.: Tehnološka logistika i preduzetništvo, FTN Izdavaštvo, ISBN 978-86-7892-368-5, Fakultet tehničkih nauka, Novi Sad, 2011.		

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6				
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>				
Representative references (minimum 5, not more than 10)					
9.	Milošević, M., Todić, V., Lukić, D.: Model Development of Collaborative System for Process Planning, Proceedings of The International Scientific Conference "Flexible Technologies" - MMA, ISBN 978-86-7892-223-7, pp. 170 - 173, Faculty of Technical Science, Department for Production Engineering, Novi Sad, October 2009.				
10.	Todić, V., Lukić, D., Stević, M., Milošević, M.: Integrated CAPP System for Plastic Injection Mold Manufacturing, Materiale Plastice, ISSN 0025-5289, Vol. 45, No. 4, pp. 381-389, 2008.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :				8	
Total of SCI(SSCI) list papers :				5	
Current projects :				Domestic :	<div style="display: flex; justify-content: space-between;"> 0 International : 2 </div>

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES	
	Production Engineering	



Science, arts and professional qualifications



Name and last name:		Mirović Đ. Ivana	
Academic title:		Lecturer	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.04.1990	
Scientific or art field:		English	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	English
Bachelor's thesis	1984	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	(A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	(A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	(A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	(A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	(G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
7.	EJ02L	English Language – Pre-Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies

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

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies		
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies		
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies		
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		



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		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies		
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies		
34.	EJIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies		
35.	ETI05	English language - Elementary	(E02) Electronics and Telecommunications, Undergraduate Professional Studies		
36.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
37.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
38.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies		
39.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
40.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies		
41.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Prevod monografije: Nenad Teofanov: Ultramodulation Spaces and Pseudodifferential Operators, Zadužbina Andrejević				
2.	Prevod publikacije o Fakultetu tehničkih nauka, Faculty of Technical Sciences, 2004				
3.	Vesna Bogdanović i Ivana Mirović: Engleski jezik 1 za grafičko inženjerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2007				
4.	Ivana Mirović i Vesna Bogdanović: Engleski jezik 2 za grafičko inženjerstvo i dizajn, FTN izdavaštvo, Novi Sad, 2011				
5.	I. Mirović, V. Bogdanović, B. Ličen: Istorijat nastave stručnog engleskog jezika na FTN u Novom Sadu. međunarodna konferencija Jezik struke, teorija i praksa, Beograd, 2008				
6.	V. Bogdanović, I. Mirović, B. Ličen: Kreiranje udžbenika za engleski jezik za studente različitog predznanja, međunarodna konferencija Jezik struke, teorija i praksa, Beograd, 2008				
7.	I. Mirović, B. Ličen, V. Bogdanović: Summarization skills of engineering students reading in a second language, Language for Specific Purposes, Challenges and Prospects, Belgrade, 2011				

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



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



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	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>			
Representative references (minimum 5, not more than 10)				
1.	Milojević, Z., Navalusić, S., Zeljković, M.: " NC VERIFICATION AS A COMPONENT OF VIRTUAL MANUFACTURING", Academic Journal of Manufacturing Engineering, Vol. 5, No 2-2007., Editura Politehnica, žitimisoara, Romania, pp: 48-54, 2007. ISSN: 1583-7904			
2.	Milojević, Z., Navalusić, S., Zeljković, M.: " DEVELOPMENT OF THE MODULE FOR REAL'TIME VERIFICATION OF NC MACHINING PROGRAM", Journal Manufacturing Engineering Manufacturing Accuracy Increasing problems, Wroclaw, 2007			
3.	Milojević, Z., Navalusić, S., Zeljković, M.: " AN EXACT APPROACH TO 3-AXIS MILLING NC SIMULATION AND VERIFICATION", Journal Manufacturing Engineering Vol.3, No.5, Kosicah, 2006., pp. 14-17			
4.	Milojević, Z., Navalusić, S., Zeljković, M.: " DEVELOPMENT OF THE MODULE FOR VERIFICATION OF NC MACHINING PROGRAM ", Journal of Machine Engineering, Vol.5 No. 1-2, Intelligent Machines and factories, Wroclaw, 2005. god., pp. 177-185			
5.	Zeljko, M., Zeljković, Ž., Navalusić, S., Milojević, Z.: " SOFTWARE SOLUTION DEVELOPMENT FOR THE GRINDING WHEEL PROFILING CYCLE ON THE CNC GRINDING MACHINE", Journal of Machine Engineering, Vol.4 No. 1-2, Machine tools and factories of the knowledge, Wroclaw, 2004. god., pp. 254-262			
6.	Desnica E., Letić D., Gligorić R., Navalusić S.: Implementation of information technologies in higher technical education, Metalurgia international, 2012, Vol. 17, No 3, pp. 76-82, ISSN 1582-2214			
7.	Milojević Z., Navalusić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray , HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991			
8.	Desnica E., Letić D., Navalusić S.: Concept of distance learning model in graphic communication teaching at university level education, Technics Technologies Education Management, 2010, Vol. 5, No 2, pp. 378-388, ISSN 1840-1503			
9.	Milojević Z., Navalusić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991			
10.	Navalusić, S., R. Gatalo, M. Zeljković: Automated Gearbox Design Based on Principles of Expert System Building, JSPE Publication Series No.1, Advancement of Intelligent Production, edited by Eiji Usui, Elsevier Science B. V., Amsterdam - Lausanne - New York - Oxford - Shannon - Tokyo, 1994, pp. 45-50			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	0	International :	0

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



Name and last name:		Nenadić M. Goran	
Academic title:		Guest Professor	
Name of the institution where the teacher works full time and starting date:		-	
Scientific or art field:		Applied Computer Science and Informatics	
Academic carier	Year	Institution	Field
Academic title election:	2012		Applied Computer Science and Informatics
PhD thesis	2003		Mathematical Sciences
Magister thesis	1997		Mathematical Sciences
Bachelor's thesis	1993		Mathematical Sciences
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E2K40A	Soft Computing	(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.	ISIT2D	Web design	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
3.	SE0001	Introduction to Programming	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	SE0014	Computer organisation	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	SE0016	Databases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
6.	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SE0031	Operating Systems	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	SES40	Software patterns and components	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies



		UNIVERSITY OF NOVI SAD		
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
		<h2 style="text-align: center;">Study Programme Accreditation</h2>		
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering
List of courses being held by the teacher in the accredited study programmes				
	ID	Course name	Study programme name, study type	
10.	E2503	Data Mining and Data Analysis Systems	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies	
11.	E2506	Advanced Internet Infrastructure	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies	
12.	E2523	Social Networks	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies	
13.	E2524	Text Mining	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies	
14.	E2527	Business Intelligence	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies	
15.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies	
Representative references (minimum 5, not more than 10)				
1.	Spasic, I., Sarafranz, F., Keane, J., Nenadic, G.: Extraction of Medications from Hospital Discharge Letters with Pattern Matching and Semantic Rules, J. of American Medical Informatics Association, 17(5): 532-535, 2010			
2.	Gerner, M., Nenadic, G., Bergman, C.: LINNAEUS: A Species Name Identification System for Biomedical Literature, BMC Bioinformatics 11:85, 2010			
3.	Yang, H., Spasic, I., Keane, J., Nenadic, G.: A Text Mining Approach to the Prediction of a Disease Status from Clinical Discharge Summaries, J. of American Medical Informatics Association, 16(4):596-600			
4.	Yang, H., Keane, J., Bergman, C., Nenadic, G.: Assigning Roles to Protein Mentions: the Case of Transcription Factors, Journal of Biomedical Informatics, Vol. 42(5), pp. 887-894			
5.	Yang, H., Nenadic, G., Keane, J.: Identification of Transcription Factor Contexts in Literature using Machine Learning Approaches, BMC Bioinformatics 2008, 9(Suppl 3):S11			
6.	Rice, S., Nenadic, G., Stapley, B.: Mining Protein Function from Text Using Term-based Support Vector Machines, BMC Bioinformatics 2005, 6(Suppl 1):S22			
7.	Krauthammer, M., Nenadic, G.: Term Identification in the Biomedical Literature, Journal of Biomedical Informatics, Vol. 37(6), 2004, pp. 512-526			
8.	Nenadic, G., Spasic, I., Ananiadou, S.: Terminology-driven Mining of Biomedical Literature, Bioinformatics 19:8, 2003, pp. 938-943			
9.	Nenadic, G., Mima, H., Spasic, I., Ananiadou, S., Tsujii, J.: Terminology-based Literature Mining and Knowledge Acquisition in Biomedicine, Int. J. of Medical Informatics, Vol. 67(1-3), 2002, pp. 33-48			
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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>		
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Science, arts and professional qualifications



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



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

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



Name and last name:		Novaković N. Branislava	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		05.12.1997	
Scientific or art field:		Deformable Body Mechanics	
Academic carieer	Year	Institution	Field
Academic title election:	2011		Deformable Body Mechanics
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Bachelor's thesis	1987	Faculty of Technical Sciences - Novi Sad	Theory of Construction
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GG15	Strength of Materials	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG410	Selected Chapters in the Theory of Elasticity	(G00) Civil Engineering, Undergraduate Academic Studies
3.	H202	Strength of materials	(H00) Mechatronics, Undergraduate Academic Studies
4.	M2412	Theory of Elasticity	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
5.	M4402	Dynamics and Stability of Constructions	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
6.	BMI96	Mechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	M2546	Selected Chapters in the Theory of Elasticity	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	M4503	Higher Course in Elasticity	(M40) Technical Mechanics and Technical Design, Master Academic Studies
10.	DAU003	Selected Chapters in Mechanics	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
11.	DM403	Mathematical Rod Theory	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	DZ003	Selected Chapters in Mechanics	(M00) Mechanical Engineering, Doctoral Academic Studies
13.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Atanackovic, T. M., Novakovic, B. N.: ON A FRACTIONAL DERIVATIVE TYPE OF A VISCOELASTIC BODY. Theoretical and Applied Mechanics. Vol. 28-29, pp 27-37, Belgrade 2002		
2.	B. N. Novakovic, T. M. Atanackovic.: ON STABILITY OF THE COLUMN WITH A STEP CHANGE IN A CROSS SECTION. Iranian Journal of Science and Technology. Vol 28, No B4, 2004		
3.	T. M. Atanackovic, B. N. Novakovic, : OPTIMAL SHAPE OF AN ELASTIC COLUMN ON ELASTIC FOUNDATION. European Journal of Mechanics A/Solids. Vol.25, No 1, pp 154-165, 2006		
4.	Branislava N. Novaković: O STABILNOSTI ŠTAPA NA ELASTIČNOJ PODLOZI, Međunarodna konferencija 2006 SAVREMENI PROBLEMI U GRAĐEVINARSTVU, Subotica, 2-3 Jun 2006		
5.	Novakovic B., Atanackovic T.: ON THE OPTIMAL SHAPE OF AN ELASTIC ROD ON ELASTIC FUONDATION, The First International Conference on Computational Mechanics, Belgrade, November 15-17, 2004		
6.	B. N. Novakovic, STABILITY OF THE COLUMN WITH A STEP CHANGE, 23th Congress of Theoretical and Applied Mechanics, Belgrade, October 12-13, 2001		
7.	B. N. Novakovic, ON STABILITY OF THE COLUMN WITH A STEP CHANGE, ISIRR 2002, Novi Sad, October 2002		

	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
8.	Atanackovic T., Novakovic B. : STABILITY OF AN ELASTIC ROD ON ELASTIC FOUNDATION, 24th Congress of Theoretical and Applied Mechanics, Belgrade, October 9-10, 2003.		
9.	B. N. Novaković, T. M. Atanacković: STABILNOST ELASTIČNOG ŠTAPA NA ELASTIČNOJ PODLOZI, INDIS 2003, 9th National and 3rd International scientific meeting, Novi Sad,		
10.	Atanackovic T.M., Novakovic B.N.: OPTIMAL SHAPE OF AN ELASTIC, 25th Congress of Theoretical and Applied Mechanics, Novi Sad, June 1-3, 2005.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		2	
Total of SCI(SSCI) list papers :		5	
Current projects :		Domestic :	<div style="display: flex; justify-content: space-between;"> 1 International : 0 </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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Obradović M. Ratko	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		02.09.1993	
Scientific or art field:		Computer Graphics	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Computer Graphics
PhD thesis	2000	Faculty of Sciences - Novi Sad	Computer Graphics
Magister thesis	1997	Faculty of Sciences - Novi Sad	Computer Graphics
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Machine Elements, Construction Principles, Machine and Mechanism Theory, Power and Motion Transfer and Eng. Communication
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IA020	Advanced Display Technologies	(F10) Engineering Animation, Undergraduate Academic Studies
2.	M108	Engineering Graphic Communications	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
3.	S012	Descriptive Geometry and Engineering Drawing	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	IA006	Spatial Shape Design	(F10) Engineering Animation, Undergraduate Academic Studies
5.	IA009	3D Modeling	(F10) Engineering Animation, Undergraduate Academic Studies
6.	IA014	Advanced Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
7.	IGA013	Character Animation	(F10) Engineering Animation, Undergraduate Academic Studies
8.	IGA055	Special Visual Effects	(F10) Engineering Animation, Undergraduate Academic Studies
9.	IGB034	Video in Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
10.	IGB340	Fundamentals of Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
11.	ZC007	Engineering Graphic Communications	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	IA018	Computer Geometry	(F20) Engineering Animation, Master Academic Studies
13.	AD0010	Advanced Animation and Video Post Techniques in Architecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
14.	E2528	Computer game development	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
15.	IA005	History of Animation	(F20) Engineering Animation, Master Academic Studies
16.	AID08	Advanced Interdisciplinary Scientific Visualization	(F20) Engineering Animation, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Milojević Z., Navalusić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray, HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991		


	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>			
Representative references (minimum 5, not more than 10)				
2.	Milojević Z., Navalusić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991			
3.	Bojić S., Golub M., Müller J., Obradović R., Martinov M.: Convective drying of naked seeded oil pumpkin seeds (Cucurbita pepo L.) in a medium scale batch dryer with different modes of air circulation., Zeitschrift für Arznei- und Gewürzpflanzen, 2012, Vol. 17, No 3, pp. 108-115, ISSN 1431-9292			
4.	Obradović R., Popkonstantinović B., Beljin B.: Algorithm for Approximation Transitional Developable Surfaces Between two Polygons, rad je u štampi, Technics Technologies Education Management / TTEM, 2012, Vol. 7, No 4, ISSN 1840-1503			
5.	Obradović R., Petter O., Vidaković M., Popkonstantinović B., Popović B., Milojević Z.: Using Contemporary 3D Web Technologies in the Process of CAD Model Design (prihvaćen za objavljivanje u 2013), Technics Technologies Education Management, 2013, Vol. 8, No 1, 2/3, ISSN 1840-1503			
6.	Obradović R., Vujanović M., Popkonstantinović B., Šiđanin P., Beljin B., Kekeljević I.: Fine Arts Subjects at Computer Graphics Studies at the Faculty of Technical Sciences in Novi Sad, rad je u štampi, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 1, ISSN 1840-1503			
7.	Obradović R., Obradović M., Mišić S., Popkonstantinović B., Petrović M., Malešević B.: Investigation of Concave Cupolae Based Polyhedral Structures and Their Potential Application in Architecture, rad je u štampi, Technics Technologies Education Management / TTEM, 2013, Vol. 8, No 3, ISSN 1840-1503			
8.	Milojević Z., Navalusić S., Obradović R., Milankov M., Dragoi M., Beju L.: System for 3D Approximate Model Generation of the Femur and Screw Built into Human Knee, Academic Journal of Manufacturing Engineering – AJME, 2010, Vol. 8, No 1, pp. 73-78, ISSN 1583-7904			
9.	Obradović R.: The Plane Section of the Surface of Revolution, Facta universitatis - series: Architecture and Civil Engineering, 2005, Vol. 3, No 2, pp. 235-242, ISSN 0354-4605, UDK: 514.752.2:681.3.06(045)=20			
10.	Obradović R., Milojević Z.: Plane section of cone and cylinder in computer geometry, Facta universitatis - series: Architecture and Civil Engineering, 2005, Vol. 2, No 3, pp. 195-207, ISSN 0354-4605			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	50			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	0	International :	1

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES	
	Production Engineering	

Science, arts and professional qualifications



Name and last name:		Obradović J. Đorđe	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 01.07.1998	
Scientific or art field:		Applied Computer Science and Informatics	
Academic career	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2011		Applied Computer Science and Informatics
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E236A	Computational Intelligence Fundamentals	(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.	E2K40A	Soft Computing	(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.	ISIT26	Upravljanje projektima	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
4.	ISIT30	Business process management systems	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
5.	ISIT41	eGovernment technologies and systems	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
6.	SE0006	Object oriented programming 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SE0013	Data Organization	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	E2511	Fuzzy Systems	(E20) Computing and Control Engineering, Master Academic Studies (ES0) Power Software Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
10.	E2512	Neural Networks	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	EP002	EBusiness technologies and systems	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
12.	E2536	Mobile Application Development	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
13.	DRNI07	Selected Chapters in Computational Intelligence	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	DRNI14	Selected Chapters in Machine Learning	(E20) Computing and Control Engineering, Doctoral Academic Studies
15.	DRNI17	Selected Topics in ICT enhanced learning	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DRNI18	Selected Topics in Distributed/Mobile computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Konjović Z., Obradović Đ., Racković M., Object oriented implementation of the neural network training system, Proc. Of Seventh IFSA '97 World Congress, Prague 1997.		
2.	Obradović Đ. Jovanović D., Konjović Z., Govedarica M., Web based software system supporting detection of topographical symbols, InterGeoEast 2006.		
3.	Obradović Đ. Racković M., Algorithmic Structure for Representation of the Various Neural Network Models, XI Conference on Applied Mathematics PRIM '96 Budva 1996.		
4.	Konjović Z., Fiš I., Obradović Đ., "Specification of the language for reporting in library information system", YuInfo'98, Kopaonik 1998.		
5.	Obradović Đ., Konjović Z., "The system for the computer supported testing students knowledge", YuInfo'99, Kopaonik 1999.		
6.	Šolajić D., Obradović Đ., Konjović Z., "Reengineering in the anthropomorphic gait simulation system", PRIM 2000		
7.	Obradović Đ., Konjović Z., "Anthropomorphic Gait Simulation System", PRIM 2000		
8.	Obradović Đ., Šolajić D., Konjović Z. "Softverski sistem za administriranje procesa izvođenja nastave", YUINFO 2004		
9.	Šolajić D., Obradović Đ., Konjović Z., "Web bazirana aplikacija za podršku razvoju softverskog projekta" YUINFO 2004		
10.	Jovanović D., Obradović Đ., Konjović Z., Govedarica M., Softverski sistem za detekciju topografskih znakova na kartama i mapama, YuInfo, Kopaonik 2005.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0 International : 0

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



Name and last name:		Okanović Đ. Dušan	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.02.2004	
Scientific or art field:		Applied Computer Science and Informatics	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Computer Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E233	Internet Networks	(E20) Computing and Control Engineering, Undergraduate Academic Studies (G10) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	ISIT23	Web Programming	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
3.	ISIT30	Business process management systems	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
4.	ISIT34	Identity Management	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
5.	ISIT36	Software Development Tools	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
6.	ISIT43	Configuration and Administration of Computer Systems	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
7.	ISIT45	eTrade and eBanking technologies and systems	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
8.	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
9.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
10.	EP007	Document and content management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	AD0008	Web design in Architecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
12.	E2522	Software Standardization and Quality	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production Engineering		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
13.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Okanović D., van Hoorn A., Konjović Z., Vidaković M.: SLA-Driven Adaptive Monitoring of Distributed Applications for Performance Problem Localization, Computer Science and Information Systems (ComSIS), 2012, ISSN 1820-0214		
2.	Dušan Okanović, Zora Konjović, Automatska inicijalizacija klasa iz XML datoteke, Zbornik radova YU INFO 2005 (CD), Kopaonik 2005.		
3.	Dušan Okanović, Milan Vidaković, Upotreba JMX MLet servisa za ažuriranje verzija Java aplikacija, Zbornik radova YU INFO 2007 (CD), Kopaonik 2007.		
4.	Đorđe Obradović, Milan Vidaković, Zora Konjović, Dušan Okanović, "Generator ekranskih formi za JBoss Seam bazirane aplikacije", Zbornik radova YU INFO 2008 (CD), Kopaonik 2008.		
5.	Dušan Okanović, Milan Vidaković, "Primena jBPM okruženja u implementaciji eUprave", Zbornik radova YU INFO 2009 (CD), Kopaonik 2009.		
6.	Valentin Penca, Siniša Nikolić, Dušan Okanović, "Detekcija Skype saobraćaja sistemom za detekciju upada u mrežu Snort", Zbornik radova YU INFO 2009 (CD), Kopaonik 2009.		
7.	Okanović D., Vidaković M.: Software Performance Prediction Using Linear Regression, 2. International Conference on Information Society Technology and Management, Kopaonik, 29 mart-3 februar, 2012		
8.	Okanović D., van Hoorn A., Konjović Z., Vidaković M.: Towards Adaptive Monitoring of Java EE Applications, 5. International Conference on Information Technology - ICIT, Amman, 11-13 Maj, 2011, ISBN 9957-8583-0-0		
9.	Okanović D., Konjović Z., Vidaković M.: Continuous Monitoring System for Software Quality Assurance, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad, 14-16 Septembar, 2011		
10.	Okanović D., Vidaković M.: One Implementation of The System for Application Version Tracking and Automatic Updating, Proceedings of the IASTED International Conference on Software Engineering - SE 2007, Innsbruck, 12-14 februar 2008.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	0 International : 0

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

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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
12.	ZRD235	Systemic regulation in the field of occupational safety and health	(Z01) Safety at Work, Doctoral Academic Studies
13.	ZRD236	State and development of health and safety at work in the field of electrical engineering	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Vasić V., Marčetić D., Oros Đ.: Prediction of Local Instabilities in Open-loop Induction Motor Drives, COMPEL - The international journal for computation and mathematics in electrical engineering, 2010, Vol. 29, No 3, ISSN 0332-1649		
2.	Đura V. Oros, Veran V. Vasić, Darko P. Marčetić: NFO sensorless induction motor drive with on-line stator resistance parameter update, Electric Power Components and Systems, 2008, Vol. 36, No. 12, str. 1318- 1336, ISSN 1532-5008.		
3.	Oros Đ., Vasić V., Marčetić D., Kulić F.: Influence of parameters detuning on induction motor NFO shaft-sensorless scheme, Journal of Advances in Electrical and Computer Engineering, 2010, Vol. 10, No 4, pp. 121-124, ISSN 1582-7445		
4.	Reljić D., Vasić V., Oros Đ.: Power factor correction and harmonics mitigation based on phase shifting approach, 15. International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia, pp. DS3b.12-1 - 12-8, ISBN: 978-1-4673-1971-3, IEEE catalog number CFP 1234A-USB		
5.	Dumnić B., Oros Đ., Milićević D., Matić D., Vasić V.: Vector Control of Induction Generator with Parallel Stator Resistance and Rotor Speed Estimation, 31. Power Electronics, Intelligent Motion, Power Quality PCIM, Nuremberg: Mesago PCIM GmbH, 4-6 Maj, 2010, pp. 608-612, ISBN 978-3-8007-3229-6		
6.	Vasić V., Marčetić D., Oros Đ., Kulić F.: Prediction of local instabilities caused by inverter dead time in AC drive, 13. European Conference on Power Electronics and Applications, Barselona, 8-10 Septembar, 2009, ISBN 9789075815009		
7.	Francuski Lj., Kulić F., Dumnić B., Oros Đ.: Fuzzy PI Controller for Vector Control of Induction Machine, 9. NEUREL- Symposium on Neural Network Applications in Electrical Engineering, Beograd: IEEE SCG Section, CAS - SP Chair, 25-27 Septembar, 2008, pp. 207-210, ISBN 978-1-4244-2903-5		
8.	Reljić D., Vasić V., Oros Đ.: Power Quality Considerations of Variable Speed AC Drives, A Simulation Study, Paper No. T6-2.4, pp. 1-5,, 16. International Symposium on Power Electronics – Ee, Novi Sad, 26-28 Oktobar, 2011, ISBN 978-86-7892-355-5		
9.	Reljić D., Milićević D., Adžić E., Dumnić B., Grabić S., Porobić V., Vekić M., Ivanović Z., Katić V., Vasić V., Marčetić D., Oros Đ., Čorba Z.: Modern Laboratory Tools for Experimental Research in the Field of Electric Drives, 15. International Symposium on Power Electronics Ee, Novi Sad: Društvo za energetska elektroniku-Novu Sad, Elektrotehnički institut "Nikola Tesla"-Beograd, Fakultet tehničkih nauka-Novu Sad, 28-30 Oktobar, 2009, pp. 1-5, ISBN 978-86-7892-208-4		
10.	Ostojić D., Vasić V., Đujić D., Oros Đ.: The Influence of Parameter Mismatch on Natural Field Orientation Controlled Induction Motor Speed Estimation, 1. International Conference on Power Electronics and Intelligent Control for EnergyConservation, Varšava, 6-19 Oktobar, 2005		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		3	
Total of SCI(SSCI) list papers :		4	
Current projects :		Domestic :	1 International : 0



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES	
	Production Engineering	



Science, arts and professional qualifications


Name and last name:	Perišić R. Branko		
Academic title:	Associate Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 01.04.1983		
Scientific or art field:	Applied Computer Science and Informatics		
Academic career	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Education Specialist Thesis	2007	Software Engineering Institute at Carnegie Mellon University - Pittsburgh	Computer Science
Education Specialist Thesis	2004	Software Engineering Institute at Carnegie Mellon University - Pittsburgh	Computer Science
PhD thesis	1994	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1986	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1977	Faculty of Electrical Engineering - Sarajevo	Electrical and Computer Engineering

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

	ID	Course name	Study programme name, study type
1.	E235	Fundamentals of Information Systems and Software Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E242	Software Specification and Modeling	(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.	E2S40	Software Patterns and Components	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	RI45	Software Design	(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
5.	RI53	Business Information Systems	(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
6.	ISIT22	Osnove baza podataka	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
7.	ISIT26	Upravljanje projektima	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
8.	ISIT28	Informaciona bezbednost	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
9.	ISIT2E	Osnove projektovanja softvera	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
10.	ISIT33	Integracija i verifikacija softverskih aplikacija	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
11.	SE0011	Introduction to Software Engineering	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
12.	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
13.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
14.	SES40	Software patterns and components	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	E2508	Agile Software Development Methodology	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies		
16.	E2509	Protection and Recovery of Software Systems	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
17.	GS014	The application of information technologies in energy efficiency	(G10) Energy Efficiency in Buildings, Specialised Academic Studies		
18.	E2522	Software Standardization and Quality	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
19.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies		
20.	DRNI08	Selected Topics in Information Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies		
21.	DAU014	Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies		
22.	DRNI12	Selected Topics in Contemporary Software Development Methods	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	B. Perišić, G. Milosavljević "A Method and Tool for Rapid Prototyping of Large Scale Business Information Systems" COMSIS 2004				
2.	Perišić B., Milosavljević G., Dejanović I., Milosavljević B.: UML Profile for Specifying User Interfaces of Business Applications, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 2, pp. 405-426, ISSN 1820-0214				
3.	Dejanović I., Milosavljević G., Tumbas Živanov M., Perišić B.: A Domain-Specific Language for Defining Static Structure of Database Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 3, pp. 409-440, ISSN 1820-0214				

	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
4.	Branko Perišić "DMIS-Distributed Medical Information System Concept&Structure", SystemScienceJournal NO.1 Vol.13 1987		
5.	Dejanović I., Perišić B., Milosavljević G., Stričević N.: Towards a foundation for distributed version control of SLE artifacts. In 3rd International Workshop on Model-Based Software and Data Integration		
6.	Milosavljević G., Dejanović I., Perišić B.: Ready for the industry: A practical approach to teaching mde. In 7th Educators Symposium@MODELS 2011: Software Modeling in Education, pages 31-40, Wellington, New Zealand, www.se.uni-oldenburg.de/documents/olnse-2-2011-EduSymp.pdf		
7.	Milosavljević G., Dejanović I., Perišić B., Milosavljević B.: UML Profile for Specifying User Interfaces of Business Applications, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 77-94		
8.	Dejanović I., Tumbas Živanov M., Milosavljević G., Perišić B.: Comparison of Textual and Visual Notations of DOMMLite Domain-Specific Language, 14. Advances in Databases and Information Systems, Novi Sad, 20-24 Septembar, 2010, pp. 20-24		
9.	G.Milosavljević, B.Perišić "Really Rapid Prototyping of Large-Scale Business Information Systems", IEEE Workshop on Rapid Systems Prototyping San Diego 2003		
10.	Perišić B., Zečević I.: Program package University organizational structure Korisnik: FTN Novi Sad, Univerzitet u Novom Sadu Rađeno za: TEMPUS , 2007		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		12	
Total of SCI(SSCI) list papers :		4	
Current projects :		Domestic :	International :
		1	6

	<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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:		Pilić M. Branka	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technology - Novi Sad 01.10.2000	
Scientific or art field:		Technological Engineering	
Academic career	Year	Institution	Field
Academic title election:	2011	Faculty of Technology - Novi Sad	Technological Engineering
PhD thesis	2006	Faculty of Technology - Novi Sad	Technological Engineering
Magister thesis	2001	Faculty of Technology - Novi Sad	Technological Engineering
Bachelor's thesis	1991	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.	P3402	Physical and Phase States of Polymers	(P00) Production Engineering, Undergraduate Academic Studies
2.	DP026	Modern methods for polymers investigation	(M00) Mechanical Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Bera, O., Pavličević, B., Jovičić, M., Stojiljković, D., Pilić, B., Radičević, R., The influence of nanosilica on styrene free radical polymerization kinetics, Polymer Composites, Vol 33 (2012), pp 262-266.		
2.	Bera, O., Pilić, B., Pavličević, J., Jovičić, M., Holo, B., Mészáros Szécsényi, K., Špirkova, M.: Preparation and thermal properties of polystyrene/silica nanocomposites, Thermochimica Acta, 2011, Vol. 515, pp. 1-5, ISSN 0040-6031.		
3.	Bjelović Z., Ristić I.S., Budimski-Simendić J., Jovičić M., Pavličević J., Pilić B., Cakić S., Ispitivanje kinetike reakcije dobijanja poliuretana na osnovu različitih tipova diizocijanata i ricinusovog ulja, Hemijska industrija 2012 doi 10.2298/HEMIND 111216014B, 123/135.		
4.	Balos, S., Balos, T., Sidjanin, L., Markovic, D., Pilic, B., Pavlicevic, J., Study of PMMA biopolymer properties treated by microwave energy, Materiale Plastice, 2011, Vol 48, No 2, pp 127-131.		
5.	Baloš, S., Baloš, T., Šidjanin, L., Marković, D., Pilić, B., Pavličević, J.: Flexural and Impact Strength of Microwave Treated Autopolymerized Poly (Methyl - Methacrylate), Materiale Plastice, 2009, Vol. 46, pp. 261-265, ISSN 0025-5289.		
6.	Stojiljković D., Pilić B., Bulajić M., Đurasović N., Ostrovskii N., The charge percolation mechanism and simulation of Ziegler-Natta polymerizations, Part VII, Effects of chromium active centers distribution on silica on the polymerization of ethylene, Journal of the Serbian Chemical Society, 73 (1), 2008, pp 97-111		
7.	Stojiljković D., Pilić B., Bulajić M., Đurasović N., Ostrovskii N. Naziv, The charge percolation mechanism and simulation of Ziegler-Natta polymerizations, Part VI. Mechanism of ethylene polymerization by supported chromium oxide, Journal of the Serbian Chemical Society 72 (11), 2007, pp 1155-1169		
8.	Pilic B., Stojiljkovic D., Bakocevic I., Jovanovic S., Panic D., Korugic-Karasz Lj., The charge percolation mechanism and simulation of Ziegler-Natta polymerization, Part III, Oxidation states of transition metals, Journal of the Serbian Chemical Society 71 (4), 2006, pp 357-372		
9.	Pilic B., Stojiljovic D., Bakocevic I., Jovanovic S., Panic D., Korugic-Karasz Lj., Polymer Structure Prediction by Computer Simulation of Ziegler-Natta Polymerization based on Charge Percolation Mechanism, Material Science Forum Vol 518,2006, pp 381-386		
10.	Pilic B., Stojiljkovic D., Bakocevic I., Jovanovic S., Panić D., Korugic-Karasz Lj., New percolation theory and simulation of Ziegler-Natta polymerization, Part II, Importance of support nano-particles, in Korugic-Karasz Lj., MacKnight W. and Martuscelli E., Editors "New Polymeric Materials", ACS Symposium Series 916, Ch. 16, 2005, pp 215-228,		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		3	
Total of SCI(SSCI) list papers :		11	
Current projects :		Domestic :	International :
		2	1

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

Name and last name:		Plančak E. Miroslav	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.01.1975	
Scientific or art field:		Plastic Deformation Technology, Rapid Prototyping, Virtual	
Academic career	Year	Institution	Field
Academic title election:	1995	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	1985	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	1979	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology
Bachelor's thesis	1969	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IA016	Introduction to Virtual Reality Technology	(F10) Engineering Animation, Undergraduate Academic Studies
2.	P207	Metal forming	(P00) Production Engineering, Undergraduate Academic Studies
3.	P2401	Advanced Methods in Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
4.	P2413	Computer Aided Design of Tools and Dies for Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
5.	P303	Machines for Processing by Deforming	(P00) Production Engineering, Undergraduate Academic Studies
6.	P3403	Technology of Plastic Forming - Shaping of plastic material	(P00) Production Engineering, Undergraduate Academic Studies
7.	P3503	Machines and Devices for Plastic Processing	(P00) Production Engineering, Undergraduate Academic Studies
8.	BM119D	Reverse engineering and rapid prototyping in biomedical engineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	M2062	Mechanical engineering technologies 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
10.	P2407	Rapid Prototyping and Rapid Tooling	(PM0) Production Engineering, Master Academic Studies
11.	P3501	Tool Designing for Plastic	(PM0) Production Engineering, Master Academic Studies
12.	P3503A	Contemporary Process Systems for Plastic Treatment	(PM0) Production Engineering, Master Academic Studies
13.	NIT01	Innovative Product Development	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
14.	BMIM4B	Technologies of shaping biomedical materials	(BM0) Biomedical Engineering, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
15.	MIA11	Machines and dies for powder forming	(PM0) Production Engineering, Master Academic Studies
16.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
17.	PMISP1	Modelling and Simulation of Metal Forming Processes	(PM0) Production Engineering, Master Academic Studies
18.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	DP005	State and Tendencies in Development of Metrology, Quality and Equipment	(M00) Mechanical Engineering, Doctoral Academic Studies
21.	DP008	Contemporary Methods and TPD Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
22.	DP012	Physical Modelling and TPD Simulation by Computers	(M00) Mechanical Engineering, Doctoral Academic Studies
23.	DP015	Nonconventional Procedures of Forming in TPD	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	DP027	Advanced technologies of plastics packaging manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
25.	DP029	Advanced Development of Polymeric Products	(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> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
1.	Essa K., Kacmarcik I., Hartley P., Plancak M., Vilotic D.: Upsetting of bi-metallic ring billets, Journal of Materials Processing Technology, 2012, Vol 212, Nr 4, pp. 817-824, ISSN/ISBN: 0924-0136		
2.	Vilotić D., Plančak M., Čupković Đ., Aleksandrov S., Aleksandrov N.: Free Surface Fracture in Three Upsetting Tests, Experimental Mechanics, 2006, Vol 46, pp. 115-120, ISSN: 0014-4851		
3.	Plančak M., Bramley A. N., Osman F. H.: Some observation on contact stress measurement by pin load cell in bulk metal forming, Journal of Material and Processing Technology 60, 1996, pp. 339-342, ISSN/ISBN: 0924-0136		
4.	Plančak M., Bramley A. N., Osman F. H.: Non conventional cold extrusion, Journal of Material and Processing Technology 34, 1992, pp. 465-472, ISSN/ISBN: 0924-0136		
5.	Hiroši I., Plančak M.: Coining process as a means of controlling surface microgeometry, Journal of Material Processing Technology, Vol 80-81, 1998, pp. 101-107, ISSN/ISBN: 0924-0136		
6.	Plančak M., Vollertsen F., Woitschig J.: Analysis, finite element simulation and experimental investigation of friction in tube hydroforming, Journal of Material Processing Technology, Vol. 170, Issue I-2, 2005, pp.220-228, ISSN/ISBN: 0924-0136		
7.	Vollertsen F., Plančak M.: On possibilities for the determination of the coefficient of friction in hydroforming of tubes, Journal of Material processing Technology, Vol 125-126, 2002, pp. 412-420, ISSN/ISBN: 0924-0136		
8.	Plančak M.: Stress distribution within specimen in cold forward extrusion of steel, Journal of Materials Processing Technology, Vol 24, 1990, pp. 387-394, ISSN/ISBN: 0924-0136		
9.	Vilotic D., Alexandrov S., Plancak M., Vilotic M., Ivanisevic I., Kacmarcik I.: Material Formability at Upsetting by Cylindrical and Flat Dies, Steel Research International Special Issue, 2012, pp. 1175-1178, ISSN: 1611-3683		
10.	Plancak M., Hartley P., Essa K., Vilotic D., Movrin D., Luzanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International Special Issue, 2012, pp. 1247-1250, ISSN/ISBN: 1611-3683		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		92	
Total of SCI(SSCI) list papers :		23	
Current projects :		Domestic :	1
		International :	2

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



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

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



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



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES				Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
21.	HDOK11	Advanced Application of ICT in Agriculture	(H00) Mechatronics, Doctoral Academic Studies		
22.	HDOL11	Advanced application of ICT in agriculture	(H00) Mechatronics, Doctoral Academic Studies		
23.	ZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	(Z00) Environmental Engineering, Doctoral Academic Studies		
24.	ZDO03	Applied Analysis of Physical and Chemical Parameters	(OM1) Mathematics in Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Turk Sekulić M., Radonić (Jakšić) J., Đogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidisciplinary Approaches, Singapur, World Scientific, 2008, str. 284-295, ISBN 978-981-283-439-3				
2.	Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Klanova J.: Gas/particle partitioning of persistent organic pollutants generated during the war accident in Serbia , Environmental Science and Pollution Research, 2009, Vol. 16, No 1, pp. 65-72, ISSN 0944-1344				
3.	Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Klanova J.: Post-war levels of persistent organic pollutants (POPs) in air from Serbia determined by active and passive sampling methods , Environmental Chemistry Letters, 2007, Vol. 5, No 3, pp. 109-113, ISSN 1610-3653				
4.	Jovčić N., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Popov S.: Identification of emission sources of particle-bound polycyclic aromatic hydrocarbons in the vicinity of the industrial zone of the city of Novi Sad DOI: 10.2298/HEMIND120113062J, Hemijska industrija, 2012, pp. 1-36, ISSN 0367-598X				
5.	Grujić Letić N., Milić N., Turk Sekulić M., Radonić (Jakšić) J., Milanović M., Mihajlović I., Vojinović-Miloradov M.: Quantification of emerging organic contaminants in the Danube River samples by HPLC, Chemicke Listy, 2012, Vol. 106, pp. 264-266, ISSN 1213-7103				
6.	Milić N., Milanović M., Grujić Letić N., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Vojinović-Miloradov M.: Occurrence of antibiotics as emerging contaminant substances in aquatic environment DOI: 10.1080/09603123.2012.733934, INT J ENVIRON HEAL R, 2012, pp. 1-15, ISSN 0960-3123				
7.	Radonić (Jakšić) J., Vojinović-Miloradov M., Turk Sekulić M., Kiurski J., Đogo M., Milovanović D.: The octanol-air partition coefficient, KOA, as a predictor of gas-particle partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls at industrial and urban sites, Journal of Serbian Chemical Society, 2011, Vol. 76, No 3, pp. 447-458, ISSN 0352-5139, UDK: doi: 10.2298/JSC100616037R				
8.	Radonić (Jakšić) J., Čulibrk D., Vojinović-Miloradov M., Kukić B., Turk Sekulić M.: Prediction of gas-particle partitioning of PAHs based on M5' model trees, Thermal Science, 2011, Vol. 15, No 1, pp. 115-124, ISSN 0354-9836, UDK: doi: 10.2298/TSCI100809005R				
9.	Turk Sekulić M., Radonić (Jakšić) J., Vojinović-Miloradov M., Šenk N., Okuka M.: Assessment of Atmospheric Distribution of Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons Using Polyparameter Model, Hemijska industrija, 2011, Vol. 65, No 4, pp. 371-380, ISSN 0367-598X, UDK: 504.5(497.11):547.621				
10.	Vojinović-Miloradov M., Turk Sekulić M., Radonić (Jakšić) J., Mihajlović I., Stošić M.: Emerging substances of concern – a shift in traditional thinking, 1. Environmental Protection of Urban and Suburban Settlements, Novi Sad: Ecological Movement of Novi Sad, 21-24 Septembar, 2011, pp. 265-271, ISBN 978-86-83177-44				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			0		
Total of SCI(SSCI) list papers :			2		
Current projects :			Domestic :	3	International : 3

	<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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



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



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

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation</p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES Production 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	20BAAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	D0M02	Partial Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M38	Non-linear Equations and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M39	Optimization Methods and Mathematical Modelling	(OM1) Mathematics in Engineering, Doctoral Academic Studies



	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production 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 (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.	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

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



Name and last name:		Sekulić Lj. Milenko	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 14.03.1994	
Scientific or art field:		Processes for Material Removal Processing	
Academic career	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Processes for Material Removal Processing
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P1406	Theory of Machining Processes	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1507	Inovational Technologies	(P00) Production Engineering, Undergraduate Academic Studies
3.	P208	Technology for Cutting Processing	(P00) Production Engineering, Undergraduate Academic Studies
4.	P305	Nonconventional Procedures in Processing	(P00) Production Engineering, Undergraduate Academic Studies
5.	P4410	Design and Product Functionality	(P00) Production Engineering, Undergraduate Academic Studies
6.	P316A	Technology for Microcutting Processes	(P00) Production Engineering, Undergraduate Academic Studies
7.	P1501	Ecological Technologies and Systems	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
8.	P1505	Modelling and Simulation in Processing	(PM0) Production Engineering, Master Academic Studies
9.	P1509	Highly Productive Processing	(PM0) Production Engineering, Master Academic Studies
10.	P3502	Mold and die machining technology	(PM0) Production Engineering, Master Academic Studies
11.	P4410A	Production Design	(PM0) Production Engineering, Master Academic Studies
12.	PP101	Intelligent Forming Processes	(PM0) Production Engineering, Master Academic Studies
13.	ZRMI2A	Product safety and user/consumer protection	(Z01) Safety at Work, Master Academic Studies
14.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
15.	DP002	State and Trend in Forming by Material Removal	(M00) Mechanical Engineering, Doctoral Academic Studies
16.	DP009	Artificial Intelligence Application in Forming by Material Removal	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DP020	State and Tendencies in Development of Unconventional Forming Processes	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP021	Selected Chapters in Micro and Nano Forming by Material Removal	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	ZRD211	Sustainable design and product safety	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Gostimirović M., Kovač P., Sekulić M., Škorić B.: Influence of discharge energy on machining characteristics in EDM, J MECH SCI TECHNOL, 2012, Vol. 26, No 1, pp. 173-179, ISSN 1738-494X		
2.	Cukor G., Jurković Z., Sekulić M.: Rotatable Central Composite Design of Experiments versus Taguchi Method in the Optimization of Turning, Metalurgija, 2011, Vol. 50, No 1, pp. 17-20, ISSN 0543-5846		
3.	Gostimirović M., Sekulić M., Kopač J., Kovač P.: Optimal Control of Workpiece Thermal State in Creep-Feed Grinding Using Inverse Heat Conduction Analysis, Strojinski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 10, pp. 730-738, ISSN 0039-2480		
4.	Gostimirović M., Kovač P., Sekulić M.: An inverse heat transfer problem for optimization of the thermal process in machining, Indian Academy of Sciences, Sadhana - Academy Proceedings in Engineering Science, 2011, Vol. 36, No 4, pp. 489-504, ISSN 0256-2499		
5.	Gostimirović M., Kovač P., Škorić B., Sekulić M.: Effect of Electrical Pulse Parameters on the Machining Performance of EDM, INDIAN J ENG MATER S, 2011, Vol. 18, No 6, pp. 411-415, ISSN 0971-4588		



	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>			
Representative references (minimum 5, not more than 10)				
6.	Sekulić M., Jurković Z., Hadžistević M., Gostimirović M.: The influence of mechanical properties of workpiece material on the main cutting force in face milling, <i>Metalurgija</i> , 2010, Vol. 49, No 4, pp. 339-342, ISSN 0543-5846			
7.	Sekulić M., Kovač P., Gostimirović M.: Drilling cutting forces monitoring using virtual instrumentation, Central European Exchange Program for University Studies, Cracow University of Technology, Technical University of Košice, 2009, str. 31-36, ISBN 978-83-7242-509-6			
8.	Kovač P., Gostimirović M., Sekulić M., Pižurica N.: The Internet/Intranet Application for Cutting Regime Setting, <i>Journal of Machine Engineering</i> , 2010, Vol. 10, No 2, pp. 18-24, ISSN 1895-7595			
9.	Sekulić M., Kovač P.: Modelling of components of resultant force during face milling, <i>Journal of Machine Engineering</i> , 2008, Vol. 8, No 2, pp. 65-72, ISSN 1895-7595			
10.	Milikić, D., Sekulić, M., Gostimirović, M., Uzelac, S. Naziv: Uticaj trenja i poprečnog sečiva burgije na položaj i veličinu sila rezanja Naziv časopisa: Časopis Jugoslovenskog društva za tribologiju TRIBOLOGIJA U INDUSTRIJI, 1999.			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	40			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	1	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>UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>		
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Science, arts and professional qualifications

Name and last name:		Sladić S. Goran	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.02.2004	
Scientific or art field:		Applied Computer Science and Informatics	
Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Computer Science
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Computer Science
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Computer Science
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E239A	Web Programming	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E2E41	E-Business Systems Security	(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.	E2K41	Distributed Artificial Intelligence and Intelligent Agents	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	EOS36	Elektronsko poslovanje i ugovaranje	(E01) Power Engineering - Renewable Sources of Electrical Energy, Undergraduate Professional Studies
5.	F501	WEB Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies
6.	ISIT10	Introduction to Software Development	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
7.	ISIT20	Object-oriented Programming Platforms	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
8.	ISIT2A	Software Development Techniques	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
9.	SE0006	Object oriented programming 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
10.	SE0014	Computer organisation	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies



		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
11.	SE0017	Software Development Metrodologies	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
12.	SE0024	Software Construction and Testing	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
13.	SES103	Oral and written communication skills	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
14.	E2501	Electronic Payment Systems	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies		
15.	EP007	Document and content management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies		
16.	E2522	Software Standardization and Quality	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies		
17.	SEM009	Identity Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies		
18.	SEM013	E-government technologies	(SE0) Software Engineering and Information Technologies, Master Academic Studies		
19.	SEM017	Information Security	(SE0) Software Engineering and Information Technologies, Master Academic Studies		
20.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies		
21.	DRNI16	Selected Topics in Electronic Business	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies		
22.	DRNI19	Selected Topics in Information Security	(E20) Computing and Control Engineering, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Sladić G., Milosavljević B., Surla D., Konjović Z.: Flexible Access Control Framework for MARC Records, The Electronic Library, 2012, Vol. 30, No 5, pp. 623-652, ISSN 0264-0473, DOI:10.1108/02640471211275684				
2.	Gostojić S., Sladić G., Milosavljević B., Konjović Z.: Context-sensitive Access Control Model for Government Services, Journal of Organizational Computing and Electronic Commerce, 2012, Vol. 22, No 2, pp. 184-213, ISSN 1091-9392, DOI:10.1080/10919392.2012.667717				
3.	Sladić G., Milosavljević B., Konjović Z., Vidaković M.: Access Control Framework for XML Document Collections, Computer Science and Information Systems (ComSIS), 2011, Vol. 8, No 3, pp. 591-609, ISSN 1820-0214, DOI: 10.2298/CSIS100827002S				
4.	Vidaković M., Milosavljević B., Konjović Z., Sladić G.: Extensible Java EE-Based Agent Framework and Its Application on Distributed Library Catalogues, Computer Science and Information Systems (ComSIS), 2009, Vol. 6, No 2, pp. 1-28, ISSN 1820-0214, DOI: 10.2298/cs0902001V				
5.	Sladić G., Milosavljević B., Konjović Z.: Extensible Access Control Model for XML Document Collections, 1. International Conference on Security and Cryptology - SECRYPT, Barcelona: INSTICC, 28-31 Jul, 2007, pp. 373-380, ISBN 9789898111128				
6.	Sladić G.: Kontrola pristupa u poslovnim sistemima, Beograd, Zadužbina Andrejević, 2011, ISBN 978-86-525-0000-0				
7.	Sladić G.: Kontrola pristupa XML dokumentima, Zadužbina Andrejević, 2008, ISBN 978-86-7244-683-8				

	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
8.	Vidaković M., Sladić G., Komazec S.: Sistemi za upravljanje elektronskim sadržajima i njihova primena u e-upravi, InfoM, Časopis za informacionu tehnologiju i multimedijalne sisteme, 2006, No 20, pp. 36-41, ISSN 1451-4397		
9.	Sladić G., Milosavljević B., Konjović Z.: Kontrola pristupa XML dokumentima, Info-M, 2005, Vol. 4, No 15-16, pp. 53-59		
10.	Milosavljević B., Komazec S., Sladić G.: Open source sistemi za upravljanje dokumentima u e-upravi, Info-M, 2006, Vol. 5, No 20, pp. 25-35		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		54	
Total of SCI(SSCI) list papers :		4	
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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications

Name and last name:		Sovilj N. Bogdan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 05.01.1973	
Scientific or art field:		Cutting Processing Tools and Tribology	
Academic carier	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Cutting Processing Tools and Tribology
PhD thesis	1988	Faculty of Technical Sciences - Novi Sad	Cutting Processing Tools and Tribology
Magister thesis	1980	Faculty of Technical Sciences - Novi Sad	Cutting Processing Tools and Tribology
Bachelor's thesis	1972	Faculty of Mechanical Engineering - Novi Sad	Cutting Processing Tools and Tribology
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P1404	Tribodiagnostics and Maintenance	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1502A	Tribology	(P00) Production Engineering, Undergraduate Academic Studies
3.	P302	Tools for Cutting Processing	(P00) Production Engineering, Undergraduate Academic Studies
4.	P4409	Evolution Methods	(P00) Production Engineering, Undergraduate Academic Studies
5.	P1502B	Contemporary Tools in CIM Systems	(PM0) Production Engineering, Master Academic Studies
6.	BMIM4F	Biotribology	(BM0) Biomedical Engineering, Master Academic Studies
7.	PP103	Measurement and tools in precision engineering	(PM0) Production Engineering, Master Academic Studies
8.	SMI003	Software support for cutting tools and fixtures modeling	(PM0) Production Engineering, Master Academic Studies
9.	DM421	Design and Expoitation of Metal Cutting Machine Tools	(M00) Mechanical Engineering, Doctoral Academic Studies
10.	DM422	Tribology	(M00) Mechanical Engineering, Doctoral Academic Studies
11.	ZRD21	Tribodiagnostics and maintenance of tehcnical systems-selected chapters	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Sovilj, B.: Profilni noževi, Novi Sad, Univerzitet u Novom Sadu, Forum OJ Izdavačka delatnost, FTN-Institut za proizvodno mašinstvo, Jugoslovensko društvo za tribologiju, 1995. 268str.,		
2.	Sovilj. B.: Identifikacija triboloških procesa pri odvalnom glodanju, Novi Sad, IPM, FTN, 1988.		
3.	Sovilj B., Sovilj-Nikić I., Ješić D., Measurement Methodology of Characteristics and Election of Materials of Elements of Tribomechanical Systems, Metalurgija, Vol. 50, No. 1, pp. 107-111, 2011, ISSN 0543-5846		
4.	SOVILJ, B., TODIĆ, V., BABIĆ, M., NIKIĆ, Z.: Relationship between tool life and cutting speed by uncoated and coated end milling tool in dependence on wear criterion, Tribology in industry, 1998, Vol. 4, str. 105- 110,		
5.	Sovilj, B., Sovilj-Nikić, I., Ješić, D., The effect of specific relationship between material and coating on tribological and protective features of product, Metalurgija, Vol. 51, No. 1, pp. 21-24, 2012, ISSN 0543-5846		
6.	SOVILJ, B., PRAPOTNIK, B., MITROVIĆ, R., TODIĆ, V.: ,Influence of gearing process on the occurence of cutting edge break by hob milling tools, Tribology in industry, 1999, Vol. 21, No. 2, str. 53- 58,,		
7.	SOVILJ, B., TODIĆ, V., BABIĆ, M., NIKIĆ, Z.: Relationship between tool life and cutting speed by uncoated and coated end milling tool in dependence on wear criterion, Tribology in industry, 1998, Vol. 4, str. 105- 110,,		
8.	SOVILJ, B., PRAPOTNIK, B., MITROVIĆ, R., TODIĆ, V.: ,Influence of gearing process on the occurence of cutting edge break by hob milling tools, Tribology in industry, 1998, Vol. 3, str. 73- 78,,		
9.	SOVILJ B., ZLOKOLICA M., ĐOKIĆ V., SOVILJ-NIKIĆ I.: Identification of tribological processes on uncoated and coated cutting elements of hob milling tools in model and real conditions, 2-nd World Tribology Congress, Vienna, Austria: 2001,		
10.	Sovilj-Nikić, I., Sovilj, B., Kandeve, M., Gajić, V., Sovilj-Nikić, S., Legutko, S., Kovač, P., Tribological characteristics of hob milling tools from economical aspect, Journal of the Balkan Tribological Association, Vol.18, No. 4, pp. 577-585, 2012, ISSN 1310-4772		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		3	
Total of SCI(SSCI) list papers :		3	
Current projects :		Domestic :	1 International : 2

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



Name and last name:		Stojanović M. Goran	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.09.1998	
Scientific or art field:		Electronics	
Academic career	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Electronics
PhD thesis	2005	Faculty of Technical Sciences - Novi Sad	Electronics
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Electronics
Bachelor's thesis	1996	Faculty of Technical Sciences - Novi Sad	Electronics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E122	Introduction to Electronics	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EM421	Characterization and Testing of Microelectronic Circuits	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	BM117A	Medical electronics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
4.	BM117B	Flexible electronics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	BM118D	Modelling and simulation of biophysical processes	(BM0) Biomedical Engineering, Undergraduate Academic Studies
6.	BMI107	Materials and fabrication technologies in medical devices	(BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	EM457	Nanoelectronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	P322	Introduction to Precision Engineering	(P00) Production Engineering, Undergraduate Academic Studies
9.	DE202S	Advanced characterization techniques of electronic materials and components	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE403S	Design and fabrication of passive micro and nano electronic components	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	E1SO01	Modern technologies in electrical engineering	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
12.	EM512	Nanodevices and Nanomaterials	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
13.	SI033	Electronics in medicine	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
14.	I903	Application of microelectromechanical systems	(I10) Industrial Engineering, Master Academic Studies
15.	DE202	Advanced Techniques in Electronic Component and Material Characterization	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
16.	DE403	Design and Fabrication of Passive Micro and Nano Components	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Jerančič N., Vasiljević D., Samardžić N., Stojanović G.: A Compact Inductive Position Sensor Made by Inkjet Printing Technology on a Flexible Substrate, Sensors, 2012, Vol. 12, pp. 1288-1298, ISSN 1424-8220, UDK: 10.3390/s120201288		
2.	Maksimović M., Stojanović G., Radovanović M., Malešev M., Radonjanin V., Radosavljević G., Smetana W.: Application of a LTCC sensor for measuring moisture content of building materials, Construction and Buildings Materials, 2012, Vol. 26, No 1, pp. 327-333, ISSN 0950-0618(02)00045-4, UDK: 10.1016/j.conbuildmat.2011.06.029		
3.	Radonić V., Palmer K., Stojanović G., Crnojević-Bengin V.: Flexible Sierpinski Carpet Fractal Antenna on a Hilbert Slot Patterned Ground, International Journal of Antennas and Propagation, 2012, Vol. 2012, No 980916, pp. 1-7, ISSN 1687-5869, UDK: 10.1155/2012/980916		



	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>				
Representative references (minimum 5, not more than 10)					
4.	Milanović M., Stojanović G., Nikolić Lj., Radovanović M., Škorić B., Miletić A.: Electrical and structural characterisation of nanostructured titania coatings deposited on interdigitated electrode system, Materials chemistry and physics, 2011, Vol. 130, No 1-2, pp. 769-774, ISSN 0254-0584, UDK: 10.1016/j.matchemphys.2011.07.061				
5.	Savić S., Mančić L., Vojisavljević K., Stojanović G., Branković Z., Aleksić O., Branković G.: Microstructural and electrical changes in nickel manganite powder induced by mechanical activation, Materials Research Bulletin, 2011, Vol. 46, No 7, pp. 1065-1071, UDK: 10.1016/j.materresbull.2011.03.008				
6.	Stojanović G., Lečić N., Damjanović M., Živanov Lj.: Electrical and temperature characterization of NiZn ferrites, INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS, 2011, Vol. 35, No 3, pp. 165-176, ISSN 1383-5416, UDK: 10.3233/JAE-2011-1329				
7.	Goran Stojanović, Slavica Savić, Ljiljana Živanov, "Important Role of the Hall Effect Measurement System in a Modified Course of Materials in Electrical Engineering", IEEE Transaction on Education, vol. 52, no. 3, pp. 297- 304, 2009.				
8.	R. Raghavendra, P. Bellew, N. Mcloughlin, G. Stojanović, M. Damjanović, V. Desnica, Lj. Živanov, "Characterization of Novel Varistor+Inductor Integrated Passive Devices," IEEE Electron Devices Letters, vol. 25, no. 12, pp. 778-780, December 2004.				
9.	G. Stojanović, "Nanoelektronika i primena nanomaterijala", Edicija tehničke nauke - Udžbenici, FTN Izdavaštvo (338), Novi Sad, 2012.				
10.	G. Stojanović, Lj. Živanov, "Materijali u elektrotehnici", Edicija Tehničke Nauke - Udžbenici, FTN izdavaštvo, Novi Sad, 2007.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :		78			
Total of SCI(SSCI) list papers :		22			
Current projects :		Domestic :	2	International :	2

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES	
	Production Engineering	



Science, arts and professional qualifications



Name and last name:		Šafranĳ F. Jelisaveta	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.10.2000	
Scientific or art field:		English	
Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	English
PhD thesis	2008	Faculty of Philology - Beograd	English
Magister thesis	2000	Faculty of Philology - Beograd	English
Education Specialist Thesis	1994	Faculty of Philology - Beograd	English
Bachelor's thesis	1982	Faculty of Philosophy - Novi Sad	English
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	AEJ1L	English Language - Elementary	(A00) Architecture, Undergraduate Academic Studies
2.	AEJ2L	English Language intermediate	(A00) Architecture, Undergraduate Academic Studies
3.	AEJ2Z	English intermediate	(A00) Architecture, Undergraduate Academic Studies
4.	AEJ3Z	English Language - upper intermediate	(A00) Architecture, Undergraduate Academic Studies
5.	EJ01L	English Language – Elementary	(G00) Civil Engineering, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	EJ01Z	English Language - Elementary	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
7.	EJ02L	English Language – Pre-Intermediate	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (F00) Graphic Engineering and Design, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
8.	EJ02Z	English Language – Pre-Intermediate	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
9.	EJ03Z	English Language - Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
10.	EJ04L	English Language – Upper Intermediate	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies		
11.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		

		UNIVERSITY OF NOVI SAD			
		FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
		Study Programme Accreditation			
		UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
12.	EJ2L	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
13.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies		
14.	EJ3L	English Language – Advanced	(E20) Computing and Control Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies		
15.	EJE5	English Language – First Certificat 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
16.	EJE6	English Language - First Certificate 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
17.	EJEI	English Language for Engineers	(H00) Mechatronics, Undergraduate Academic Studies		
18.	EJEI1	English in Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
19.	EJEI2	English in Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies		
20.	EJF5	English Language for GRID 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
21.	EJF6	English Language for GRID 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies		
22.	EJGR	English Language – ESP Course	(G00) Civil Engineering, Undergraduate Academic Studies		
23.	EJM	English Language – ESP Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies		
24.	EJPST	English Language in Postal Traffic	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies		
25.	EJSIT	English Language in Traffic and Transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies		



	UNIVERSITY OF NOVI SAD		
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation		
UNDERGRADUATE ACADEMIC STUDIES		Production Engineering	
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	ISIT01	English Language 1	(SII) Software and Information Technologies (Indija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
35.	ETI15	Engleski jezik - srednji	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
36.	ETI20	Engleski jezik - napredni	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
37.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
38.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies (AH0) Architecture, Master Academic Studies
39.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies
40.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
41.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies
42.	NIT03	Business English	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
Representative references (minimum 5, not more than 10)			

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES Production Engineering		
Representative references (minimum 5, not more than 10)			
1.	Analiza diskursa udžbenika engleskog jezika, Monografija, Zadužbina Andrejević, Beograd 2006.		
2.	Retorička organizacija poslovne vesti, Monografija, Zadužbina Andrejević, Beograd 2009.		
3.	Engleski jezik za GRID 3 - Academic Writing for Graphic Engineering and Design, FTN Izdavaštvo, Novi Sad 2012.		
4.	Using Internet in English Language Teaching, NEW EDUCATIONAL REVIEW, (2011), vol. 26 br. 4, str. 45-59.		
5.	Reflections of English Language Teachers Concerning Computer Assisted Language Learning (Call), NEW EDUCATIONAL REVIEW, (2011), vol. 23 br. 1, str. 269-282.		
6.	Pragmatički aspekt udžbenika engleskog jezika, Pedagogija, 2009, 1, str.133-145.		
7.	Students' Communicative Competence, Zbornik Instituta za pedagoška istraživanja, 2009, 1, str. 180-195.		
8.	Retorička analiza lida poslovne vesti, Zbornik Matice Srpske za filologiju i lingvistiku, 2011, 1, str.191-210.		
9.	Some Aspects of Technical Statements in Power Engineering, Zbornik radova, XI Međunarodni simpozijum Energetska elektronika Ee 2001, str.150-153.		
10.	Genre Analysis of Research Abstract of an Engineering Scientific Paper, In Proceedings of English Language and Literature Studies: Interfaces and Integrations, 10-12 December 2004, Faculty of Philology, Belgrade, pp.365-374.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		20	
Current projects :		Domestic :	0
		International :	1

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

Name and last name:		Škorić N. Branko	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		21.03.1985	
Scientific or art field:		Surface Engineering, Micro and Nano Technologies	
Academic carier	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Surface Engineering, Micro and Nano Technologies
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano
Bachelor's thesis	1984	Faculty of Technical Sciences - Novi Sad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P105	Heat Processing	(P00) Production Engineering, Undergraduate Academic Studies
2.	P110	Casting Technology	(P00) Production Engineering, Undergraduate Academic Studies
3.	P210	Surface Engineering	(P00) Production Engineering, Undergraduate Academic Studies
4.	P211	Devices and Plasma Procedures in Mechanical Engineering	(P00) Production Engineering, Undergraduate Academic Studies
5.	P2402	Designing of Thermal Processing Technologies	(P00) Production Engineering, Undergraduate Academic Studies
6.	P2403	Contemporary Casting Technologies	(P00) Production Engineering, Undergraduate Academic Studies
7.	P3401	Characteristics and Application of Plastic Materials	(P00) Production Engineering, Undergraduate Academic Studies
8.	P3405	Thermal Processing of Contemporary Tools	(P00) Production Engineering, Undergraduate Academic Studies
9.	II1001	Engineering materials	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	ZRI42A	Safety at work in metallurgy and thermochemical treatment of metal	(Z01) Safety at Work, Undergraduate Academic Studies
11.	P2503	Process Design in Casting Technology	(PM0) Production Engineering, Master Academic Studies
12.	P2507	Nanotechnologies	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
13.	PP2111	Mechanical Engineering in Medicine and Bioengineering	(PM0) Production Engineering, Master Academic Studies
14.	SMI002	Modeling and simulation of thermo chemical and metallurgical processes	(PM0) Production Engineering, Master Academic Studies
15.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
16.	DP004	Advanced Technologies in Casting and Heat Treatment	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DP007	Procedures of Plasma Depozition	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP011	Nanotechnologies and Nanomaterials Forming	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DP014	Nano and Micro Layers Characterization	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	ZRD213	Current state and development tendencies of quality management of work environment	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Škorić B., Kakaš D., Influence of type of plasma coatings on friction coefficient and contact temperature on wear of tool steel, Oxidation Communications, vol.17, Bulgarian-English Academic Publishing House ,1994, 214-219		
2.	Škorić B., Kakaš D., Tribological behaviour of TiN and TiAlN deposited layers on substrates plasma nitrided at low pressure, Materials and Manufacturing Processes, Vol 10, 1 ,New York, USA,1995, 133-138		
3.	Škorić B., Kakaš D., Sovilj B., Microstructural and tribological study of magnetron sputtered coating, Journal of the Balkan Tribological Association, Vol.3, No.3, 1997,142-147.		

	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
4.	Škorić B., Kakaš D., Influence of plasma Nitriding on Mechanical and Tribological Properties of Steel with subsequent PVD Surface Treatments., Thin Solid Films, Elsevier Science, Oxford, England, 317, 1998, 486-489		
5.	Škorić B., Kakaš D., Examination of tribological properties of plasma surface layer using special test equipment, Computer Standards & Interfaces, Elsevier Science, Oxford, England, Volume 21, Issue 2, 1999, 123.		
6.	Kakaš D., Škorić B., Rakita M., Tribological behavior of duplex coating improved by ion implantation, Thin Solid Films, Elsevier Science, Oxford, England, Volume 459, Issues 1-2, Oxford, England, 2004, 152-155.		
7.	Škorić B., Kakaš D., Rakita M., Bibić N., Peruško D Structure, hardness and adhesion of TiN coatings deposited by PVD and IBAD on nitrided steels, Vacuum, Pergamon, England, Volume 76, Issue 2-3, 2004, 169-172		
8.	Škorić B., Kakaš D., Bibić N., Rakita M., Microstructural studies of TiN coatings prepared by PVD and IBAD, Surface Science, Elsevier Science B V, North-Holland, Volumes 566-568, Part 1, 2004, 40-44.		
9.	Škorić B., Kakaš D., Karakterizacija mikro i nano slojeva, monografija, FTN, Novi Sad, 2007		
10.	Škorić B.: Tribological characterization of duplex coatings with additional ion bombardment, Brussels, European science foundation, 2008, str. 289-299, ISBN 978-92-898-0040-2		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		38	
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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:	Tabaković N. Slobodan		
Academic title:	Assistant Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 10.10.2000		
Scientific or art field:	Machine Tools, Flexible Technological Systems and Automatization		
Academic career	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Magister thesis	2002	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Bachelor's thesis	1998	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design



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

	ID	Course name	Study programme name, study type
1.	P1402	CAD/CAE/CAM i CIM Systems	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1407	Machine Tools Designing	(P00) Production Engineering, Undergraduate Academic Studies
3.	P1410	Virtual Product Designing	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	P301	Automation in Production Engineering	(P00) Production Engineering, Undergraduate Academic Studies
5.	P307	Automated Flexible Technological Systems	(P00) Production Engineering, Undergraduate Academic Studies
6.	ZR408A	Safety at work on the machines for processing	(Z01) Safety at Work, Undergraduate Academic Studies
7.	P1405	Contemporary Approach to Product Designing	(PM0) Production Engineering, Master Academic Studies
8.	PR408	Fundamentals on Protection for Operation on Processing Machines	(PM0) Production Engineering, Master Academic Studies
9.	IM2118	Fundamentals of CAD / CAM technology	(I20) Engineering Management, Master Academic Studies
10.	P307A	Flexible technological systems	(E20) Computing and Control Engineering, Master Academic Studies
11.	PAUP1	Automatization in plastic	(PM0) Production Engineering, Master Academic Studies
12.	PP102	Precision of machine tools	(PM0) Production Engineering, Master Academic Studies
13.	PP110	The dynamics of micro machining systems	(PM0) Production Engineering, Master Academic Studies
14.	PP2112	Design of prosthetic devices	(BM0) Biomedical Engineering, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
15.	SM2	Methods and software tools for computer aided design	(PM0) Production Engineering, Master Academic Studies
16.	ZRMI1A	Occupational noise and human vibration in industry	(Z01) Safety at Work, Master Academic Studies

Representative references (minimum 5, not more than 10)



1.	Tabaković, S., Gatalo, R., Zeljković, M., Toma, J.: A concept of Automated Design of modular Machine Tools with parallel kinematics based on CAD workpiece model, Machine Engineering, Vol. 2, No 1-2, 2002, pp. 171 - 182
2.	Tabaković, S., Gatalo, R., Konjović, Z.: Object-Oriented Approach to Design Process Automation, The 2nd Regional Symposium "Young People and the Multidisciplinary Research", Timisoara, Romania, 1999., pp. 462 – 468, ISBN 973-585-041-9
3.	Tabaković S., Živković A., Grujić J., Zeljković M.: Using CAD/CAE software systems in the design process of modular, revision total hip endoprosthesis, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 97-102, ISSN 1583-7904
4.	Živković A., Zeljković M., Tabaković S.: Matematičaki Model for the Roller Bearing Life Determination, Academic Journal of Manufacturing Engineering – AJME, 2010, Vol. 8, No 3/2010, pp. 108-115, ISSN 1583-7904
5.	Blanuša V., Zeljković M., Vilotić D., Tabaković S.: The specificity of punch presses programming, Journal for Technology of Plasticity, 2011, Vol. 36, No 2, pp. 121-235, ISSN 0354-3870



	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
Representative references (minimum 5, not more than 10)			
6.	Tabaković S., Zeljković M., Mladenović C., Gatalo R.: Uređaj za manipulaciju radnim predmetima ili alatima kod mašina alatki i industrijskih manipulatora, Beograd, Zavod za intelektualnu svojinu, Glasnik intelektualne svojine, 2012, UDK: Broj patenta RS20121243		
7.	TABAKOVIĆ, S., ZELJKOVIĆ, M., GATALO, R.: A contribution to workspace analysis of machine tools based on parallel mechanism, Journal of Machine Engineering, 2007, Vol. 7, No. 1, str. 80- 90, ISSN 1895-7595.		
8.	Tabaković S., Zeljković M., Živković A., Movrin D., Grujić J.: Development of the endoprosthesis of the femur according to the characteristics of a specific patient with using modern methods for product design and rapid prototyping, Journal for Technology of Plasticity, 2012, Vol. 37, No 2, pp. 195-208, ISSN 0354-3870		
9.	Tabaković, S., Gatalo, R., Zeljković, M.: Analiza tačnosti aproksimacije profila pri generisanju upravljačkih programa za CNC mašine primenom programskog sistema PRO/Engineer, Zbornik radova, VIII Međunarodna konferencija MMA 2003 - Fleksibilne tehnologije, Novi Sad, 2003. str. 117, 118,		
10.	Tabaković, S.; Gatalo, R.; Zeljković, M.: Designing machine tools based on parallel kinematics using contemporary engineering and mathematical methods the 15th international DAAAM symposium, "Intelligent Manufacturing & Automation: Globalization – Technology – Men - Nature" 3 – 6th November 2004, Vienna, Austria, pp. 453-454, ISSN 1726-9679, ISBN 3-901509-42-9		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		0	
Current projects :		Domestic :	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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



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



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES			Production Engineering		
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
13.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies		
14.	D0M48	Numerical Methods for Solving Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies		
15.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (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, A Robust Layer-Resolving Spline Collocation Method for a Convection-Diffusion Problem, Applied Mathematics and Computation,(2009), 208(1): 76-89				
2.	Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters II: robust finite element solution, J. Comput. Appl. Math. Vol. 212, 2008, 374-389				
3.	Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters I: solution decomposition, J. Comput. Appl. Math. Vol. 206, 2007, 1082-1097				
4.	Surla, K., Uzelac, Z., Teofanov, Lj., The discrete minimum principle for quadratic spline discretization of a singularly perturbed problem, Math. Comput. Simul. 2009, Vol. 79, No 8, pp.2490-2505				
5.	Teofanov, Lj., Zarin, H., Superconvergence for two-parameter singularly perturbed problem, BIT Numerical Mathematics, Vol. 49, No. 4, 2009, 743-765				
6.	Vulanović, R., Teofanov, Lj., A uniform numerical method for semilinear reaction-difusion problems with a boundary turning point, Numer. Algor. 54, 2010, 431-444				
7.	Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, Int. J. Comput. Math., Vol. 84, No. 1, 2007, 33-50				
8.	Surla, K., Uzelac, Z., Teofanov, Lj., On collocation methods for singular perturbation problems of convection-diffusion type, Novi Sad J. Math, Vol. 31, No. 1, 2001, 125-132				
9.	Surla, K., Uzelac, Z., Pavlović, Lj., On collocation methods for singular perturbation problems, Novi Sad J. Math., Vol. 30, No. 3, 2000, 173-183				
10.	Čomić, I., Pavlović, Lj., Funkcije više promenljivih, Fakultet tehničkih nauka, Novi Sad, 2000, 95 str.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			12		
Total of SCI(SSCI) list papers :			7		
Current projects :			Domestic :	1	International : 0

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



Name and last name:			Todić V. Velimir
Academic title:			Full Professor
Name of the institution where the teacher works full time and starting date:			Faculty of Technical Sciences - Novi Sad
			01.01.1971
Scientific or art field:			Technological Process Design and Optimization and Technical Preparation
Academic carieer	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Tecnological Process Design and Optimization and Technical Preparation for Manufacturing
PhD thesis	1987	Faculty of Technical Sciences - Novi Sad	Technological Processes, Techno-Economic Optimization and Virtual Design
Magister thesis	1978	Faculty of Technical Sciences - Novi Sad	Technological Processes, Techno-Economic Optimization and Virtual Design
Bachelor's thesis	1970	Faculty of Technical Sciences - Novi Sad	Technological Processes, Techno-Economic Optimization and Virtual Design
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P1403	Integrated CAPP Systems and Technological Database	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1503	Technological Logistics and Entrepreneurship	(P00) Production Engineering, Undergraduate Academic Studies
3.	P308	Process Planning	(P00) Production Engineering, Undergraduate Academic Studies
4.	P4408	Entrepreneurship in Small and Medium Enterprises	(P00) Production Engineering, Undergraduate Academic Studies
5.	P320	Technological Preparation of Production in Precision Engineering	(P00) Production Engineering, Undergraduate Academic Studies
6.	P1506	Internet Technologies in Production Engineering	(PM0) Production Engineering, Master Academic Studies
7.	P315	Intelligent Process Planning	(PM0) Production Engineering, Master Academic Studies
8.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies
9.	SM1	Methods and Software Tools for Collaborative Design	(PM0) Production Engineering, Master Academic Studies
10.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
11.	DP017	Selected Chapters in e-Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
12.	DP018	Modern Approach in Development Technological Preparation of Production	(M00) Mechanical Engineering, Doctoral Academic Studies
13.	ZRD232	Logistics in the Security Services and Health at Work	(Z01) Safety at Work, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Todić, V.: Projektovanje tehnoloških procesa, udžbenik, FTN Izdavaštvo, Novi Sad, 2004.		
2.	Todić, V., Stanić, J.: Osnove optimizacije tehnoloških procesa izrade i konstrukcije proizvoda, udžbenik, FTN, Novi Sad, 2002.		
3.	Todić, V., Banjac, D.: Projektovanje i optimizacija tehnoloških procesa obrade, priručnik, FTN, Novi Sad, 2000.		
4.	Todić, V., Penezić, N., Lukić, D., Milošević, M.:Tehnološka logistika i preduzetništvo, Fakultet tehničkih nauka, Novi Sad, 2012.		
5.	Todić V., Tepić J., Milošević M., Lukić D., Hadžistević M.: Design of Casting Blanks in CAPP System for Parts of Piston-Cylinder Assembly of Internal Combustion Engines, Metalurgija, 2012, Vol. 51, No 1, pp. 75-78, ISSN 0543-5846, UDK: 621.824:621.886.6:621.887=111		
6.	Todić V., Tepić J., Kostelac M., Lukić D., Milošević M.: Design and economic justification of group blanks application, Metalurgija, 2012, Vol. 51, No 2, pp. 269-272, ISSN 0543-5846, UDK: 65.01:658.5:65.011=111		
7.	Todić V., Zeljković M., Tepić J., Milošević M., Lukić D.: Techno-economic method for evaluation and selection of flexible manufacturing systems, Metalurgija, 2012, Vol. 51, No 3, ISSN 0543-5846		
8.	Todić V., Lukić D., Hadžistević M., Milošević M.: Integrated CAPP System for Plastic Injection Molds Manufacturing, Materiale Plastice, 2008, Vol. 45, No 4, pp. 381-389, ISSN 0025-5289		
9.	Tepić J., Todić V., Lukić D., Milošević M., Borojević S.: Development of the computer-aided process planning (CAPP) system for polymer injection molds manufacturing, Metalurgija, 2011, Vol. 50, No 4, pp. 273-277, ISSN 0543-5846, UDK: 621.824:621.886.6:621.887=111		
10.	Tepić J., Todić V., Tanackov I., Lukić D., Stojić G., Sremac S.: Modular System Design for Plastic Euro Pallets, Metalurgija, 2012, Vol. 51, No 4, ISSN 0543-5846, UDK: 621.824:621.886.6:621.887=111		
Summary data for teacher's scientific or art and professional activity:			

	UNIVERSITY OF NOVI SAD					
	FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6					
	Study Programme Accreditation					
	UNDERGRADUATE ACADEMIC STUDIES			Production Engineering		
Quotation total :		8				
Total of SCI(SSCI) list papers :		6				
Current projects :		Domestic :	1	International :	0	

	<p style="text-align: center;">UNIVERSITY OF NOVI SAD</p> <p style="text-align: center;">FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6</p> <p style="text-align: center;">Study Programme Accreditation</p> <p style="text-align: center;">UNDERGRADUATE ACADEMIC STUDIES Production 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		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>		
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Science, arts and professional qualifications



Name and last name:		Vidaković P. Milan	
Academic title:		Associate Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		20.01.1998	
Scientific or art field:		Applied Computer Science and Informatics	
Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Magister thesis	1998	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E239A	Web Programming	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E2K41	Distributed Artificial Intelligence and Intelligent Agents	(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.	F501	WEB Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (F10) Engineering Animation, Undergraduate Academic Studies
4.	GI211	Geoinformatics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	GI111	Information technologies in geodesy	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	SE0006	Object oriented programming 1	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SE239A	Web programming	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
8.	E2501	Electronic Payment Systems	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
9.	EP007	Document and content management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	AD0008	Web design in Architecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
11.	DRNI03	Selected Topics in Internet-Based Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies



		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES				Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
12.	DRNI05	Selected Topics in Software Standardization and Quality	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies		
13.	FDS152	Selected Topics in Computer Graphics	(F00) Graphic Engineering and Design, Doctoral Academic Studies		
14.	DAU014	Selected Topics in Computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies		
15.	DRNI16	Selected Topics in Electronic Business	(E20) Computing and Control Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies		
16.	DRNI18	Selected Topics in Distributed/Mobile computing	(E20) Computing and Control Engineering, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	Vidaković, M., Milosavljević, B., "Internationalisation of the BISIS Library Information System", Proceedings of the 28th International Unicode Conference, Orlando, USA, September 7-9, 2005.				
2.	Vidaković, M., Sladić, G., Zarić, M., "Metadata Harvesting Using Agent Technology", Proceedings of the 8th IASTED International Conference on Software Engineering and Applications (SEA 2004), Cambridge, USA, November 9-11, 2004., pp. 489-493				
3.	Vidaković M., Sladić G., Komazec S., "Sistemi za upravljanje elektronskim sadržajima i njihova promena u eUpravi", Info M: časopis za informacione tehnologije i multimedijalne sisteme, 2006., pp. 36-41, ISSN 1451-4397				
4.	Vidaković, M., Zubić, T., Milosavljević, B., Pupovac, B., Tošić, T., "Processing Bibliographic Documents in the Library Information System BISIS", Proceedings of the International Conference on Distributed Library Information Systems, Ohrid, Former Yugoslav Republic of Macedonia, June 1-6, 2004., pp. 65-91.				
5.	Vidaković, M., Sladić, G., Konjović, Z., "Security Management In J2EE Based Intelligent Agent Framework", Proceedings of the 7th IASTED International Conference on Software Engineering and Applications (SEA 2003), Marina Del Rey, USA, November 3-5, 2003., pp. 128-133.				
6.	Milosavljević B., Vidaković M., Komazec S. and Milosavljević G., "User Interface Code Generation for Data-Intensive Systems with EJB-based Data Models", In Software Engineering Research and Practice, Las Vegas, NV, USA, 2003.				
7.	Vidaković, M., Konjović, Z., "EJB Based Intelligent Agents Framework", Proceedings of the 6th IASTED International Conference on Software Engineering and Applications (SEA 2002), Cambridge, USA, November 4-6, 2002., pp. 343-348.				
8.	Vidaković M., "Agentska okruženja", Zaduzbina Andrejević. Beograd, 2007, ISBN: 9-788672-446210				
9.	Milosavljević B., Vidaković M., Java i Internet programiranje, FTN izdavaštvo, 2007., ISBN 978-86-7892-047-9				
10.	Okanović D., Vidaković M., „Upotreba JMX mlet servisa za ažuriranje verzija aplikacija“, Zbornik radova YulInfo 2007 (CD), Kopaonik 2007.				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			119		
Total of SCI(SSCI) list papers :			7		
Current projects :			Domestic :	1	International : 0

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



Name and last name:		Vilotić Ž. Dragiša	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.01.1975	
Scientific or art field:		Plastic Deformation Technology, Rapid Prototyping, Virtual	
Academic career	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	1981	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Bachelor's thesis	1974	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P207	Metal forming	(P00) Production Engineering, Undergraduate Academic Studies
2.	P2401	Advanced Methods in Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
3.	P2413	Computer Aided Design of Tools and Dies for Metal Forming	(P00) Production Engineering, Undergraduate Academic Studies
4.	P303	Machines for Processing by Deforming	(P00) Production Engineering, Undergraduate Academic Studies
5.	P3403	Technology of Plastic Forming - Shaping of plastic material	(P00) Production Engineering, Undergraduate Academic Studies
6.	P3503	Machines and Devices for Plastic Processing	(P00) Production Engineering, Undergraduate Academic Studies
7.	M2062	Mechanical engineering technologies 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	M3203	Technology of machinery	(M30) Energy and Process Engineering, Undergraduate Academic Studies
9.	P3402	Physical and Phase States of Polymers	(P00) Production Engineering, Undergraduate Academic Studies
10.	ZR408A	Safety at work on the machines for processing	(Z01) Safety at Work, Undergraduate Academic Studies
11.	P2407	Rapid Prototyping and Rapid Tooling	(PM0) Production Engineering, Master Academic Studies
12.	P3501	Tool Designing for Plastic	(PM0) Production Engineering, Master Academic Studies
13.	P3503A	Contemporary Process Systems for Plastic Treatment	(PM0) Production Engineering, Master Academic Studies
14.	BMIM4B	Technologies of shaping biomedical materials	(BM0) Biomedical Engineering, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
15.	PMISP1	Modelling and Simulation of Metal Forming Processes	(PM0) Production Engineering, Master Academic Studies
16.	PTS01	Technology of sintering	(PM0) Production Engineering, Master Academic Studies
17.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP005	State and Tendencies in Development of Metrology, Quality and Equipment	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DP008	Contemporary Methods and TPD Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	DP012	Physical Modelling and TPD Simulation by Computers	(M00) Mechanical Engineering, Doctoral Academic Studies
21.	DP015	Nonconventional Procedures of Forming in TPD	(M00) Mechanical Engineering, Doctoral Academic Studies


		UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6			
<h2 style="text-align: center;">Study Programme Accreditation</h2>					
UNDERGRADUATE ACADEMIC STUDIES				Production Engineering	
List of courses being held by the teacher in the accredited study programmes					
	ID	Course name	Study programme name, study type		
22.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies		
23.	DP026	Modern methods for polymers investigation	(M00) Mechanical Engineering, Doctoral Academic Studies		
24.	DP028	Theoretical basis for forming polymer technology	(M00) Mechanical Engineering, Doctoral Academic Studies		
25.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies		
Representative references (minimum 5, not more than 10)					
1.	D. Vilotić, D. Milikić, M. Plančak, M. Milutinović: Obrazovanje inženjera proizvodnog mašinstva iz oblasti oblikovanja plastike na Fakultetu tehničkih nauka u Novom Sadu, 4. kongres inženjera plastičara i gumara K – IPG 2006., zbornik na CDu, ppt 100 slajdova, Vršac, 13-16. juni 2006.				
2.	Obradović R., Vilotić D.: Prikaz tehnologije i opreme za za ultrazvučno zavarivanje termoplastičnih komponenata, Zbornik radova MMA 2006, strana 27-28, FTN, Novi Sad, juni 2006.				
3.	Vilotić D., Plančak M., Kuzman K., Čupković Đ.: Finite Element Analysis of Cold Upsetting of Cylinder by Different Dies, 8th International Conference on Technology of Plasticity, Proceedings (CD) ISBN 88-87331-74-X, No. of Paper 414, Verona, Italy, October 2005.				
4.	Vilotić D.: Ponašanje čeličnih materijala u različitim obradnim sistemima hladnog zapreminskog deformisanja, naučno delo, FTN, N. Sad, 1987.				
5.	Vilotić D., Plančak M., Kuzman K., Čupković Đ.: Finite Element Analysis of Cold Upsetting of Cylinder by Different Dies, 8th International Conference on Technology of Plasticity, Proceedings (CD) ISBN 88-87331-74-X, No. of Paper 414, Verona, Italy, October 2005.				
6.	Essa K., Kačmarčik I., Hartley P., Plančak M., Vilotić D.: Upsetting of bi-metallic ring billets, Journal of Materials Processing Technology, 2012, Vol. 212, No 4, pp. 817-824, ISSN 0924-0136				
7.	Alexandrov S., Vilotić D., Konjovčić Z., Vilotić M.: An Improved Experimental Method for Determining the Workability Diagram, Experimental Mechanics, 2012, Vol. 52, No 11340, ISSN 0014-4851				
8.	Alexandrov S., Vilotić D.: A study on an effect of geometric singularities on ductile fracture, Engineering Fracture Mechanics, 2009, Vol. 76, No 14, pp. 2309-2315, ISSN 0013-7944				
9.	Vilotić D., Plančak M., Čupković Đ., Aleksandrov S., Aleksandrov N.: Free Surface Fracture in Three Upsetting Tests, Experimental Mechanics, 2006, Vol. 46, pp. 115-120, ISSN 0014-4851				
10.	Plančak M., Hartley P., Essa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International, 2012, pp. 1247-1250, ISSN 1611-3683				
Summary data for teacher's scientific or art and professional activity:					
Quotation total :			17		
Total of SCI(SSCI) list papers :			15		
Current projects :			Domestic :	1	International : 1

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

Name and last name:		Vukelić B. Đorđe	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad 23.10.2000	
Scientific or art field:		Metrology, Quality, Fixtures and Ecological-Engineering Aspects	
Academic carier	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P1401	Fixture Design and Measuring Machines	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1508	Reverse Engineering and CAQ	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	P209	Measurements and Quality	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	P306	Fixtures	(P00) Production Engineering, Undergraduate Academic Studies
5.	Z207	Mechanical Engineering in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z207A	Mechanical Engineering in Environmental Engineering	(Z01) Safety at Work, Undergraduate Academic Studies
7.	Z301	Pollution Measurement and Control	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
8.	ZRI441	Material handling systems for environmental and labor protection	(Z01) Safety at Work, Undergraduate Academic Studies
9.	II1037	Disassembly and recycling technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	P322	Introduction to Precision Engineering	(P00) Production Engineering, Undergraduate Academic Studies
11.	ZC036	Measurement and control of pollution	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	P1409	Material Control Systems and CAI	(PM0) Production Engineering, Master Academic Studies
13.	P1501	Ecological Technologies and Systems	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
14.	Z416A	Environment Protection System Management	(PM0) Production Engineering, Master Academic Studies
15.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
16.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
17.	PIP16	Plastics and environmental protection	(PM0) Production Engineering, Master Academic Studies
18.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies
19.	PP103	Measurement and tools in precision engineering	(PM0) Production Engineering, Master Academic Studies
20.	SM3	Software support for reverse engineering and CAQ	(PM0) Production Engineering, Master Academic Studies

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
21.	SMI003	Software support for cutting tools and fixtures modeling	(PM0) Production Engineering, Master Academic Studies
22.	SZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Specialised Academic Studies
23.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
25.	DP006	State and development trends of metrology, quality and fixtures	(M00) Mechanical Engineering, Doctoral Academic Studies
26.	DP013	Ecological Engineering Aspects	(M00) Mechanical Engineering, Doctoral Academic Studies
27.	DP019	Selected topics in technical diagnosis	(M00) Mechanical Engineering, Doctoral Academic Studies
28.	ZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Budak I., Vukelić Đ., Bračun D., Hodolić J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220.		
2.	Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone-shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593.		
3.	Tadić B., Todorović P., Vukelić Đ., Jeremić B.: Failure analysis and effects of redesign of a polypropylene yarn twisting machine, Engineering Failure Analysis, 2011, Vol. 18, No 5, pp. 1308-1321, ISSN 1350-6307.		
4.	Matin I., Hadžistević M., Hodolić J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, International Journal of Advanced Manufacturing Technology, 2012, Vol. 63, No. 5-8, pp. 595-607, ISSN 0268-3768.		
5.	Tadić B., Todorović P., Lužanin O., Miljanić D., Jeremić B., Bogdanović B., Vukelić Đ.: Using specially designed high-stiffness burnishing tool to achieve high-quality surface finish, DOI: 10.1007/s00170-012-4508-2, International Journal of Advanced Manufacturing Technology, 2012, ISSN 0268-3768.		
6.	Mrkajić V., Stamenković M., Maleš M., Vukelić Đ., Hodolić J.: Proposal for reducing problems of the air pollution and noise in the urban environment, Carpathian Journal of Earth and Environmental Sciences, 2010, Vol. 5, No 1, pp. 49-56, ISSN 1842-4090.		
7.	Vukelić Đ., Zuperl U., Hodolić J.: Complex system for fixture selection, modification, and design, International Journal of Advanced Manufacturing Technology, 2009, Vol. 45, No 7-8, pp. 731-748, ISSN 0268-3768.		
8.	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, ISSN 0144-5154.		
9.	Trifković B., Budak I., Todorović A., Hodolić J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871.		
10.	Tadić B., Vukelić Đ., Hodolić J., Mitrović S., Erić M.: Conservative-Force-Controlled Feed Drive System for Down Milling, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 5, pp. 425-439, ISSN 0039-2480.		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		34	
Total of SCI(SSCI) list papers :		21	
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;">UNDERGRADUATE ACADEMIC STUDIES Production Engineering</p>	
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Science, arts and professional qualifications



Name and last name:	Zeljko V. Milan		
Academic title:	Full Professor		
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 15.11.1977		
Scientific or art field:	Machine Tools, Flexible Technological Systems and Automatization		
Academic career	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
PhD thesis	1996	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Magister thesis	1984	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Bachelor's thesis	1977	Faculty of Technical Sciences - Novi Sad	Technological Processes, Techno-Economic Optimization and Virtual Design



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

	ID	Course name	Study programme name, study type
1.	P1402	CAD/CAE/CAM i CIM Systems	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1407	Machine Tools Designing	(P00) Production Engineering, Undergraduate Academic Studies
3.	P1410	Virtual Product Designing	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	P301	Automation in Production Engineering	(P00) Production Engineering, Undergraduate Academic Studies
5.	P304	Processing and Technological Systems	(P00) Production Engineering, Undergraduate Academic Studies
6.	P307	Automated Flexible Technological Systems	(P00) Production Engineering, Undergraduate Academic Studies
7.	ZR308A	Security and Safety Equipment for working	(Z01) Safety at Work, Undergraduate Academic Studies
8.	ZR408A	Safety at work on the machines for processing	(Z01) Safety at Work, Undergraduate Academic Studies
9.	P1405	Contemporary Approach to Product Designing	(PM0) Production Engineering, Master Academic Studies
10.	PR408	Fundamentals on Protection for Operation on Processing Machines	(PM0) Production Engineering, Master Academic Studies
11.	IM2118	Fundamentals of CAD / CAM technology	(I20) Engineering Management, Master Academic Studies
12.	P307A	Flexible technological systems	(E20) Computing and Control Engineering, Master Academic Studies
13.	PP102	Precision of machine tools	(PM0) Production Engineering, Master Academic Studies
14.	PP110	The dynamics of micro machining systems	(PM0) Production Engineering, Master Academic Studies
15.	PP2112	Design of prosthetic devices	(BM0) Biomedical Engineering, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
16.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DP003	State and Developing Trend in the Field of Machine Tools, FTS, and Automation of Designing Processes	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP010	Behaviour Modelling and Experimental Testing of Working Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	ZRD18A	Behaviour Modelling and Experimental Testing of Working Systems	(Z01) Safety at Work, Doctoral Academic Studies
20.	ZRD235	Systemic regulation in the field of occupational safety and health	(Z01) Safety at Work, Doctoral Academic Studies
21.	ZRD238	State and trends of development safety and health at work in the area mechanical engineering	(Z01) Safety at Work, Doctoral Academic Studies

Representative references (minimum 5, not more than 10)



1.	Zeljko V. Milan, Gatalo R.: Experimental and Computer Aided Analysis of High-Speed Spindle Assembly behaviour, CIRP Annals - Manufacturing Technology, 1999, Vol. 48, No 1, pp. 325-328, ISSN 0007-8506
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	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;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>			
Representative references (minimum 5, not more than 10)				
2.	Gatalo R., Hodolić J., Zeljković M., Milošević V., Konjović Z.: Achievements in the development and future development of SAPOR-S systems for automatic programming of NC Lathes, Robotics and Computer-integrated Manufacturing, 1988, Vol. 4, No 1/2, pp. 91-102, ISSN 0736-5845			
3.	Gatalo R., Rekecki J., Hodolić J., Borojev Lj., Zeljković M., Milošević V., Konjović Z., Malbaški D.: Automatic design of the technological process for NC lathes by the use of SAPOR-S system, International Journal of Production Research, 1983, Vol. 21, No 2, pp. 197-213, ISSN 0020-7543			
4.	Todić V., Zeljković M., Tepić J., Milošević M., Lukić D.: Techno-economic method for evaluation and selection of flexible manufacturing systems, Metalurgija, 2012, Vol. 51, No 3, ISSN 0543-5846			
5.	Antić A., Petrović P., Zeljković M., Kosec B., Hodolić J.: The influence of tool wear on the chip-forming mechanism and tool vibrations, Materijali in tehnologije, 2012, Vol. 46, No 3, pp. 279-285, ISSN 1580-2949			
6.	Milojević Z., Vičević M., Zeljković M., Navalusić S.: Methodology of the bone tissue diagnostic images processing, Academic Journal of Manufacturing Engineering – AJME, 2012, Vol. 10, No 3, pp. 63-70, ISSN 1583-7904			
7.	Milojević Z., Navalusić S., Zeljković M., Vičević M., Beju L.: Haptic interaction program systems development as a part of virtual environment, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 61-66, ISSN 1583-7904			
8.	Tabaković S., Živković A., Grujić J., Zeljković M.: Using CAD/CAE software systems in the design process of modular, revision total hip endoprosthesis, Academic Journal of Manufacturing Engineering – AJME, 2011, Vol. 9, No 2/2011, pp. 97-102, ISSN 1583-7904			
9.	Živković A., Zeljković M., Tabaković S.: Mathematical Model for the Roller Bearing Life Determination, Academic Journal of Manufacturing Engineering – AJME, 2010, Vol. 8, No 3/2010, pp. 108-115, ISSN 1583-7904			
10.	Čiča Đ., Zeljković M., Lakić-Globočki G., Sredanović B., Borojević S.: Identification of contact parameters of spindle-holder-tool assembly using artificial neural networks, 11. International Scientific Conference "Advanced Production Technologies" - MMA, Novi Sad: Fakultet tehničkih nauka, 20-21 Septembar, 2012, pp. 57-60, ISBN 978-86-7892-419-4			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :		22		
Total of SCI(SSCI) list papers :		6		
Current projects :		Domestic :	1	International : 0

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



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

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6		
	<h2 style="text-align: center;">Study Programme Accreditation</h2> <div style="display: flex; justify-content: space-between;"> UNDERGRADUATE ACADEMIC STUDIES Production Engineering </div>		
List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
10.	BMIM4A	Transport phenomena and Living systems	(BM0) Biomedical Engineering, Master Academic Studies
11.	M45021	Computer Methods in Mechanics 2	(M40) Technical Mechanics and Technical Design, Master Academic Studies
12.	DTM01	Computer Methods in kinematics and dynamics of mechanical systems	(M40) Technical Mechanics, Doctoral Academic Studies
Representative references (minimum 5, not more than 10)			
1.	Zukovic, M. and Cveticanin, L.: Chaotic Responses in a Stable Duffing System of Non-ideal Type, Journal of Vibration and Control, 2007, Vol. 13, No. 6, str. 751- 767, ISSN 10775463.		
2.	Zukovic,M., Cveticanin,L., Chaos in non-ideal mechanical system with clearance, Journal of Vibration and Control , 15(8): 1229–1246, 2009		
3.	Miodrag Zuković, TORZIONE PARAMETARSKE OSCILACIJE CILINDRIČNOG ZUPČASTOG PARA SA EVOLVENTNIM OZUBLJENJEM, Magistarska teza, Novi Sad, 2000.		
4.	Zuković,M., Nelinearne TORZIONE OSCILACIJE U ZUPČASTIM PRENOSNICIMA, VII Međunarodna konferencija fleksibilne tehnologije MMA 2000, Novi Sad, 08.juna 2000.		
5.	Zuković, M., Radomirović, D. Kuzmanović, S.: Analiza uticaja rasporeda zupčanika na dinamiku dvostepenog reduktora, Drugi skup o konstruisanju, oblikovanju i dizajnu KOD 2002, Novi Kneževac, Maj 2002, str. 141-144.		
6.	Radomirović, D., Zuković. M., Gligorić, Radojka: Uticaj ubrzanja, nagiba i mase prikolice na kretanje traktora, Traktori i pogonske mašine, Vol.7, No.4, Novi Sad, Decembar, 2002, str.57-61.		
7.	Zuković, M., Radomirović, D. Rakarić, Z.: Nelinearne oscilacije u mehaničkim sistemima sa zazorom, VIII MEĐUNARODNA KONFERENCIJA FLEKSIBILNE TEHNOLOGIJE, MMA 2003., Novi Sad, Srbija i Crna Gora, 26-27. Jun 2003.		
8.	Radomirović, D., Maretić, R., Zuković. M.: UNUTRAŠNJE KOORDINATE RAVANSKIH KRIVIH U MEHANICI, Letopis naučnih radova, Godina 27(2003), broj 1, strana 119-127		
9.	Radomirović, D., Gligorić, Radojka, Zuković. M.: Kretanje traktora sa jednoosovinskom prikolicom, Traktori i pogonske mašine, Vol.8, No.4, Novi Sad, Novembar, 2003, str.124-129.		
10.	M. Zuković and Z. Rakarić : Steady state vibration of mechanical system with electric motor and nonlinear spring, Book of Abstracts, The First International Conference on COMPUTATION MECHANICS, Belgrade (CM'04), Serbia and Montenegro, November, 15-17, 2004., 31		
Summary data for teacher's scientific or art and professional activity:			
Quotation total :		0	
Total of SCI(SSCI) list papers :		7	
Current projects :		Domestic :	International :
		1	0

	UNIVERSITY OF NOVI SAD FACULTY OF TECHNICAL SCIENCES 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 6 Study Programme Accreditation UNDERGRADUATE ACADEMIC STUDIES	
	Production Engineering	

Science, arts and professional qualifications

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

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



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Production Engineering

Standard 10. Organizational and Material Resources

To perform the study program appropriate human, physical, technical, technological, library and other resources that are appropriate to the nature of the study program and the anticipated number of students, are provided. Teaching in the undergraduate study program of production engineering is done in two shifts so that the per student provided a minimum of 2 m² area.

Classes are held in the amphitheatres, classrooms and specialized laboratories. The library has more than 100 library items that are relevant for the implementation of the study program. All courses of the study program are covered by appropriate textbooks references, teaching aids and aids that are available on time and in sufficient numbers for the normal teaching process. Additionally, adequate information system is provided.

The Faculty has a library and reading room and provides a place for every student in the amphitheatres, classrooms and laboratories.



Study Programme Accreditation

UNDERGRADUATE ACADEMIC STUDIES

Production Engineering

Standard 11. Quality Control

Quality control and quality of the undergraduate study program production engineering are provided on the basis of the quality management system of the Faculty of Technical Sciences, through defined rules for all participants in the learning process and appropriate procedures.

Evaluation of the quality of the study program is carried out continuously and systematically through self-evaluation and external quality assurance. For quality assurance practices should be pointed out decades of surveys on students' and staff satisfaction, which includes:

- Survey of students at the end of classes from the courses;
- Surveys of graduates with diplomas awarded on the quality of the study program and logistical support on studies, in addition study comfort is also assessed (clean and tidy classrooms, etc.);
- Surveys of students during the semestral verification - students assessing logistic support of studies;
- Questionnaires for students at the enrollment of the academic year - students evaluating study program which they finished in the previous year;
- Surveys of teaching and non-teaching staff on the quality of the study program and logistical support to studies - in this survey the dean's office, student services, library and other services of the Faculty are evaluated, as well as the working conditions of the Faculty.

To monitor the quality of the study program a special commission consisting of the head of the study program, all the heads of sub-departments involved in the implementation of the study program, assistant representative, a representative of non-teaching staff and one student from each year of study, is formed.



Study Programme Accreditation
UNDERGRADUATE ACADEMIC STUDIES Production Engineering

Standard 12. Distance Education

Distance learning is not provided for.