STUDY PROGRAMME ACCREDITATION MATERIAL:

MECHANIZATION AND CONSTRUCTION ENGINEERING

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad

2012.

Prevod sa srpskog jezika:

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Programme name	Mechanization and Construction Engineering
Independent higher education institution where the programme is being executed	University of Novi Sad
Higher education institution where the programme is being executed	Faculty of Technical Sciences
Educational-scientific/educational-art field	Technical-Technological Science
Scientific, proffesional or art field	Mechanical Engineering
Type of studies	Undergraduate Academic Studies
Study scope, expressed in ECTS	240-243
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	122
Planned number of students to be enrolled in this programme	200
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2008
Web address containing programme information	http://www.ftn.uns.ac.rs

Standard 00. Introduction

The study program of undergraduate academic studies in Mechanization and Construction Engineering was formed with the development education process at the Institute of Mechanization (now Department of Mechanization and Construction Engineering), within the Faculty of Mechanical Engineering in 1960, and is based on modern scientific and professional knowledge developments found in similar study programmes of leading universities around the world and is in accordance with the recommendations of the Bologna process and strategies of the technological development of the Autonomous Province of Vojvodina and the Republic of Serbia.

The studies at the undergraduate academic programme last 4 year, with the eight semester devoted to the preparation of the final, Bachelor paper (thesis). Students who have successfully completed the study programme are awarded the degree of Bachelor with Honour in Mechanical Engineering with the name of the study programme Mechanization and Construction Engineering stated in the Diploma Supplement.

The study programme of undergraduate academic studies provides the students with the necessary knowledge, skills and practical experience for the deign, technical exploitation and maintenance of machines and equipment in the area of transport, construction and agricultural mechanization, motors and vehicles. The acquired knowledge and skills enable the students who have obtained this degree to successfully respond to the demands of the market and economy in this area of mechanical engineering.

Standard 01.   Programme Structure

The name of the undergraduate academic study programme is Mechanization and Construction Engineering.   The outcome of the learning process is the knowledge which enables students to use the professional literature, apply the knowledge to the problems encountered in their professional work, as well as to continue their education, in case the students decide to do so.

The requirements for admission to this study programme are completed four years of high school education and successfully passed entrance examination. The entrance examination tests the knowledge of mathematics (max 30 points) and students` aptitude (max 30 points) and is considered to be passed if the candidate has obtained at least 14 points.

The undergraduate academic study programme Mechanization and Construction Engineering lasts four years. The study programme is designed in such a way that the theoretical and methodology courses and scientific and professional courses offered during the first three semesters provide a high quality basis for the professional and applied courses in the area of mechanization (transport and construction mechanization, agricultural machines, motors and vehicles). The study programme comprise obligatory and elective courses. Elective courses are chosen from the group of suggested elective groups but, students can, in accordance with their preferences and desires, also choose, upon approval of the Head of the study programme, any of the courses offered by the Faculty of Technical Sciences, other faculties of the University of Novi Sad and other universities in the country and abroad. Standard requirements for attending elective courses must be met in this case.

The teaching process takes the form of lecture and practice classes. During the lectures the topics are presented using suitable didactic materials, and necessary implantations which contribute to the better understanding of the subject matter. The practice classes, which accompany the lectures, are devoted to solving practical problems and presenting additional examples to illustrate the matter further. This is also the opportunity to provide additional explanations for the material covered during the lectures. The practice classes can be auditory, laboratory, computer or calculation classes. They can partially be held in factories or other establishments.

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

Each course is worth a certain number of ECTS (European Credit Transfer System) credits and the studies are considered to be completed after the student has fulfilled all the obligations prescribed by the study programme and has attained the minimum of 240 ECTS credits.

Standard 02.   Programme Objectives

The purpose of the study programme is the education of students for the profession of mechanical engineer in accordance to the needs of the society.

Mechanization and Construction Engineering study programme is designed to ensure the acquired competences which are justified and useful for the society. The Faculty of Technical Sciences has defined the fundamental tasks and aims in educating highly competent professionals in the field of engineering. The purpose of the Mechanization and Construction Engineering undergraduate academic study programme is in accordance with the basic tasks and aims of the Faculty of Technical Sciences. Realization of the thus structured study programme educates engineers in the field of mechanical engineering who are competent at the European and international level.

Standard 03.   Programme Goals

The aim of the study programme is to achieve competence and academic skills in the field of Mechanical engineering with the orientation to the area of Mechanization and Construction Engineering (design, exploitation and maintenance). This, among others includes the development of creative skills regarding research problems and critical thinking ability, as well as developing skills in team work and specific practical skills needed to perform profession.

The aim of the studies is to educate professionals who possess the necessary knowledge in the field of fundamental engineering disciplines (mathematics, mechanics, electrical engineering, design, application of modern information technologies, etc.,) in the field of mechanical engineering and the domain of modern mechanization.

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

Standard 04. Graduates` Competencies

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

With regard to their specific competences, students who have completed this study programme have acquired a thorough and understanding of all the disciplines relevant for the profession as well as the ability to solve practical problems using scientific methods and procedures. The study programme emphasizes the intensive use of information and communication technologies, especially in the field of design and construction.

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

The students are able to design, provide maintenance and optimal technical exploitation of modern mechanization, as well as machines and tools for general purpose. Throughout their education the students acquire the ability to independently perform experiments, statistical analysis of data as well as to formulate results and draw adequate conclusions.

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

Special attention is given to developing skills for teamwork, which is necessary component of modern design and maintenance of machines and devices, as well as the development of professional ethics.

Standard 05.　Curriculum

The curriculum of undergraduate academic studies is designed to fulfil all the defined objectives. The structure of the study programme secures that about 15% of the courses belong to the academic and general education subjects, about 20% are theoretical and methodological courses, about 35% are scientific and professional courses and 30% are professional and applied courses. It has also been ensured that the elective courses represent at least 20% of ECTS credits.

The first three semesters represent the basic, general and theoretical education of students, while in the fourth, fifth, sixth, seventh and eighth semester their education is concencrated to the area of modern mechanization. The study programme includes obligatory and elective courses. Through elective courses students can define thir studies to meet their individual needs and interests.

Each course lasts one term and is worth a certain number of ECTS credits where one credit is equivalent to approximately 30 hours of work. The order of courses is defined so as to ensure that the prerequisite knowledge for one course is attained in the previously attended courses.

The curriculum defines each course in terms of its name, type of course, year and semester of studies, number of ECTS credits, name of the teacher, objectives of the course and expected outcomes, knowledge and competences, pre exam assignments for attending the course, content of the course, recommended literature, methods of teaching, types of evaluation and other.

The study programme is in line with European standards regarding admission requirements, duration of studies, enrolling the following year of studies, obtaining a diploma and mode of study.

Professional practice and practical work of 45 hours forms a constituent part of the curriculum and is carried out in suitable scientific and research institutions, innovation centres, organizations which provide infrastructure support for innovative activities, industrial and public institutions.

A student`s studies are completed with the production of a Bachelor thesis which consists of theoretical and methodological framework necessary for the in depth understanding of the area in which the Bachelor thesis is done and the production of the thesis itself.

Prior to the defence of the thesis the candidate takes an exam on the theoretical and methodological bases before the thesis supervisor. The final grade of the Bachelor thesis is based on the grade of theoretical and methodological preparation and the grade of the production and defence of the Thesis itself. Bachelor thesis is defended before a committee of at least three professors.

Table 5.2 Course specification

Course:		
Course id:	M102	**Mathematics 1**
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 R3, 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

Table 5.2 Course specification

Course:		
Course id:	M103	**Mechanics 1**
Number of ECTS:	5	
Teachers:		Cvetićanin 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. Cvetićanin	Statika	FTN Novi Sad	2006
2,	I. Kovačić, Z. Rakarić	Statika - Zbirka zadataka	FTN Novi Sad	2006

Table 5.2 Course specification

Course:		
Course id:	M104	**Fundamentals in Computing and Programming**
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	4	0	0

Precondition courses	None

1. Educational goal:

Students learn to work with basic programmes of general purpose as well as equalization of general knowledge in informatics acquired in secondary schools.

2. Educational outcomes (acquired knowledge):

Acquired knowledge represents the base for mass usage of computers, especially in groups of courses based on computer application in Mechanical Engineering

3. Course content/structure:

Basic concepts in the field of computer technologies. Fundamentals in Microsoft Windows operating system. Text arranging programme Microsoft Word. Table arranging programme Microsoft Excel. Presentation design programme Microsoft Power Point. Internet, basic concepts and tools – Internet Explorer and Outlook Express. Fundamentals in programming and mathematical problems resolving - Matlab and Mathcad.

4. Teaching methods:

Computer practice and partial examinations in characteristics software modules. During the practice, students are obligatory to pass three partial examinations. Partial examinations are taken at practice classes, and taken on computers. Condition for taking the examination is passing all three partial examinations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Complex exercises	Yes	5.00	Oral part of the exam	Yes	50.00
Computer exercise attendance	Yes	5.00			
Presentation	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Luković I., Stefanović D., Rakić M., Stefanović N.	Osnove računarskih tehnologija i programiranja, priručnik za vežbe	FTN, Novi Sad	2002
2,	Krsmanović C., Stefanović D., Vasić V., Živanić D.	Osnovi računarstva, priručnik za vežbe - skripta	FTN, Novi Sad	2005

Table 5.2 Course specification

Course:			
Course id:	M105		**Mechanical Materials**
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. Šiđanin, K. Gerić	Mašinski materijali I - sveska 1	FTN, Novi Sad	2007
2,	L. Šiđanin, K. Gerić	Mašinski materijali I - sveska 2	FTN, Novi Sad	2007
3,	L. Šiđanin, 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

Table 5.2 Course specification

Course:			
Course id:	M101	**Technical Physics**	
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

Table 5.2 Course specification

Course:			
Course id:	Z151		**Chemistry in Mechanical Engineering**
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. Termochemistry. Fuels and lubricants.

4. Teaching methods:

Lectures. Laboratory and Computing Practice. Consultations – individual and group. During semester students are required to attend lectures, laboratory and computing practice. After successfully realized examination prerequisites, students take the final exam in written form, which consists of computational and theoretical part. Computational part of the final exam can be quarterly taken through the two colloquiums.

Knowledge evaluation (maximum 100 points)					
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

Table 5.2 Course specification

Course:		
Course id:	M106	**Mathematics 2**
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

Table 5.2 Course specification

Course:		
Course id:	M107	**Mechanics 2**
Number of ECTS:	5	
Teachers:		Cvetićanin J. Livija, Zuković M. Miodrag
Course status:		Mandatory

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
2	2	0	0	0

Precondition courses	None

1. Educational goal:

To develop abstract thinking and acquire basic knowledge in the field of Kinematics as the fundamental subject necessary for studying geometry of motion.

2. Educational outcomes (acquired knowledge):

Acquired knowledge necessary for the future mechanical engineer.

3. Course content/structure:

1. Time, space, objects and motion in kinematics. 2. Vector of point position. Trajectory and line of point direction. 3. Mean velocity and point acceleration. Momentary speed and point acceleration. 4. Hodographs of the point speed and acceleration. 5. Speed and point acceleration in Cartesian, polar, natural coordinates. 7. Point movements along the circle. 8. Translatory motion of a rigid body. 9. Circulation of body around a fixed axis. 10. Uniform and evenly changeable rotation of a rigid body around an axis. 11. Complex translatory movement. 12. Rotation of body around two axes which are intersected. 13. Motion of a body in the same direction around two parallel axes. 14. Motion in the opposite direction along two parallel axes. 15. Angle speed. 16. Intersection of angle speeds. 17. Complex body movement. 18. Plain motion of a rigid body. 19. Connection of point speeds in plain motion. 20. Independence of angle speed in a plain motion from the pole selection. 21. Theorem on speed projections of two points in plain motion. 22. Temporary speed pole of the plain motion. 23. Centroids. 24. Relationship of acceleration of body points in plain motion. 25. Momentary pole of acceleration in a plain motion. 26. Spherical motion of a rigid body. Number of degrees-of-freedom. 27. D`Alamber-Euler`s theorem. 28. Euler`s numbers. 29. Angle speed and angle acceleration of a body in spherical movement. 30. Speed and acceleration of the body points in spherical motion. 31. Axioms. 32. Free body motion. 33. Speed and acceleration of body points in free movement. 34. Complex point movement. 35. Speed and acceleration of a point in complex movement.

4. Teaching methods:

Lectures and practical classes.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	15.00	Written part of the exam - tasks and theory	Yes	15.00
Lecture attendance	Yes	15.00	Coloquium exam	Yes	40.00
			Oral part of the exam	Yes	15.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Đ. Đukić, L. Cvetićanin	Kinematika	FTN Novi Sad	2005
2,	R. Maretić	Kinematika - Zbirka zadataka	FTN Novi Sad	2004

Table 5.2 Course specification

Course:		
Course id:	M108	**Engineering Graphic Communications**
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

Table 5.2 Course specification

Course:		
Course id:	EJ01L	**English Language – Elementary**
Number of ECTS:	2	
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj 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

Table 5.2 Course specification

Course:	
Course id: EJM	**English Language – ESP Course**
Number of ECTS: 3	
Teachers:	Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj 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

Table 5.2 Course specification

Course:			
Course id:	M109		**Electric Machines and Power Electronics**
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

Table 5.2 Course specification

Course:			
Course id:	M112	**Electrical Engineering and Electric Machines**	
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. Transformators. Rotational electric machines. Alternating current machines. Asynchronous machines. Cage and Sliding ring motors. Direct current machines. Synchronous machines. Basic notions on electrical motor powers and application of power electronic devices. Examples of electric machine application in traffic (alternator, starter engine).

4. Teaching methods:

Lectures on the board, auditory practice and work in the laboratory through the demonstrated and individual laboratory practice.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	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

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

Table 5.2 Course specification

Course:		Mechanics 3
Course id:	M201	
Number of ECTS:	7	

Teachers:	Cvetićanin J. Livija, Kovačić N. Ivana, Zuković M. Miodrag
Course status:	Mandatory

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
3	3	0	0	0

Precondition courses	None

1. Educational goal:

Developing abstract intelligence for understanding dynamics and dynamical processes, as well as acquiring basic knowledge in dynamics as a fundamental field in mechanical engineering in everyday practice.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used by students in further education, as well as in their own practice after graduating.

3. Course content/structure:

Laws on dynamics. Types of forces. Tasks of dynamics. Differential equations for point motion. First integrals. Impulse, work, power and potential force energy. General laws on point dynamics. Stability of balanced point position. Properties of point motion in the field of central force. Point motion in the field of gravity force. Relative point motion. Point motion on smooth, rotational and immovable surface in the field of Earth`s gravity. Point motion on a line. Dynamics of the material point systems. Force classification. Equations on motion. General laws on the material system dynamics. Dynamics of the changeable mass point. Mescherski equation. Tsiolkovsky equation. Dynamic system torsor. D`Alamber`s principle. Work of internal forces of a rigid body. Work of couplings and moment of force. Translatory body motion. Moment of inertia. Steiner theorem. Moment of inertia in relation to a random axis. Centrifugal moment of inertia. Ellipsoid of inertia. Main and main central axis of inertia. Body rotation around an immovable axis. Plain motion of a rigid body and the rigid body system. Body rotation around immovable point. Approximate gyroscope theorem. Real and virtual motion. Ideal connections. Lagrange-D`Alamber principle. Generated coordinates. Generated forces. Lagrange equations of the second type. Lagrange function. Cyclic coordinate. Stability of the relative system balance. Fundamentals in the impact theory for a material point. Impact of the material point systems. Lagrange equations of the second type in impact.

4. Teaching methods:

Lectures are auditory for all students, practice are held in smaller groups.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	15.00	Written part of the exam - tasks and theory	Yes	15.00
Lecture attendance	Yes	15.00	Coloquium exam	Yes	40.00
			Oral part of the exam	Yes	15.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Božidar Vujanović	Dinamika	Naučna knjiga, Beograd	1976
2,	Đorđe Đukić, Teodor Atanacković, Livija Cvetićanin	Mehanika	Univerzitet u Novom Sadu	2005

Table 5.2 Course specification

Course:					
Course id:	M202		**Mechanical Elements**		
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

Table 5.2 Course specification

Course:			
Course id:	M204	**Strength of Materials**	
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

Table 5.2 Course specification

Course:		
Course id:	M213	**Machine Usage**
Number of ECTS:	5	
Teacher:	Klinar J. Ivan	
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:

Students acquire basic theoretical and practical knowledge in the field of tribology and tribological systems, theory of lubrication, wear and damage of the surfaces, anti friction materials, lubricants, motor oils, and other fluids as well as reliability theory and its application in machine exploitation and maintenance

2. Educational outcomes (acquired knowledge):

Students are capable of routinely using the acquired knowledge and skills working independently or in teams, as well as the ability of further advancement in the complex area of machine usage.

3. Course content/structure:

Fundamentals of tribology. Notion and definitions of tribology and tribological systems. Characteristics of tribological surface: structure, geometry and shape of tribological surface, relation of tribological surfaces in contact. Friction. Theories of lubrication: boundary, total and mixed lubrication. Wear and damage of the surfaces: definition and classification. Mechanical wear: adhesive wear, abrasive wear, flow erosion, fatigue wear, electrical erosion. Other forms of wear and damage of material surface: chemical, thermal and biological wear. Light metals and anti friction alloys.
Lubrication oils and grease: composition, physical and chemical properties, diagnostics and exchange criteria, classification and specifications according to rheology and operation properties. Organization of lubrication service and its tasks. Storage and distribution of lubricants. Lubricant handling. Waste lubricants and their treatment. Motor oils and other engine fluids. Reliability and application of reliability in machine exploitation and maintenance.

4. Teaching methods:

Oral presentation of the material accompanied with the use of suitable illustrations, schemes and diagrams. Auditory practice is related calculations and examples and laboratory practice is conducted using suitable laboratory equipment in the laboratory or service and repair workshops

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	50.00
Project task	Yes	15.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Klinar Ivan	Tehnička eksploatacija mašina	FTN, Novi Sad	2006

Table 5.2 Course specification

Course:		Fundamentals in Thermodynamics			
Course id:	M203L				
Number of ECTS:	5				
Teacher:		Dragutinović D. Gordan			
Course status:		Mandatory			

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
2	2	0	0		0

Precondition courses	None

1. Educational goal:

Introducing thermodynamic structure, thermodynamic concepts and methods for solving problems of energy conversion.

2. Educational outcomes (acquired knowledge):

Acquiring basic knowledge in solving technical tasks of thermal power engineering, thermal process engineering and designing thermal machines and plants.

3. Course content/structure:

(1) Thermodynamic system. Mechanical and thermodynamic axioms: conversion of mass, of impulse, first and second law of thermodynamics. (2) Equations of state: Thermal and caloric equations of state for substances (ideal gases, real gases – water and water vapour). (3) Processes. Perfect and real processes. Circular processes and thermodynamic efficiency of these processes (clockwise and counter-clockwise vapour and gas processes).

4. Teaching methods:

Lectures and auditory practice. Practice classes follow the lectures and include the advanced level of students` independence in solving assignments.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	70.00
Lecture attendance	Yes	5.00			
Test	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	M. Marić	Nauka o toploti - termodinamika, prenos toplote, sagorevanje	Univerzitet u Novom Sadu, Fakultet tehničkih nauka	2006
2,	Đ. Kozić, B. Vasiljević, V. Bekavac	Priručnik za termodinamiku i prostiranje toplote	Građevinska knjiga, Beograd	1983
3,	M. J. Moran, H.N. Shapiro	Fundamentals of Engineering Thermodynamics	John Wiley & Sons, Inc.	1992
4,	Y. A. Cengel, M.A. Boles	Thermodynamics: An Engineering Approach	McGrow-Hill	1998
5,	D. Malić, B. Đorđević, V. Valent	Termodinamika strujnih procesa	Građevinska knjiga, Beograd	1970

Table 5.2 Course specification

Course:		
Course id:	M205L	**Fundamentals in Fluid Mechanics**
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

Table 5.2 Course specification

Course:		Basics of Manufacturing Technologies 1
Course id:	M2061	
Number of ECTS:	4	

Teachers:	Gostimirović P. Marin, Kakaš I. Damir
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:

Acquiring basic knowledge in casting technologies. Study of equipment and tools essential in casting. Importance and application of casts in engineering. Gaining basic knowledge in area of cutting processes which are used in product design and selection of optimal methods and processes in manufacturing.

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. Gained knowledge in cutting technologies should enable designers of equipment and other devices to properly design products, and technologists to properly design phases and selection of optimal process parameters.

3. Course content/structure:

The importance, applications and trends of foundry technology at home and abroad. Technological specifics and necessary equipment for sand, permanent mold, die, lost wax and centrifugal casting technologies. Influence of part design, material selection and wall thickness on cast part quality. Specifics of quality control of cast parts. Importance and application of cutting technologies. Description of cutting systems. Basics of cutting processes (chip forming process, cutting forces and temperatures, tool wear, productivity, quality and precision). Turning machining. Drilling machining. Milling machining. Grinding machining. Non-convention machining. Technological machining processes and assembly. Fixtures for machining and assembly. Measurement and control.

4. Teaching methods:

Interactively in form of lectures and laboratory practical exercises. Theoretical part is presented in lectures and it is followed by appropriate exampled contributing easier understanding of the 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.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	Yes	2.50	Oral part of the exam	Yes	30.00
Laboratory exercise defence	Yes	5.00	Practical part of the exam - tasks	Yes	30.00
Lecture attendance	Yes	2.50			
Test	Yes	30.00			

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,	Kovač R.	Tehnologija izrade odlivaka	Fakultet tehničkih nauka, Novi Sad	2002
4,	Trent E., Wright P.	Metal Cutting	Butterworth–Heinemann, Woburn, USA	2000

Table 5.2 Course specification

Course:		
Course id:	M207A	**Computer-Aided Design**
Number of ECTS:	6	
Teacher:	Vladić M. Jovan	
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
2	0	2	0	2

Precondition courses	None

1. Educational goal:

Enabling students for acquiring basic knowledge on the design process and its automation by applying contemporary software tools.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used as a base for the application in professional courses oriented towards developing and designing machines and devices.

3. Course content/structure:

Introduction. Application of computers in mechanical engineering industry. Fundamentals in product development Significance and advantages of computer-aided design. Problems and real possibilities. Fundamentals in theory of design (conceptual design, construction and construction elaboration). Contemporary software systems. Systematization of technical components (CAD hardware). Organization and equipment in a designer`s working place. Automation of the design procedure. Fundamentals in computer graphics and geometric modelling. Introduction to engineering analysis. Automation of calculations in mechanical engineering by applying the programmes MATLAB and MATCAD. Fundamental principles in forming a virtual machine prototype on a computer (Virtual prototyping). Automated elaboration of technical documentation. Systematization of software support. Survey and basic properties of licensed software for the automation of the design procedure (Autodesk Inventor, CATIA V5). Examples of designing elements, joints, machines and mechanical systems.

4. Teaching methods:

Lectures and computer practice. During the teaching process, students have a possibility, on passing two partial examinations, to be excluded from the written part of the examination. Prerequisite for taking the final examination is successfully completed and defended two project tasks and one subject project. Final examination is related to the theoretical questions.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			
Project	Yes	30.00			
Project task	Yes	15.00			
Project task	Yes	15.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Vladić, J.	Kompjutersko projektovanje (skripta)	FTN Novi Sad	2011
2,	Jovanović, M.	Teorija projektovanja konstrukcija računarom	MF Niš	1994
3,	Jovanović, M., Jovanović, J.	CAD/FEA praktikum za projektovanje u mašinstvu	MF Niš, MF Podgorica	2000

Table 5.2 Course specification

Course:		
Course id:	M208	**Theory of Mechanisms and Machines**
Number of ECTS:	5	
Teacher:		Čavić M. Maja
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

1. Educational goal:

Introduction with the basic concepts and issues of analysis and synthesis of mechanisms and machines.

2. Educational outcomes (acquired knowledge):

Ability of using basic mechanisms in complex mechanical systems and machines, ability to apply basic methods for kinematic and dynamic analysis of mechanisms and machines.

3. Course content/structure:

Structural formula and the degree of freedom. Building mechanisms using kinematic groups – Artobolevsky condition. Graphic method for kinematic analysis of complex lever mechanisms. Application of the method of instantaneous centres in kinematic analysis. Analytical method for kinematic analysis of complex lever mechanisms. Kinematic analysis of planetery – differential mechanisms. Inertial forces in mechanisms. Kinostatic forces. Joukowsky theorem, reduced mechanism. Fundamentals of lever mechanisms balancing. Fundamentals of rotor balancing. Cam mechanism. Geneva mechanism. Cardano-Hook joint. Fundamentals of lever mechanisms synthesis .

4. Teaching methods:

Teaching methods are: lectures, graphic and computer practice, consultations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	5.00	Final exam - part one	Yes	32.00
Homework	Yes	5.00	Final exam - part two	Yes	18.00
Test	Yes	10.00	Theoretical part of the exam	Yes	20.00
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Zlokolica M., Čavić M., Kostić M.	Mehanika mašina	Fakultet tehničkih nauka, Novi Sad	2005
2,	Zlokolica M., Čavić M., Kostić M.	Odabrani primeri iz mehanike mašina	Fakultet tehničkih nauka, Novi Sad	2005

Table 5.2 Course specification

Course:		
Course id:	M301	**Driving Systems**
Number of ECTS:	5	
Teacher:		Šostakov S. Rastislav
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:

To acquire fundamental knowledge about the characteristics of driving motors and power transfer, as well as their synthesis in driving mechanisms of work machines, in accordance with the characteristics of work devices.

2. Educational outcomes (acquired knowledge):

Basic readiness for independent design work in the area of synthesis of driving mechanisms of work machines.

3. Course content/structure:

Work devices - classification, parameters, demands and restrictions. Work resistance – classification, demands and restrictions. Drive motors – classification, energy and preparation, demands and restrictions. Characteristics of electric, hydro, pneumatic and IC engines. Integration of power gear in a system: driving motor – work device: classification, parameters, demands and restrictions. Characteristics of power transmitting devices (gear ratio, degree of utilization) – electrical, mechanical, hydrodynamic, hydrostatic, pneumatic. Stationary and transient operating regime. Change of drive speed, efficiency, breaking, reversible work, self breaking. Multi motor drives, synchronization of operation. Power summing and dividing devices. Synchronization and combining of drive systems, main demands for control systems.

4. Teaching methods:

Lectures, visits to plants. practice classes: auditory (A), calculation (N) and Laboratory (i). Individual consultations. The examination consists of writing and defence of an individual paper and theoretical part (which can be taken in the form of colloquia).

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Final exam - part one	Yes	20.00
Lecture attendance	Yes	5.00	Final exam - part two	Yes	20.00
Test	Yes	10.00	Practical part of the exam - tasks	Yes	30.00
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	R. Šostakov	Pogonski sistemi (skripta)	FTN, Novi Sad	2004
2,	B. Jurković	Elektromotorni pogoni	Školska knjiga, Zagreb	1983
3,	Lj. Krsmanović, A. Gajić	Turbomašine. Hidrodinamički prenosnici snage	Mašinski fakultet, Beograd	2006

Table 5.2 Course specification

Course:		
Course id:	M302	**Fundamentals of IC Engines**
Number of ECTS:	5	
Teacher:		Dorić Ž. Jovan
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:

Students acquire basic theoretical and practical knowledge about engines with internal combustion

2. Educational outcomes (acquired knowledge):

Students are capable of routinely using the acquired knowledge and skills working independently or in teams, as well as the ability of further advancement in the area of IC engines.

3. Course content/structure:

Historical development and classification of IC engines. Definitions and basic terms. Description of main components and systems of IC engines: piston mechanism, distribution mechanism, fuel supply, cooling, lubrication, ignition, starting. Theoretical and real cycles of IC engines. Basic indicator and effective signs. Basic drive characteristics of IC engines.

4. Teaching methods:

Teaching takes the form of lectures, computing and laboratory practice and consultations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	15.00	Oral part of the exam	Yes	50.00
Lecture attendance	Yes	5.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Dorić J.	Osnovi motora SUS (izvodi sa predavanja)	FTN	2012
2,	Klinar I.	Motori SUS	FTN Novi Sad	2010
3,	Torović T.	Osnovi motora SUS	FTN Novi Sad	1997
4,	Tomić, M.,Petrović,S.	Motori sa unutrašnjim sagorevanjem	Mašinski fakultet, Beograd	1994

Table 5.2 Course specification

Course:		
Course id:	M303	**Fundamentals of Motor Vehicles**
Number of ECTS:	5	
Teacher:	Časnji F. Ferenc	
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
2	1	1	0	2

Precondition courses	None

1. Educational goal:

Acquiring basic knowledge about the way motor vehicle operate and how they are constructed.

2. Educational outcomes (acquired knowledge):

Students are capable of using the acquired knowledge and skills in solving routine engineering tasks in the area of automotive technologies.

3. Course content/structure:

Definition of a motor vehicle. Main components of a motor vehicle. Friction and hydrodynamic clutch.. Synchronized, planetary, hydrodynamic, and frictional gearbox. Universal joint. drive bridge: master transmission, differential (without friction, with additional friction), semi-shafts. Power distributor with multiple axle drive (4WD). Chassis. Wheel and pneumatic. System for elastic cushioning for wheels: Types of system, springs and shock absorbers. Steering systems: types of systems, steering mechanisms. Breaking system: hydraulic, pneumatic, hydro pneumatic system, components of transmission mechanisms, drum brakes and disk brakes, regulation of braking force.

4. Teaching methods:

Lectures, practice classes, visits to fairs and companies, consultations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	50.00
Lecture attendance	Yes	5.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Časnji F., Poznanović N.	Motorna vozila (izvodi sa predavanja)	--	2007
2,	Milidrag S.,Popvić Z.,Muždeka S.	Drumska motorna vozila	Fakultet tehničkih nauka u Novom Sadu	2002
3,	Časnji F., Klinar I., Muzikravić V.	Savremene tendencije u automobilskoj tehnici	DDOR Novi Sad, Novi Sad	2001
4,	Janićijević N.,Janković D.,Todorović J.	Konstrukcija motornih vozila	Mašinski fakultet u Beogradu	1979

Table 5.2 Course specification

Course:			
Course id:	M304	**Biosystem Machines 1**	
Number of ECTS:	5		
Teachers:		Martinov L. Milan, Veselinov V. Branislav	
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:

Acquiring fundamental knowledge on agricultural machines.

2. Educational outcomes (acquired knowledge):

Knowledge on technologies and agricultural production machines.

3. Course content/structure:

Study programme, projects, literature, role of engineers in biosystems. Patents, development tendencies, innovations, standards. Occupational safety in operating agricultural machines, construction solutions. Land cultivation – procedures. Basic and additional land cultivation. Modern land cultivation procedures – conservation processing. Mineral fertilizers distribution. Organic fertilizers distribution. Chemical protection procedure. Biomaterials characteristics. Biomaterials cutting. Trnalatorz mowing equipment. Rotary mowing equipment. Mowing machines. Combines. Agricultural machine transport. Biomaterials pressing. Separation and classification of herbal materials.

4. Teaching methods:

Auditory classes and laboratory practice, visits to farms and agricultural machine factories visits.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Final exam - part one	Yes	20.00
Homework	Yes	5.00	Final exam - part two	Yes	50.00
Homework	Yes	5.00			
Homework	Yes	5.00			
Homework	Yes	5.00			
Lecture attendance	Yes	5.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Tešić, M., Martinov, M.	Predlošci za nastavu iz poljoprivrednih mašina	Institut za mehanizaciju Fakulteta tehničkih nauka, Novi Sad	2001
2,	Tešić, M.	Principi rada mašina za žetvu travnatih materijala	Institut za mehanizaciju Fakulteta tehničkih nauka, Novi Sad	1984
3,	Vojvodić, M. at al.	Mehanizacija poljoprivredne proizvodnje I, Mehanizacija u biljnoj proizvodnji	„Pro agrar", Zemun-Vinkovci	1992

Table 5.2 Course specification

Course:		Fundamentals of Transportation Machines			
Course id:	M312A				
Number of ECTS:	5				
Teachers:		Šostakov S. Rastislav, Vladić M. Jovan			
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:

Students are introduced to fundamentals of transport processes and material flow and are able to calculate basic parameters of transport machines and devices.

2. Educational outcomes (acquired knowledge):

The acquired knowledge can be used in practice for developing preliminary designs for transport systems and professional choice and maintenance of transport devices and it provides theoretical basis for other engineering subjects.

3. Course content/structure:

Introduction. Demands of modern society – role and importance. Material flow. Characteristics and classification of means of transport. Module 1: UNINTERRUPTED TRANSPORT MACHINES Uninterrupted transport (belt conveyers) Conveyers with traction element. Conveyers without traction element. Flexible transport systems. FTrS).Automated transport lines (ATrL). Module 2 : INTERRUPTED TRANSPORT MACHINES Internal transport means. Basic parameters of interrupted transport machines. Particular characteristics of typical types of interrupted transport machines. Drive mechanisms with interrupted transport machines, constructions, basic parameters.

4. Teaching methods:

Lectures. Practice classes: Calculation (N) , laboratory (L) The examination is written and oral (can be taken in the form of partial examinations)

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	70.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Babin, N., Vladić, J., Šostakov, R.	Transportna sredstva (skripta)	FTN, Novi Sad	1999
2,	Vladić, J.	Osnovi transportnih mašina - Mašine i uređaji neprekidnog transporta (skripta)	FTN, Novi Sad	2010

Table 5.2 Course specification

Course:		CAD/CAE Course			
Course id:	M313A				
Number of ECTS:	5				
Teacher:		Vladić M. Jovan			
Course status:		Elective			

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
1	0	1	0		2

Precondition courses	None

1. Educational goal:

Students will be able to use CAD/CAE software tools for automation of design procedures.

2. Educational outcomes (acquired knowledge):

Acquired knowledge can be used as a tool fro developing preliminary and final designs of machines and devices.

3. Course content/structure:

Geometric modelling (CAD). Part modeler for parameter, object oriented modeling. Surface modeler for editing of complex curves in space. Assembly modeler. Automatic development of technical documentation (Drawing Layout). Autodesk Inventor. Creating technical elements (features). Work with assemblies. Generating technical documentation. Environment setting. CATIA. Mechanical Design, module of CATIA software package as a core for developing production from product concept through design to complete development of technical documentation. Knowledgeware module for parameter, object oriented modeling. Definition of relations and rules between parameters. Grounds for elaboration of parts datebase. Shape Design. Wireframe, surface and solid models. Tools for advanced modelling and modelling of copmlex surfaces. Introduction to engineering analysis (CAE). Modules for kinematic animations of mechanisms and machines. Kinematic joints between elements. Kinematic pairs and kinematic chains.

4. Teaching methods:

Lectures and computer practice. During the teaching process, students work two project tasks and one subject project. According to results of appropriate licensed software modules, students have possibilities for certifications.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			
Project	Yes	30.00			
Project task	Yes	15.00			
Project task	Yes	15.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Jovanović, M., Jovanović, J.	CAD/FEA praktikum za projektovanje u mašinstvu	MF Niš i MF Podgorica, Podgorica	2000
2,	-	CATIA Web-based Learning Solutions	Dassault Systemes	-
3,	Vladić, J., Đokić, R.	Praktikum CAD/CAE (skripta)	FTN Novi Sad	2012
4,	Zamani, G.N., Weaver, M.J.	CATIA V5 Tutorials in Mechanism Design and Animation	SDC Publications	2006

Table 5.2 Course specification

Course:		
Course id:	M315	Hydraulic Transmissions in Mechanization
Number of ECTS:	5	

Teacher:	Malešev T. Petar
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:

Preparation for understanding the functioning, synthesis, exploitation and maintenance of hydraulic static transmission systems.

2. Educational outcomes (acquired knowledge):

Hydraulic components - construction and functioning, synthesis and calculation of hydraulic systems, maintenance.

3. Course content/structure:

Introduction to the course. Hydraulic oils. Hydraulic cylinders. Hydraulic pumps and motors. Pressure valves. Flow valves. Distributors. Tanks. Filters. Hydraulic accumulators. Oil coolers. Pipielines. Synthesis of hydrostatic transmission systems. Degree of use of hydrolic components. Regulation of hydrotransmitters. Examples of hydrolic systems with machines. Maintenance and defects with hydrostatic transmission systems.

4. Teaching methods:

Lectures. Auditory, calculation and laboratory practice. There is a possibility for students` active participation in class and taking partial examinations during the semester.

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			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Kelić., V.	Hidroprenosnici	Naučna knjiga, Beograd	1989
2,	Malešev P.	Hidroprenosnici u mehanizaciji, skripta	FTN-Novi Sad	2010

Table 5.2 Course specification

Course:		
Course id:	IM1022	Fundamentals of technical systems control
Number of ECTS:	4	
Teachers:		Stankovski V. Stevan, Ostojić M. Gordana, Pekarić-Nađ M. Neda, Jovanović M. Vukica
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 introduce students to the basic techniques and equipment used for control and regulation of technical systems in manufacturing and service companies.

2. Educational outcomes (acquired knowledge):

Outcome of the subject is mastering the methods of control of technical systems applied in different types of businesses.

3. Course content/structure:

Introduction to the basic components of technical systems. Basic principles of control of technical systems. Automated systems. Mechatronic systems. Mathematical descriptions of objects that are controlled. Principles of implementation of control systems. Examples of technical systems control.

4. Teaching methods:

Teaching is conducted through lectures and exercises. During the exercises the student is required to do practice-oriented tasks. Knowledge testing is carried out through two tests and the final exam, while before that student has to do all the exercises provided. The final exam is in written form.

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	Coloquium exam	No	20.00
Test	Yes	10.00	Coloquium exam	No	20.00
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Milić Stojić	Kontinulani sistemi automatskog upravljanja	Načna knjiga	2001
2,	Groover P. Mikell	Automation, production System and Computer Integrated Manufacturing	Prentice Hall	2003

Table 5.2 Course specification

Course:					
Course id:	M2410		Mechanism Synthesis		
Number of ECTS:	5				
Teacher:		Čavić M. Maja			
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					

1. Educational goal:

Students are introduced to specific problems of mechanism synthesis.

2. Educational outcomes (acquired knowledge):

Students are able to apply synthesis of mechanisms to practical problems.

3. Course content/structure:

General conditions of mechanism efficiency. Synthesis of mechanisms for a designated kinematics task. Graphic and analytical methods of synthesis of mechanisms for generating motion, generating, path and generating function. Synthesis of mechanisms for a designated dynamic task. Synthesis of cam mechanisms (general conditions of efficiency, choice of laws of motion, synthesis for a designated dynamic and dynamic task(. Synthesis of complex mechanisms. Basics of optimal synthesis.Synthesis metods application in design of real mechanisms. Evaluation and analysis of designed mechanisms.

4. Teaching methods:

Teaching methods include: lectures; graphic and computer practice classes, consultations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	5.00	Final exam - part one	Yes	15.00
Project task	Yes	15.00	Final exam - part two	Yes	15.00
Test	Yes	10.00	Practical part of the exam - tasks	Yes	40.00
Literature					
Ord.	Author	Title		Publisher	Year
1,	Zlokolica M, Čavić M, Kostić M.	Mehanika mašina		FTN Novi Sad	2005
2,	Zlokolica M., Cvetićanin L.	Prenos snage i kretanja		FTN Novi Sad	1989
3,	Suh, C.W. Radcliffe	Kinematics and Mechanism Design		John Wiley and Sons inc., New York	1979
4,	Norton R. L	Design of Machinery		McGraw-Hill, Inc	2004

Table 5.2 Course specification

Course:		
Course id:	M2411	**Theory of Oscillation**
Number of ECTS:	5	
Teachers:		Cvetićanin 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

Table 5.2 Course specification

Course:		
Course id:	M325	**Automatic Control Systems**
Number of ECTS:	5	

Teacher:	Kulić J. Filip
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:

Introducing students to the theoretical and practical basis of analysis and synthesis of the automatic control system.

2. Educational outcomes (acquired knowledge):

The acquired knowledge can be used in solving practical engineering problems and forms a basis for future engineering subjects.

3. Course content/structure:

Basic notions and principles of automatic control systems. Mathematical description of continual linear and non linear systems. Quality evaluation and of control in stationary and transition regime. Analysis of system stability using analytical methods. Root locus. Analysis and syntheses of system in frequency domain. Nyquist stability criteria, Bode method, Concept of space of system state. Choice and adjusting of parameters of industrial regulators. PID regulators, Elements of digital control systems. Introduction to computer application in control.

4. Teaching methods:

Lectures, calculation, laboratory, computer and computer-laboratory practice. Consultations. Part of the course which forms a logical whole can be taken in the form of a colloquium. Colloquium and examinationsare oral and written. Both parts are taken in written form. The final grade is formed on the bases of performance at the colloquium, computer-laboratory practice and the written and oral examination.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Test	Yes	10.00	Theoretical part of the exam	Yes	20.00
Test	Yes	10.00	Practical part of the exam - tasks	Yes	50.00
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Milić Stojić	Kontinualni sistemi automatskog upravljanja		1978
2,	Richard Dorf; Robert Bishop	Modern Control Systems		2010
3,	Filip Kulić	Skripte za predmet Sistemi automatskog upravljanja		2005

Table 5.2 Course specification

Course:		
Course id:	M305A	**Metal Structures**
Number of ECTS:	7	

Teacher:	Zuber F. Ninoslav
Course status:	Mandatory

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:

Systematic acquisition of the necessary knowledge for correct understanding of the process of design, calculation and construction, building and exploitation of support structures of mechanical systems.

2. Educational outcomes (acquired knowledge):

The acquired knowledge provides the necessary foundation for the engineering work in the process of design and exploitation of mechanical structures of technical objects and machines

3. Course content/structure:

Introduction. Design and construction of mechanical structures: mechanization means, transport machines and vehicles. Concept of proof of load capacity of a structure. Elements of theory of framework structure (grid, frame, framework structures with mixed joints, box carriers and pressure vessels). Theory of structure calculation by metric method of analysis, supported by computer. Dimensioning and constructing structural elements. Elastic stability of metal structures. Joining structural elements . Introducing load to structure.   Synthesis of light metal structures . Testing and verification of structure successfulness

4. Teaching methods:

Lectures, consultations and visits to companies. Practice classes: numerical (N), laboratory (L), Calculation (C) 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	50.00
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			
Project task	Yes	15.00			
Project task	Yes	15.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Brkljač N.	Autorizovana napisana predavanja predmetnog nastavnika	FTN, Novi Sad	1995
2,	Momirski M.	Elementi teorije skeletnih konstrukcija	FTN, Novi Sad	1982
3,	Babin N.,Brkljač N.,Šostakov R.	Metalne konstrukcije	FTN, Novi Sad	2006
4,	Petković Z., Ostrić D.	Metalne konstrukcije u mašinogradnji I	Mašinski fakultet Beograd	1996
5,	M. Milosavljević, M. Radojković, B. Kuzmanović	Osnovi čeličnih konstrukcija	Građevinska knjiga - Beograd	1984

Table 5.2 Course specification

Course:			
Course id:	M308	**Engineering Logistics and Simulation**	
Number of ECTS:	5		
Teacher:		Georgijević S. Milosav	
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:

The aim is that students of mechanical engineering acquire part of general system knowledge which is necessary fro proper design and construction, according to present standards.

2. Educational outcomes (acquired knowledge):

Student gain basic knowledge in engineering logistics covering areas from distribution of goods, production processes and storage to Supply Chain Management.

3. Course content/structure:

Logistics, history, nature and logistics, basic aspects, structure and processes.
Technical logistics.
Logistics in goods transport and distribution. Information systems.
Production logistics, material flow and Supply Chain Management.
Logistics of warehouses, physical functions and commissioning. How much does logistics cost?
Logistics of development and quality. Computer simulations as a bases fro optimization.

4. Teaching methods:

Students` active participation in the etching process. Knowledge assessment is during the classes and written and oral examination.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			
Project	Yes	50.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Georgijević, M.	Tehnička logistika, skripta	-	-
2,	Baeune R., Martin H., Schulze L.	Handbuch der innenbetrieblichen Logistik	Jungheinrich, Hamburg	1998

Table 5.2 Course specification

Course:		
Course id:	M2407	**Biosystem Machines 2**
Number of ECTS:	5	

Teachers:	Martinov L. Milan, Veselinov V. Branislav
Course status:	Mandatory

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
3	2	1	0	0

Precondition courses	None

1. Educational goal:

To acquire knowledge about the procedures and machines for advanced agricultural production of special types of plant species.

2. Educational outcomes (acquired knowledge):

Knowledge about contemporary procedures, design, construction and production of machines for special types of plant species.

3. Course content/structure:

Introduction, overview of machines and devices in agriculture, specific characteristics of agriculture in our country. Procures for conquering a product, development of structure, calculation of costs, choice of a solution, improvement of a solution. Physical properties of plant materials: humidity, dimensions, shape, friction, hardness, description of a collective, current characteristics, electrical characteristics, optical characteristics, chemical characteristics, reology. Application of physical properties of plant materials on the machines and equipment. Transport in agriculture. Procedures, machines and equipment for production of medicinal plants, development of mechanization for special types of plant species. Procedures and equipment fro conservation, drying and storage. Procedures, machines and equipment in animal husbandry. Plants for production in protected environment, tunnels, greenhouses and hothouses. After harvest procedures, machines and equipment. Procedures, equipment and machines for irrigation.

4. Teaching methods:

Auditory, teaching on the economy with special plant species or use of alternative sources of energy, at the Medicinal plant fair, examination.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Final exam - part one	Yes	30.00
Lecture attendance	Yes	5.00	Final exam - part two	Yes	40.00
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Martinov, M.	Predloške za nastavu iz predmeta Mašine za biosisteme 2	Institut za mehanizaciju Fakulteta tehničkih nauka, Novi Sad	2004
2,	Bajkin, A.	Mehanizacija u povrtarstvu	Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad	1994
3,	Mohsenin, N. N.	Physical Properties of Plant and Animal Materials	Gordon and Breach Science Publishers, New York	1980
4,	Öztekin S., Martinov M.	Medicinal and aromatic crops - harvesting, Drying and Processing	Haworth Food & Agric. Products Press, New York	2007

Table 5.2 Course specification

Course:		
Course id:	M2062	**Mechanical engineering technologies 2**
Number of ECTS:	4	

Teachers:	Baloš S. Sebastian, 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	0

Precondition courses	None

1. Educational goal:

The aim is student education in the field of mechanical engineering technologies: welding and metal forming.

2. Educational outcomes (acquired knowledge):

The excpectances are basic knowledge in welding and metal forming.

3. Course content/structure:

Metal forming :Theoretical basics, material formability, friction and lubrication in forming processes. Bulk metal forming processes (upsetting, extrusion, forging). Sheet metal forming (trimming, punching, bending, deep drawing). Machines and tools for metal forming. Welding: basic principles, conventional welding procedures, unconventional welding procedures.

4. Teaching methods:

Lectures in this subject are interactive with practical examples of engineering materials application. Exercises comprise both individual and team work regarding problem solving and calculation of experimental work obtained in laboratory conditions.

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,	V.Palić	Tehnlogija zavarivanja	FTN Novi Sad	1987
2,	Plančak M., Vilotić D.	Tehnologija plastičnog deformisanja	FTN, Novi Sad	2012

Table 5.2 Course specification

Course:			
Course id:	M306	**Professional Practice**	
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:

Acquiring direct knowledge on the functioning and organization of companies and institutions dealing with jobs within the profession for which students are being educated, as well as the possibilities for applying previously acquired knowledge in practice.

2. Educational outcomes (acquired knowledge):

Enabling students to apply previously acquired theoretical and professional knowledge for solving the specific engineering problems within the selected company or institution. Introducing students to the activities of the selected company or institution, their business manners, management, and the importance and role of engineers in their organizational structures.

3. Course content/structure:

It is made individually for each candidate, in agreement with the board of the company or institution in which the professional practice is held, and in accordance with the demands of the profession for which the students is being educated.

4. Teaching methods:

Consultations and writing a professional practice diary in which the student describes the activities and jobs performed during the professional practice.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations		Mandatory	Points	Final exam	Mandatory	Points

Literature				
Ord.	Author	Title	Publisher	Year

Table 5.2 Course specification

Course:		
Course id:	EJ02L	**English Language – Pre-Intermediate**
Number of ECTS:	2	
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj 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

1. Educational goal:

Broadening the knowledge of the English language: broadening the vocabulary related to everyday situations, adoption of basic prefixes and suffixes, compound words and collocations, broadening the use of tenses, adoption of complex sentence structures.

2. Educational outcomes (acquired knowledge):

Students are able to use spoken and written English in everyday situations using wider word fund and more complex sentence structures.

3. Course content/structure:

Word formation (prefixes, suffixes, compound words), some phrasal verbs, collocations. Broadening the use of tenses (Present Continuous, Present Perfect Simple and Continuous, Past Perfect, Past Continuous, future forms). Adoption of a larger number of irregular verbs. First and Second Conditional.

4. Teaching methods:

Communicative method is used, since objectives and contents of the course are aimed at communication, which is very complex. This method contributes to balanced development of all language skills. The emphasis is placed on the student activities during lectures and their interaction with the teacher and among themselves.

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 Pre-Intermediate	Oxford University Press, Oxford	2002
2,	John Eastwood	Oxford English Grammar Intermediate	Oxford University Press, Oxford	2006
3,	Grupa autora	Oxford English -Serbian Dictionary	Oxford University Press	2006

Table 5.2 Course specification

Course:		
Course id:	M310A	Road Vehicle Theory
Number of ECTS:	5	
Teacher:	Časnji F. Ferenc	
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:

Students gain basic knowledge about how motion is realized and the influence of construction parameters on traction and exploitation characteristics of road vehicles.

2. Educational outcomes (acquired knowledge):

Ability to routinely use the acquired knowledge and skills in the area of motion and exploitation of road vehicles, and to see his/her place in a team work as well as to advance one`s knowledge.

3. Course content/structure:

Mechanics of wheel with pneumatics.: basic concepts, rolling resistance, longitudinal slip, tyre adhesion in traction and braking, lateral forces and lateral slip, aqua-planning, tire stiffness. Vehicle`s traction force performances: motion equation, aerodynamic forces, influence of driving aggregate and transmission properties onto traction force performances, start time and distance, braking performance, fuel consumption. Vehicle characteristics: steering geometry, neutral steering, understeer, oversteer, influential parameters. steer tests. Vehicle stability: lateral, longitudinal, in a curve. Pneumatic models. Vehicle models. Basic notions about vertical dynamics of a vehicle.

4. Teaching methods:

Lectures, laboratory practice, calculation practice, consultations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	70.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	B. Stojić	Teorija kretanja drumskih vozila – skripta	Fakultet tehničkih nauka, Novi Sad	2010
2,	B. Stojić	Uputstvo za izradu vučnog proračuna	Fakultet tehničkih nauka, Novi Sad	2009
3,	D. Janković, J. Todorović	Teorija kretanja motornih vozila	Mašinski fakultet u Beogradu	1990
4,	D. Simić	Motorna vozila	Tehnička knjiga Beograd	1973
5,	Janković D.	Motorna vozila - teorija i konstrukcija	Mašinski fakultet Beograd	1993

Table 5.2 Course specification

Course:					
Course id:	NJ04L	German Language – Upper-Intermediate			
Number of ECTS:	2				
Teacher:		Berić B. Andrijana			
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:

Mastering vocabulary, developing language communicative competence in a wide range of everyday situations, mastering more complex language structures.

2. Educational outcomes (acquired knowledge):

Students have mastered oral and written language in the wide range of everyday situations using larger vocabulary and more complex grammatical structures. They can explain their own opinions and attitudes in more detail.

3. Course content/structure:

Practical part of the course: mastering the description of everyday complex situations, both orally and in writing, better understanding of a listened text. Theoretical part of the course: some time clauses, antonyms, final sentences, warden in passive and future, future, explaining purpose using the linking words: weil, denn, deshalb, da and wegen.

4. Teaching methods:

Emphasis is on the communication method, and hence on students` activity during the class. During the communication, mutual interaction is essential. A number of grammatical exercises following teaching units are also present.

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,	M.Perlmann-Balme, A. Tomaszewski, Dörte Weers	Themen aktuell 3 (Lektion 6-Lektion 10)	Hueber Verlag	2004

Table 5.2 Course specification

Course:			
Course id:	I914		**Project Management**
Number of ECTS:	5		
Teachers:		Marić B. Branislav, Radaković J. Nikola	
Course status:		Elective	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
2	2	0	0	0

Precondition courses	None

1. Educational goal:

The aim of this course is to provide students with basic knowledge about management and project management methodology due to carry out projects; it can be applied to specific examples in future practice.

2. Educational outcomes (acquired knowledge):

Students will be trained to solved cases and write seminar papers, to apply the knowledge about project management in solving problems according to the worldwide accepted methodology in future practice.

3. Course content/structure:

Introduction: What is the project, the types of projects, basic concepts and definitions. Project management basics: basic principles of Project management, project life cycle, project organization, roles on the project. Initiation of the project: project description, feasibility studies, design concept, making a decision on the project. Project planning: project structuring, project scheduling, cost planning, risk assessment. Implementation of the project: project execution, monitoring and control activities, reporting, completion of the project. Risk management: risk identification, risk assessment, monitoring and correction. Computer support project management: the basics, MS Project.

4. Teaching methods:

The lectures will provide students with theoretical background in project management supported by real examples according to the thematic units listed in the course content. The exercises will present examples of performed projects, and the students will independently or in teams, choose their own project and carry out all project management activities according to the methodology described on lectures. Students will use computer tools (MS Project) as well.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	70.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Radaković, N., Stanivuković, D., Morača, S.	Osnove upravljanja projektima (u pripremi)	Fakultet tehničkih nauka - Novi sad	2007
2,	Jovanović, P.	Upravljanje projektima	Fakultet organizacioni nauka - beograd	1995
3,	Grupa autora	A Guide to the Project Management Body of Knowledge (PMBOK® Guide), 2004 Edition		2004
4,	Harvey Maylor	Project Management	Prentice Hall	2003

Table 5.2 Course specification

Course:		IC Engines		
Course id:	M2403A			
Number of ECTS:	6			
Teacher:		Dorić Ž. Jovan		
Course status:		Mandatory		

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:

Gaining wide and in depth knowledge and skills in the area of engines with internal combustion (IC engines).

2. Educational outcomes (acquired knowledge):

The ability to use the acquired knowledge and skills independently and creatively, solve special and non-routine problems and understanding of new trends in the development of motor industry.

3. Course content/structure:

Definition, history and classification of IC engines. Theoretical engine cycle: Otto, Diesel, combined – analysis and comparison. Semi theoretical cycle. Analysis of real cycles and choice of parameters of calculation cycle. Process of exchange of work matter of 4 stroke engine with suction and supercharging and specific characteristics of 2 stroke engines. Compression process. Combustion process. Expansion process. Analysis of engine indicators: mean indicated pressure, indicated power, specific indicated fuel consumption, indicated degree of utilization and degree of success of real cycle. Analysis of engine effectiveness: Mean effective pressure, effective power, mechanical losses, specific effective fuel consumption and effective degree of utilization. Thermal balance. Achieving mixture and analysis of combustion process with otto and Diesel engines. Phases in normal combustion process. Forms of abnormal combustion. Forming combustion space with otto and Diesel engines. Drive characteristics of engines: analysis of velocity, load, propelling, combined reglage and other characteristics.

4. Teaching methods:

Lectures, computing and laboratory practice, consultations. Oral presentation of the material is accompanied by suitable illustrations, diagrams, and schemes using computer and beam or overhead projector. Computing practice provide examples and laboratory practice is conducted with test benches for testing IC engines using suitable laboratory equipment.

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	35.00
Homework	Yes	5.00	Oral part of the exam	Yes	35.00
Lecture attendance	Yes	5.00			
Project	Yes	15.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	T.Torović,Ž.Antonić	Osnovi motora SUS	Fakultet tehničkih nauka, Novi Sad	1997
2,	M. Živković	Motori sa unutrašnjim sagorevanjem	Mašinski fakultet Beograd	1976
3,	D.Radonjić, R.Pešić	Toplotni proračun motora SUS	Mašinski fakultet , Kragujevac	1996

Table 5.2 Course specification

Course:			
Course id:	M2404A		**Motor Vehicles**
Number of ECTS:	5		
Teacher:		Časnji F. Ferenc	
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:

Students will gain wide and in-depth knowledge and skills in the area of motor vehicles.

2. Educational outcomes (acquired knowledge):

Ability to independently and creatively use the acquired knowledge and skills and understanding of new trends in the development of motor industry,

3. Course content/structure:

Classification of motor vehiclesfrom the aspect of technical and exploitational characteristics. Technical conditions relevant for safety and design and exploitation of vehicles. Vehicle safety: systems for increasing passive safety, vehicle collision, maintenance in as a function of safety, technical expertise and forensics. Conceprt of motocycle making and basic functional parts, theory of motocyclre motion. Hybrid nad electrical vehicles: concepts, and basic functional units. Design od motor vehicle on the basis of choice of basic aggregate, system and components.

4. Teaching methods:

Lectures, auditory practice, laboratory practice, consultations. .

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	50.00
Lecture attendance	Yes	5.00			
Project task	Yes	40.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Demić M.	Projektovanje putničkih automobila	Mašinski fakultet u Kragujevcu	2004
2,	Simić D.	Motorna vozila	Beograd	1973
3,	Demić M. Pijevac V., Ćalić S., Vasiljević M.	Osnovi projektovanja teretnih motornih vozila	Mašinski fakultet u Kragujevcu	1994

Table 5.2 Course specification

Course:			
Course id:	M2406	**Construction and Utility Machines**	
Number of ECTS:	7		
Teacher:		Malešev T. Petar	
Course status:		Mandatory	

Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:		Other classes:
3	2	1	0		0

Precondition courses	None

1. Educational goal:

Preparation for successful design, exploitation and maintenance of construction and utility machines.

2. Educational outcomes (acquired knowledge):

Types of machines, construction of machines, conditions for use and method of operation, capacity calculation, determining critical load for a work device, maintenance of machines.

3. Course content/structure:

Introduction. Soil. Construction machines for earthwork – introduction. Construction machines for earthwork – machines with cyclical operation. Construction machines for earthwork – machines with continuous operation. Machines for stone fragmentation and classification. Machines for production, transport and installation of concrete. Machines for production, transport and installation of asphalt concrete. Utility machines.

4. Teaching methods:

Lectures; Auditory and laboratory practice. Students can participate in the teaching processes and take partial examinations during the semester.

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			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Plavšić, M.	Građevinske mašine	Naučna knjiga, Beograd	1990
2,	Jevtić, V.	Građevinske i rudarske mašine	Univerzitet u Nišu	1995

Table 5.2 Course specification

Course:		
Course id:	M2402	**Continuous and Automated Transport**
Number of ECTS:	7	
Teacher:		Vladić M. Jovan
Course status:		Mandatory

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
3	2	1	0	0

Precondition courses	None

1. Educational goal:

Gaining professional knowledge about the design of transport processes, material flow, transport machines and equipment.

2. Educational outcomes (acquired knowledge):

The acquired knowledge can be used in practice for the devilment of preliminary and main projects, optimal choice and exploitation of transport systems and equipment.

3. Course content/structure:

Introduction. Transport material. Characteristics of piece and bulk material. Calculation and construction of mechanical transporters. Transporters with a traction element (ribbon, plate, rake, suspension and elevator). Transporters without a traction element (gravitation, vibration, cylinder and worm. Calculation and construction of specific devices of continuous transport (elevators, cable cars, pneumatic transport, …) Calculation and construction of machines and devices of automated transport (automatically controlled vehicles, manipulators and industrial robots, flexible monorail and double rail gantry cranes, electrical descent decelerators…) Fundamentals of control of machines and equipment with continuous operation. Basic characteristics of transporting systems design.

4. Teaching methods:

Teaching takes the form of lectures, auditory, laboratory and computer practice classes.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	70.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Vladić J.	Transportno manipulacioni sistemi, (skripta)	FTN, Novi Sad	2006
2,	Vladić J.	Neprekidni i automatizovani transport I deo (skripta)	FTN, Novi Sad	1999
3,	Vladić J.	Mehanizacija i tehnologija pretovara	FTN, Novi Sad	2005
4,	Jevtić V.	Transportne mašine	Mašinski fakultet Niš	2001
5,	Tošić S.	Transportni uređaji	Mašinski fakultet Beograd	1990
6,	Vladić J.	Neprekidni i automatizovani transport II deo (skripta)	FTN, Novi Sad	1999

Table 5.2 Course specification

Course:		
Course id:	M2409	**Power and Motion Transmission**
Number of ECTS:	4	
Teacher:	Čavić M. Maja	
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

1. Educational goal:

Introduce students to specific mechanisms and improve skills in kinematic and dynamic mechanism analysis.

2. Educational outcomes (acquired knowledge):

Ability for application of specific mechanisms in practical problems as well as performing kinematic and dynamic analysis of mechanisms and machines in real conditions.

3. Course content/structure:

Basics of centrode theory. Centrode transmissions. Transmissions with variable velocity ratio. Harmonic drive transmission. Analysis of planetary-differential gears (geometry, kinematics and dynamics). The dynamics of cam mechanisms. Design of cam mechanisms for a given kinematic task. Freewheel mechanism. Mechanisms with intermittent motion. Analysis of Geneva mechanisms(geometry, kinematics and dynamics). Lever mechanisms of complex structures. Design of linkages for a given kinematic task. Reduced mass and moment of inertia. Reduced force and torque. Equations of mechanism motion . Velocity regulation. Flywheel design.

4. Teaching methods:

Teaching forms: lectures, graphic and computer practical classes, consultations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	5.00	Final exam - part one	Yes	25.00
Presentation	Yes	10.00	Final exam - part two	Yes	25.00
Project task	Yes	15.00	Practical part of the exam - tasks	Yes	20.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Zlokolica M., Čavić M., Kostić M.	Mehanika mašina	Fakultet tehničkin nauka, Novi Sad	2005
2,	Zlokolica M., Cvetićanin L.	Prenos snage i kretanja	Fakultet tehničkih nauka, Novi Sad	1989
3,	Norton R. L.	Design of Machinery	McGraw-Hill, Inc.	2004

Table 5.2 Course specification

Course:			
Course id:	M2525		**Mechanisms**
Number of ECTS:	4		
Teacher:		Čavić M. Maja	
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	

1. Educational goal:

Expanding knowledge in the field of mechanism and machine theory.

2. Educational outcomes (acquired knowledge):

Ability for analysis, designing and construction of various types of mechanisms in practical problems and real conditions.

3. Course content/structure:

Assembly possibility, movability and efficiency ofplanar and spatial mechanisms. Vector methods of kinematic and dynamic mechanism analysis. Kinematic and dynamic analysis of mechanisms with kinematic group of higher class. Introduction to matrix methods of kinematic and dynamic mechanism analysis. Kinematic and dynamic analysis of spatial mechanisms. Mechanisms with multiple degrees of freedom. Reduced mass and inertia moment. Reduced force and moment. Equation of movement mechanism. Friction in mechanism – fundamental principles. Dynamic model development and evaluation of machine facility behavior.

4. Teaching methods:

Lectures, graphic and computer practical classes, consultation.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	5.00	Final exam - part one	Yes	25.00
Presentation	Yes	10.00	Final exam - part two	Yes	25.00
Project task	Yes	15.00	Practical part of the exam - tasks	Yes	20.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Zlokolica M, Čavić M, Kostić M.	Mehanika mašina	FTn Novi Sad	2005
2,	Norton R. L.	Design of Machinery	McGraw-Hill, Inc.	2004
3,	Erdman, G.N. Sandor	Mechanism Design - Analysis and Syntesis, Vol. 1 and 2	Prentice Hall, New Jersey	1984
4,	Norton R. L.	Design of Machinery	McGraw-Hill, Inc	2004

Table 5.2 Course specification

Course:		
Course id:	M2405	**Warehouses and Equipment**
Number of ECTS:	6	
Teacher:		Georgijević S. Milosav
Course status:		Mandatory

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
3	2	1	0	0

Precondition courses	None

1. Educational goal:

Students gain knowledge about warehouses and warehouse technology (machines, equipment, etc) in the material flow

2. Educational outcomes (acquired knowledge):

Students gain the necessary knowledge about warehouse technology as well as construction properties of the necessary< equipment, automation of operations, and work organization in modern warehouses.

3. Course content/structure:

Warehouses (purpose, classification, equipment)
Pallet storage (construction, machines and equipment. Input – output zones)
Control of warehouse systems, automation, flow of material and information. Hierarchical level, role of information technologies and telecommunications.
Commissioning, concepts, optimization of path and efficiency, importance of coding and monitoring. Container terminals (machines and equipment, automation of operation, flow of containers in a terminal and flow of information.)
Warehouse with bulk material, equipment and automation of operation. Warehouses with grain and equipment, problem of humidity and technology of operation. Techno-economic analysis.

4. Teaching methods:

Active participation of students during the course. Practice classes are auditory, in a laboratory and with a computer.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			
Project	Yes	50.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Georgijević, M.	Regalna skladišta	Mala velika knjiga, Novi Sad	1995
2,	Georgijević, M.	Pretovar kontenera, knjiga pripremljena za štampu	Autor	-

Table 5.2 Course specification

Course:	
Course id:	M2408
Number of ECTS:	6

<div style="text-align:center">

Cranes

</div>

Teacher:	Šostakov S. Rastislav
Course status:	Mandatory

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
3	2	1	0	0

Precondition courses None

1. Educational goal:

Students gain basic and advanced knowledge in the area of machines of interrupted transport, elevators and means of floor transport.

2. Educational outcomes (acquired knowledge):

Readiness for independent design work work and monitoring of exploitation of machines in this area.

3. Course content/structure:

Role and importance, parameters, configuration. Lift drive – grasping device, rope and chain, pulley tackle, drum. Motion drive – wheel and rail, caterpillar, traction rope. Skidding. Bevelling. Rotation Drive – rotation stand. Drive for leaning, telescoping, specific drives. Drive mechanism, braking system, control, regulation and automation. Construction – topology, load, calculation, regulations. Crane stability. Devices which limit movement, load, swinging of load, safety devices. Manual, serial, bridge, gantry, tower, arch, stacker, self-erecting and other types of cranes. Elevators. Means of floor transport. Control systems. Exploitation, work safety and testing. Modelling, simulation of crane operation in real life conditions. Commercial software for crane design.

4. Teaching methods:

Lectures, visits to crane users. Practice classes: auditory (A), calculation (N), laboratory (L) and computer (C). Individual consultations. The examination consists of writing and defence of and individual paper and theoretical part of the examination (which can also be taken in the form of partial examination).

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Final exam - part one	Yes	20.00
Lecture attendance	Yes	5.00	Final exam - part two	Yes	20.00
Test	Yes	10.00	Practical part of the exam - tasks	Yes	30.00
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	D. Ostrić, S. Tošić	Dizalice	Mašinski fakultet, Beograd	2005
2,	M. Scheffler, …	Grundlagen der Fördertechnik	VEB Verlagtechnik Berlin	1982
3,	G. Pajer, …	Unstetigförderer 1	VEB Verlagtechnik Berlin	1989
4,	M. Scheffler, …	Unstetigförderer 2	VEB Verlagtechnik Berlin	1985
5,	R. Mijajlović, Z. Marinković, M. Jovanović	Dizalice. Osnove	Gradina, Niš	1994

Table 5.2 Course specification

Course:	
Course id: M2507	**Methods of experimental testing of machines**
Number of ECTS: 6	

Teachers:	Šostakov S. Rastislav, Zuber F. Ninoslav
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 in-depth knowledge of experimental testing and analysis of machines.

2. Educational outcomes (acquired knowledge):

Acquisition of basic knowledge for scientific work in the field of experimental investigation of machines with special attention on methods of stress – strain state determination using strain gauges and investigation of operating states of rotating machinery using vibrodiagnostical methods.

3. Course content/structure:

Application of strain gauges. Stress - strain relations. Strain gauge principle of operation. Selection of strain gauges. Application of strain gauge on test object. Wheatston bridge. Measurement amplifiers. Software for analysis (HBM Catman). Signal types. Signal representation in time and frequency domains. Fourier transform. System analysis (excitation and response), transfer function, coherence function. Digital signal processing and errors. Vibration of rotating machinery - spectral maps, order tracking, relative phase analysis, orbt analysis, experimental modal analysis. Portable and stationary acquisition systems. Software for data analysis: 01dB-Metravib XPR, 01dB-Metravib dbFA, Vibrant MeScope etc

4. Teaching methods:

Lectures, self-study research, consultancy. Lectures are conducted in combination. Lectures in theoretical part are followed by examples which serve to clarify the theoretical part of the curriculum. Parts of the course can be taken in several parts (which makes up the entirety) during the semester and also through course projects which are presented orraly.

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,	Robert Bond Randall	Vibration-based Condition Monitoring: Industrial, Aerospace and Automotive Applications	Willey	2011
2,	Anders Brandt	Noise and Vibration Analysis: Signal Analysis and Experimental Procedures	Wiley	2011
3,	Karl Hoffman	An Introduction to Measurements using Strain Gages	HBM	1989

Table 5.2 Course specification

Course:		Bachelor Thesis		
Course id:	M4I04			
Number of ECTS:	7			
Teachers:				
Course status:	Mandatory			

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	0	7

Precondition courses	None

1. Educational goal:

Treba skratiti prevod!!

2. Educational outcomes (acquired knowledge):

Enabling students for individual application of the previously obtained knowledge in diverse fields being studied in order to observe the structure of the set problem and approach the systematic analysis to draw conclusions on possible directions of its solving. By individually using the literature, students expand their knowledge in the selected field and research diverse methods and theses related to similar problems. By individually researching and solving tasks in the given area, students acquire knowledge on the complexity of the problems in their professional field. By elaborating the Bachelor thesis, students acquire certain experiences that can be applied in practice while solving problems in their professional field. By preparing the results for public defence, in the public defence and on answering questions and comments presented by the committee, students acquire necessary experience on the manners of practically presenting results of an individual or team work.

3. Course content/structure:

Formed for each student in particular, in accordance with the demands and the area enclosed within the set task of the final thesis. The student, in agreement with the mentor, completes the final thesis in the written form in accordance with the regulations of the Faculty of Technical Sciences. The student prepares and defends the written final thesis in public, in agreement with the mentor and in accordance with the prescribed standards. Student researches the professional literature, specialization and final thesis dealing with the same topic, performs analyses in order to find the solution to the concrete task defined in the task of the final thesis.

4. Teaching methods:

The mentor of the final thesis sets the task of the final thesis and presents it to the student. Student is obliged to elaborate the final thesis within the set task defined in the task of the Bachelor thesis. During the elaboration of the final thesis, mentor can provide additional instructions to the student, direct to certain literature and additionally direct in order to have a more qualitative final thesis. Within the theoretical part of the final thesis, student has consultations with the mentor, and if needed, with other teachers dealing with the topics related to the topic of the Bachelor thesis. Within the set topic, if needed, student can conduct certain measuring, researching, counting, surveying and the like, if it is predicted by the final thesis task. Student completes the final thesis and on obtaining the agreement of the committee for evaluation and defence, provides bounded copies to the committee. The defence of the Bachelor thesis is public, and the student has the o

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

Table 5.2 Course specification

Course:		
Course id:	HE2465	Mechatronics of Transport and Construction Machines
Number of ECTS:	6	
Teacher:		Marčetić P. Darko
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
3	2	1	0	0

Precondition courses	None

1. Educational goal:

Students acquire basic knowledge about modern systems of transfer of power and control with transport and construction machines.

2. Educational outcomes (acquired knowledge):

Hydrostatic systems for transfer of power with electronic control, systems of automatic control of construction machines and plants.

3. Course content/structure:

Introduction. Fundamentals of control of transport and manipulation systems and construction machines. Systems and devices for identification, coding and labeling. Basic control and functional and construction characteristics of devices for continuous transport. Basic control and functional and construction characteristics of devices for interrupted transport. Mechanization and automation of transport and reload work. Automated transport. Flexible transport and manipulation systems and devices. Automated transport lines. Forming a transport unit – packing and palette forming. Measurement, weighing and dosage.
Regulation of hydro components and hydro systems. Load - sensing regulation of pumps. Proportional hydraulics. Electronic control cards. Control of stationary systems and mobile machines with proportional hydrostatic transfer of power. Automatic control of construction machines and plants.

4. Teaching methods:

Lectures. Auditory and laboratory practice classes. Students can actively participate in the class and take partial examination during the semester.

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			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Malešev, P.	Hidroprenosnici u mehanizaciji, skripta	FTN	2010
2,	Plavšić, M.	Građevinske mašine	Naučna knjiga, Beograd	1990

Table 5.2 Course specification

Course:		Product Development
Course id:	M2419	
Number of ECTS:	6	
Teacher:		Kuzmanović B. Siniša
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
3	2	1	0	0

Precondition courses	None

1. Educational goal:

Introducing students to the fundamentals of product development, structure modeling of mechanical systems, design of parts, assemblies and subassemblies, determination and endurance capacity in product development and verification of the fulfillment of the operating features of the product. Methods related to product planning, clarification of the task, seeking solutions, identification of parameters of the product capabilities, decision-making and selection solutions.

2. Educational outcomes (acquired knowledge):

Students who pass this course will be able to: define a successful development project, modeled in the technical system functions, and the effects of physical form, shape construction design and verify it with the performance aspect of the basic functions, master a number of methods that are used in product development, application of a methodological approach for solving problems and tasks in product development.

3. Course content/structure:

Introductory considerations. Position engineers in the industry. Examples of future technologies. The new principles of operation. The importance of machine elements in product development. Methods. Review and selection methods in product development (planning and analysis purposes: the search for alternative solutions, determination of performance characteristics of the product). Mechanical system as a facility for product development. Mechanical systems - definitions and structures. Hierarchical systems review. Forms of representation and description of technical systems. Modeling the structure of technical systems. Modelling technical systems in the area of ??function, shape and physical effects. Design - the basic rules and principles. The place and role of design in product development. The basic rules of design. The principles of design. Damage and destruction in mechanical engineering. Examples of the analysis of causes of damage. Failures due to mechanical stresses. Typical forms of dynamic destruction. Wear. Corrosion. Measures to prevent damage and destruction. Budget and structural analysis. Operational conditions, load spectra and endurance. Limit states criteria and budget. Structural analysis of structures. Product development in terms of price. Product price in terms of producers and consumers. Basic influential on the size of the product price. Pricing in various stages of product development. Procedures for the development of products to the target price. Basic concepts of product development, complexity, systems, models and strategies in product development. Models, the basic principles and methods of PD. Models of proceedings in PD. Natural methods for solving problems. Models procedures for operational troubleshooting. Basic principles and methods of PD.

4. Teaching methods:

Lectures, practical, graphic and computational exercises and workshops. Parts of the material that make logical sections are taken into consideration 3 colloquia, writing, theory and tasks. Colloquia are part of it, but the theory is calculated as the oral and written tasks such. If a student does not pass through the tests exam, then the exam is to just those who did not pass the preliminary exams during classes. Rating exam is based on attendance of lectures and exercises, reviews of graphic work, the presentation and the success of the written and oral tests and exams.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Graphic paper	Yes	20.00			
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	V. Miltenović	Razvoj proizvoda	Mašinski fakultet Niš	2003
2,	S. Kuzmanović	Konstruisanje, oblikovanje i dizajn	FTN Novi Sad	2005
3,	U. Lindemann	Methodische Entwicklung technischer Produkte	Springer Verlag, Munchen	2005

Table 5.2 Course specification

Course:			
Course id:	M2418	**Mechatronics of Motors and Road Vehicles**	
Number of ECTS:	6		
Teacher:		Klinar J. Ivan	
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:

Students gain knowledge about the configurations and functioning of modern mechatronic systems of motors and road motor vehicles

2. Educational outcomes (acquired knowledge):

-Ability to understand the methods, procedures and factory instructions related to diagnostics, servicing and repair of mechatronic systems of motor vehicles.
- Ability to independently understand and keep up with the trends in the development of new mechatronic systems of motor vehicles

3. Course content/structure:

Mechatronic systems for fuel supply of otto engine. Mechatronic systems for fuel supply of diesel engine Mechatronic control of IC engine emission – catalysts, lambda probe, etc. Auto diagnostics of IC engines. Mechatronic ignition system of otto engine: transistor system with mechanical switch, and transistor contact less system, capaptiitve (tyristor). Mechatronic in breaking systems (ABS, SBC, BAS), transmission (automatic gear), suspension (active suspension and control systems (ESP, drive by wire). Mechatronic systems for automated drive. Electronic regulation of lights, air bag. climatization, etc. Other mechatronic systems in a vehicle.

4. Teaching methods:

Lectures, practice, visits to motor vehicle service shops, consultations.

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,	Časnji F., Klinar I., Muzikravić V.	Savremene tendencije u automobilskoj tehnici	DDOR Novi Sad	2002
2,	Bauer H.	Automotive Electrics-Automotive Electronics	Robert Bosch GmbH	2000
3,	Klinar I.	Motori SUS	Fakultet tehničkih nauka - Novi Sad	2008

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

Standard 06.   Programme Quality, Contemporaneity and International Compliance

The study programme is coordinated with contemporary scientific trends and situation in profession in the world, and it is compatible with similar programmes in international higher education institutions.

The so designed study programme is complete and comprehensive and provides the latest scientific and professional knowledge in this field.

The study programme of undergraduate academic studies in Mechanization and Construction Engineering is comparable and compatible with:

1. TU München - Fakultät für Maschinenwesen,
   Grundstudium - http://www.mw.tum.de/?Seite=I_Grundstudium&Sprache=ger
                                          B   a   c   h   e   l   o   r
http://www.mw.tum.de/?Seite=I_Hauptstudium&Extra=Bachelorstudiengang_Maschinenwesen_4, Modul:
Fahrzeugtechnik
Logistik

2. TU Wien - Fachshaft Maschinenbau,
http://www.fsmb.at/portal/modules.php?name=News&file=article&sid=58,

3. Technicka univerzita v Kosiciack - Strojnicka fakulta, http://www.sjf.tuke.sk/studium.php, Modul:
Automobilova vyroba
Prevadzka a udrzba strojov
Vseobecne strojarstvo

4. Brno University of Technology - Faculty of Mechanical Engineering,
http://www.fme.vutbr.cz/studium/ch_obor.html?lang=1&obor=B2324,
Modul: Machine and Equipment Construction

5. Sveučilište u Zagrebu - Fakultet strojarstva i brodogradnje, http://www.fsb.hr/?opisi_kolegija,
Modul:
Konstrukcijski - Konstruiranje i razvoj proizvoda
Konstrukcijski - Motori i vozila

Standard 07.   Student Enrollment

The Faculty of Technical Sciences, in accordance with social demands and its resources, enrols to undergraduate academic studies of Mechanization and Construction Engineering on budget funded and self funded studies a certain number of students defined each year by the special decision of the Educational and Scientific Council of the Faculty of Technical Sciences. The selection and enrolment of the applied candidates is based on their success during the previous education and entrance examination as defined by the Book of Rules on Enrolment of Students to Study Programmes.

Students from other study programmes and persons who have completed studies can enrol into this study programme. The committee for evaluation (formed by all department heads participating in the realization of the study programme) evaluates all the verified activities of the prospective candidates and accepts the number of credits achieved and on that basis determines the year of studies the candidate can enrol to. The previously passed exam activities can be accepted completely, partially (the committee can require a suitable addition) or can be considered inadequate.

Standard 08. Student Evaluation and Progress

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

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

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

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

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

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

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

Standard 09.   Teaching Staff

For the realization of the Mechanization and Construction Engineering study programme, there is the faculty staff with necessary scientific and professional qualifications.

The number of teachers is adequate to the needs of the study programme and depends on the number of subjects and the number of classes for those subjects. The total number of staff members is adequate for the total number of classes at the study programme, so that a teacher has an average of 180 classes of active classes (lectures, consultations, tutorials, practice classes, etc.) a year, i.e. 6 classes a week. Of the total number of teachers all 100% are employed full time.

The number of assistants is adequate for the needs of the study programme. The total number of assistants at the study programme is adequate to cover total number o classes so that the assistants have an average of 300 hours of active classes a year, i.e. 10 classes a week.

The scientific and professional qualifications of the teaching staff are adequate for the educational and scientific field and the level of their duties. Each teacher has at least five references in the scientific or professional field taught at the study programme.

The size of the group for lecture classes is up to 180 students, for practice classes up to 60 students and for laboratory practice up to 20 students.

None of the teacher has more than 12 hours of classes a week. All information regarding the teaching staff and assistants (CV, appointments, references) are available to public.

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 carieer	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

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.	0M517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
15.	0ML517	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
			(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
19.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (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.<eng>
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.

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

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 carieer	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 refferences (minimum 5, not more than 10)	
1	Baloš S., Šiđanin (Sidjanin) L.: Metallographic study of non-homogenousarmour impacted by armour-piercing incindiary 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., Šiđanin (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., Šiđanin (Sidjanin) L., Pantić M.: Wire fence as applique armor, Materials and Design, 2010, Vol. 31, pp. 1293-1301, ISSN 0261-3069

	Representative refferences (minimum 5, not more than 10)
6.	Baloš S., Grabulov V., Šiđanin (Sidjanin) L., Pantić M., Radisavljevic I.: Geometry, mechanical properties and mounting of perforated plates for ballistic application, Materials and Design, 2010, Vol. 31, pp. 2916-2924, ISSN 0261-3069
7.	Vrač D., Šiđanin (Sidjanin) L., Kovač P., Baloš S.: The influence of hohning process parameters on surface quality, productivity, cutting angle and coefficients of friction, Industrial Lubrication and Tribology, 2012, Vol. 64, No 2, pp. 77-83, ISSN 0036-8792
8.	Lazarević Z., Jovalekić Č., Sekulić D., Slankamenac M., Romčević M., Milutinović A., Baloš S., Romčević N.: Characterization of Nanostructured Spinel NiFe2O4 Obtained by Soft Mechanochemical Synthesis, Science of Sintering, 2012, Vol. 44, No 3
9.	Vrač D., Šiđanin (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., Šiđanin (Sidjanin) L., Marković D., Pilić B., Pavličević J.: Study of PMMA biopolymer properties treated by microwave energy, Materiale Plastice, 2011, Vol. 48, No 02, pp. 127-131, ISSN 0025-5289

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	15			
Total of SCI(SSCI) list papers :	13			
Current projects :	Domestic :	2	International :	0

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 carieer	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

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 (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
10.	NJT1	German Language for Engineers 1	(H00) Mechatronics, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
11.	SSIP22	German Language for Engineers 1	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
12.	NJ01Z	Nemački jezik - osnovni(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
13.	NJ02L	Nemački jezik - niži srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
14.	NJ03Z	Nemački jezik - srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
15.	NJ04L	Nemački jezik - napredni srednji(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
16.	NJT1	Nemački jezik u tehnici 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
17.	NJ02L	German Language – Pre-Intermediate	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
18.	NJIIM	German for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies

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 refferences (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: Arbeitsszenarien 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

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 carieer	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

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

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

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 (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
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies

Datum: 18.12.2012

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	(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 refferences (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

Datum: 18.12.2012

Representative refferences (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

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 carieer	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

	Representative refferences (minimum 5, not more than 10)
1.	M. Milankov, Maša Bukurov, A. Jovanović, T. Somer, EXPERIMENTAL STUDY OF THE HYDRODINAMIC EFECTS 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 nadvučnog 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 :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Cvetićanin 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 carieer	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	Nonlinerar 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 refferences (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.

	Representative refferences (minimum 5, not more than 10)
3.	L. Cveticanin, Homotopy-perturbation method for pure non-linear differential equation, Chaos, Solitons and Fractals, Vol.30, 2006, 1221-1230
4.	L. Cveticanin, Free vibration of a Jeffcott rotor with pure cubic non-linear elastic property of the shaft, Mechanism and Machine Theory, Vol.40, 2005, 1330-1344.
5.	L. Cveticanin, Approximate solution of a strongly non-linear complex differential equation, Journal of Sound and Vibration, Vol.284, No.1-2, 2005, pp.503-512.
6.	L. Cveticanin, Vibrations of the non-linear oscillator with quadratic non-linearity, Physica A, Vol.341, 2004, pp.123-135.
7.	M. Zukovic, L. Cveticanin, R. Maretic, Dynamics of the cutting mechanism with flexible support and non-ideal forcing, Mechanism and Machine Theory, Vol.58, 2012, 1-12.
8.	L. Cveticanin, M. KalamiYazdi, H. Askari, Z. Saadatnia, Vibration of a two-mass system with non-integer order nonlinear connection, Mechanics Research Communications 43 (2012) 22-28.
9.	L.Cveticanin, Oscillator with fraction order restoring force, Journal of Sound and Vibration, Vol.320, 2009, 1064-1077.
10.	L. Cveticanin, Pure odd-order oscillators with constant excitation, Journal of Sound and Vibration, Vol.330, 2011, 976-986.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	706			
Total of SCI(SSCI) list papers :	134			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Časnji F. Ferenc
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	30.01.1971
Scientific or art field:	Motor Vehicles

Academic carieer	Year	Institution	Field
Academic title election:	1996	Faculty of Technical Sciences - Novi Sad	Motor Vehicles
PhD thesis	1985	Faculty of Technical Sciences - Novi Sad	Motor Vehicles
Magister thesis	1977	Faculty of Agriculture - Novi Sad	Motor Vehicles
Bachelor's thesis	1971	Faculty of Mechanical Engineering - Novi Sad	Motor Vehicles

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

	ID	Course name	Study programme name, study type
1.	H2402	Motor Vehicle Mechatronics	(H00) Mechatronics, Undergraduate Academic Studies
2.	M2404A	Motor Vehicles	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M303	Fundamentals of Motor Vehicles	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	M310A	Road Vehicle Theory	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
5.	S0I361	Road Vehicles	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
6.	ZR403A	Motor vehicles operation safety	(Z01) Safety at Work, Undergraduate Academic Studies
7.	M2515	Motor Vehicle Simulation and Modelling	(M22) Mechanization and Construction Engineering, Master Academic Studies
8.	M2549	ROAD TRAFFIC FORENSIC ENGINEERING	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	LIM14	Monitoring and Diagnostics of Transportation Means	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Časnji F: Ergonomski nedostaci poljoprivrednih traktora, Monografija, Fakultet tehničkih nauka, Novi Sad, 1991, str.157.
2.	Časnji F., Ružić D: Pregled ergonomskih karakteristika traktora velike snage, Monografija povodom 30 godina izdavanja časopisa MVM, Kragujevac, 2005. str. 9-19.
3.	Časnji F.,Stojić B: Razvoj hibridnih elektro-dizel traktora, Traktori i pogonske mašine, 13 (2008)4, Novi Sad 54-59
4.	Časnji F., Torović T., Muzikravić V: Energetska efikasnost traktora, Monografija, Fakultet tehničkih nauka - Novi Sad, 2009, str. 180
5.	Ružić D., Časnji F.: Therma Interaction Between a Human Body and Vehicle Cabin, in: Heat transfer Phenomena and applications, ed. Salim N. Kazi, Vol. 1, pp. 295-318, In Tech. Rijeka, 2012.
6.	Časnji F: Smanjenje potrošnje goriva pomoću mehatroničkih sistema u transmisiji traktora, poglavlje u monografiji "Aktuelni pravci razvoja traktora", FTN Novi Sad, 2010, str. 41-57.
7.	Pantelić-Milinković Z., Časnji F., Demić M: Mogućnost snižavanja unutrašnje buke povećanjem akustičke apsorpcije, Zbornik radova međunarodnog naučnog simpozijuma Motorna vozila i motori, Kragujevac, 2004, str. 352-360.
8.	Časnji F., Klinar I., Muzikravić V: Savremene tendencije u automobilskoj tehnici - mehaničke komponente i elektronski sistemi, DDOR Novi Sad, Novi Sad, 2001.god. str.80
9.	Milidrag S., Časnji F., Muzikravić V., Poznanović N.: Sistemi upravljanja motornih vozila, monografija, Fakultet tehničkih nauka, Novi Sad, 1996, str. 137.
10.	Časnji F., Križnar M., Milidrag S.: Stanje i pravci razvoja motornih vozila i traktora, monografija naučne konferencije sa međunarodnim učešćem „Mašinstvo za XXI vek", Novi Sad, 1995, str. 469-484.

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

Quotation total :	38			
Total of SCI(SSCI) list papers :	0			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Čavić 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
	03.11.1988
Scientific or art field:	Machine Elements,Construction Principles, Machine and Mechanizm

Academic carieer	Year	Institution	Field
Academic title election:	2012		Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Magister thesis	1994	Faculty of Mechanical Engineering - Beograd	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Bachelor's thesis	1987	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication

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

	ID	Course name	Study programme name, study type
1.	H306	Machine Mechanics	(H00) Mechatronics, Undergraduate Academic Studies
2.	M208	Theory of Mechanisms and Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	M2409	Power and Motion Transmission	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
4.	M2410	Mechanism Synthesis	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
5.	M2525	Mechanisms	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
6.	S012	Descriptive Geometry and Engineering Drawing	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
7.	H570	Mechanisms in Mechatronics	(H00) Mechatronics, Master Academic Studies
8.	M2653	Power and Motion Transmission in Agricultural Machinery	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
10.	DM215	Seelcted Chapters in Machine and Mechanisms Theory	(M00) Mechanical Engineering, Doctoral Academic Studies
11.	DM409	Selected Chapter in Power and Motion Transmission	(M00) Mechanical Engineering, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Zlokolica M., Čavić M., Kostić M.: ABOUT THE TOOL'S MOTION IN THE POLYGONAL HOLES DRILLING APPLYING CENTRODES, Manufacturing Intelligent Design and Optimization Processes, Journal of Machine Engineering,Vol 7, No 2, 2007, pp 41-50, Editorial Institution of Wroclav Board of Scientific Technical Societies Federation NOT, Wroclaw, Poland, 2007, ISSN 1895-7595
2.	Sorli, M., Ferraresi, C., Kolarski (Cavic), M., Borovac, B., Vukobratović, M.: Mechanics of turin parallel robot, Mechanism and Machine Theory, 1997, Vol. 32, No. 1, pp. 51-77, ISSN: 0094-114X.
3.	Kolarski (Cavic), M., Vukobratović, M., Borovac, B.: Dynamic analysis of balanced robot mechanisms, Mechanism and Machine Theory, 1994, Vol. 29, No. 3, pp. 427-454, ISSN: 0094-114X.
4.	M.Kostić, M. Čavić, M. Zlokolica: ABOUT OPTIMAL SYNTHESIS OF COMPLEX PLANAR MECHANISM, 12th IFToMM World Congress, Besancon, France, 18-21 june, 2007, Proceedings online on www.iftomm.org, www.iftomm2007.com
5.	Čavić M., Kostić M., Zlokolica M.: POSITION ANALYSIS OF THE HIGH CLASS KINEMATIC GROUP MECHANISMS Naziv skupa: 12th IFToMM World Congress , 12. The World Congress in Mechanism and Machine Science - IFToMM, Besancon, 18-21 Jun, 2007, ISBN www.iftomm2007.com

Representative refferences (minimum 5, not more than 10)	
6.	Zlokolica, M., Cavic, M., Kostic, M.: Analytical description of polygonal holes boring - General approach, Strojniski Vestnik - Journal of Mechanical Engineering, 2010, Vol. 56, No. 7-8, pp. 511-520, ISSN: 0039-2480.
7.	Kostić M., Čavić M., Zlokolica M., Veselinović Č.: ABOUT DRIVING-TRANSMISSION SYSTEMS IN THERMOFORMING MACHINES , 2. Power Transmissions, Novi Sad, 25-26 April, 2006, pp. 509-514, ISBN 86-85211-78-6
8.	Čavić M.: MODULARNI PRISTUP ANALIZI I SINTEZI MEHANIZAMA SA KINEMATIČKIM GRUPAMA VIŠE KLASE, Novi Sad, 2012
9.	Čavić M., Kostić M., Zlokolica M.: Dynamical Condition for Mechanism Synthesis, Monografija Machine Design, 2008, pp. 109-114, ISSN ISBN 978-86-7892-105
10.	Kostić M., Čavić M., Zlokolica M.: PERFORMANCE OF LEVER-CAM DWELL MECHANISM, Machine Design, 2009, pp. 115-120, ISSN 1821-1259

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

Science, arts and professional qualifications

Name and last name:	Dorić Ž. Jovan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2008
Scientific or art field:	Internal Combustion Engines

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
Master's thesis	2008	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
Bachelor's thesis	2008		Internal Combustion Engines

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

	ID	Course name	Study programme name, study type
1.	H2421	EC Enginees Mechatroncis	(H00) Mechatronics, Undergraduate Academic Studies
2.	M213	Machine Usage	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M2403A	IC Engines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
4.	M2523	IC Engine Equipment	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	M302	Fundamentals of IC Engines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
6.	S0I241	Internal Combustion Engines	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
7.	M2514	Simulation and design of IC engines	(M22) Mechanization and Construction Engineering, Master Academic Studies
8.	M2519	IC Engines and Vehicle Testing	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	M2553	Selected Chapters of IC Engines and Motor Vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
10.	LIM14	Monitoring and Diagnostics of Transportation Means	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
12.	DM420	Selected Chapters – Internal Combustion (IC) Engines	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Dorić J., Klinar I.: Efficiency of a new IC engine concept with variable piston motion, Thermal Science, 2012, doi: 10.2298/TSCI110923020D, ISSN 0354-9836.
2.	Dorić J., Klinar I.: Efficiency characteristics of a new Quasi-Constant Volume Combustion spark ignition engine, Thermal Science, 2012, doi: 10.2298/TSCI120530158D, ISSN 0354-9836.
3.	Dorić J., Klinar I.: The realisation and analysis of a new thermodynamic cycle for internal combustion engine, Thermal Sciencel, 2011, Vol. 15, No 4, ISSN 0354-9836.
4.	Dorić J.: Radijalno-rotacioni bezventilski motor SUS sa potpunijim širenjem radnog tela, Beograd, Zavod za intelektualnu svojinu Republike Srbije, Bilten, 2008, str. 1639-1640, ISBN 0354-771X, UDK: 631.372.
5.	Dorić J., Klinar I., Dorić M.: Constant Volume Combustion Cyle for IC Engines, FME Transactions, 2011, Vol. 29, No 3, pp. 97-104, ISSN 1451-2092.
6.	Nikolić N., Antonić Ž., Dorić J.: Uporedni prikaz dva analitička postupka konstruisanja polarnog dijagrama opterećenja glavnih ležišta kolenastog vratila, IMK-14 - Istraživanje i razvoj, 2011, Vol. 1, No 38, pp. 3-10, ISSN 0354-6829.
7.	Nikolić N., Torović T., Antonić Ž., Dorić J.: An Algorithm for Obtaining Conditional Wear Diagram of IC Engine Crankshaft Main Journals, FME Transactions, 2011, Vol. 39, No 4, pp. 157-164, ISSN 1451-2092.
8.	Dorić J., Klinar I.: Efficiency of a Valveless IC engine with more complete expansion, 1. International Conference on Innovative Technologies IN-TECH, Prague, 14-16 Septembar, 2010.
9.	Dorić J., Klinar I., Nikolić N., Stojić B.: Use of natural gas in agricultural machinery, 39. 39th INTERNATIONAL SYMPOSIUM: ACTUAL TASKS ON AGRICULTURAL ENGINEERING, Opatija: Sveučilište u Zagrebu Agronomski Fakultet, Hrvatska, 22-25 Februar, 2011, pp. 149-160, ISBN 1333-2651.
10.	Nikolić N., Torović T., Antonić Ž., Dorić J.: A Comparative Approach to the Load Determination of IC Engine Main Bearings, 7. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Balatonfured, 24-26 Maj, 2012, pp. 199-204, ISBN 978-86-7892-399-9.

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

Quotation total :	0

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

Total of SCI(SSCI) list papers :		3		
Current projects :	Domestic :	2	International :	0

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:	Termodynamics and Heat Transfer

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Termodynamics 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 refferences (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.

	Representative refferences (minimum 5, not more than 10)
3.	Dragutinovic, G.D., Baclic, B.S., "Interpolation and collocation methods for prediction of thermal regenerator performances", Thermal Science, Vol. 12, No. 4, 1996. pp. 307-327.
4.	Baclic, B.S., Heggs, P.J., and Dragutinovic, G.D., "Prediction of the Effectiveness of Unbalanced - Asymmetric Counterflow Regenerators", Publications of the Faculty of Technical Sciences, Vol. 15, 1984, pp. 1-15, University of Novi Sad.
5.	Baclic, B.S., Gvozdenac, D.D., and Dragutinovic, G.D., "Easy way to calculate the Amzelius-Schumann J function", Thermal Science, Vol. 1, No. 1, 1997, pp. 109-116.
6.	Dragutinović, D.G., Dimić, M., Sinteza optimalnih mreša toplotnih razmenjivača, Termotehnika, 1, 1998.
7.	Bašić, Đ., Petrović, J., Marić, M., Dragutinović, G., i dr., Mogućnost korišćenja energetskog potencijala geotermalnih voda u Vojvodini, Novi Sad, Prometej, 2009
8.	Martinov, M., Dragutinović, G., i dr., 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 :	2	International :	0

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 carieer	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

	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 refferences (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., Damnjanović M., Đurić N., Živanov Lj.: A novel application of planar-type meander sensors, Microelectronics International, 2011, Vol. 28, No 1, pp. 41-49, ISSN 1356-5362
3.	Đurić N., Kavecan 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

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

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

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 (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
26.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
27.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	ISIT01	English Language 1	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies

Datum: 18.12.2012

		List of courses being held by the teacher in the accredited study programmes	
	ID	Course name	Study programme name, study type
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	(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 refferences (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, Metodički vidici, Filozofski fakultet Novi Sad, str.78-82, Novi Sad, 2011.

Datum: 18.12.2012

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

Science, arts and professional qualifications

Name and last name:	Georgijević S. Milosav
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.1977
Scientific or art field:	Machine Constructions, Transport Systems and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2000	University of Novi Sad - Novi Sad	Machine Constructions, Transport Systems and Logistics
PhD thesis	1989	Faculty of Philosophy - Novi Sad	Machine Constructions, Transport Systems and Logistics
Magister thesis	1982	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
Bachelor's thesis	1973	University of Novi Sad - Novi Sad	Machine Constructions, Transport Systems and Logistics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H2463	Mechanization Management	(H00) Mechatronics, Undergraduate Academic Studies
2.	M2405	Warehouses and Equipment	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M308	Engineering Logistics and Simulation	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
4.	S0218	Reload Logistics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	S1218	Reload Logistics	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	ZR407A	Occupational safety in internal transport, reloading and warehouse	(Z01) Safety at Work, Undergraduate Academic Studies
7.	M2528	Eurologistics	(M22) Mechanization and Construction Engineering, Master Academic Studies
8.	M2535	Logistic Processes Management	(H00) Mechatronics, Master Academic Studies
			(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	LIM04	Internal Transport and Storage	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	LIM06	Simulation and Optimization in Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	LIM15	Technical Intralogistics	(LIM) Logistic Engineering and Management, Master Academic Studies
12.	LIM23	Logistic Centers	(LIM) Logistic Engineering and Management, Master Academic Studies
13.	LIM27	Logistics of Warehousing and Commissioning	(LIM) Logistic Engineering and Management, Master Academic Studies
14.	LIM28	Intralogistic System Planning	(LIM) Logistic Engineering and Management, Master Academic Studies
15.	LIM29	Simulation of Large Logistic Systems	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
17.	DM213	Contemporary Methods of Designing and Machine Constructing	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DM331	Selected Chapters in Transport and Construction Machines	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DOM20	Engineering Analysis Methods	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	DOM27	Logistics and Simulation	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Georgijevic M.: Anwendung von Rechenmodellen bei der dynamischen Analyse von Hebezeugen, dhf - deutsche hebe und fördertechnik, 1990, Nr.10, s. 46-53
2.	Georgijevic M.: Einwirkung der konstruktiven Lösung und Antriebsregulierung auf Dynamik von Hafenhebezeugen, dhf-deutsche hebe und fördertechnik, 1991. Nr. 6, s. 64-69

Representative refferences (minimum 5, not more than 10)	
3.	Georgijevic M.: Einfluss der Wippantrieb-Regulierung auf Lastpendel und Dynamik von Wippdrehe Krannen, dhf - deutsche hebe und fördertechnik, 1992, Nr. 3, s. 74-81
4.	Georgijevic M, Milisavljevic B.: Pendeln des Containers bei der Katzenbewegung der Portalkrane, dhf - deutsche hebe und fördertechnik, 1994, Nr.9, s. 41-47
5.	Georgijevic M.: Zur Regelung und Steuerung bei Kranen, dhf- deutsche hebe und fördertechnik, Nr. 1/2-97, s. 58-64,
6.	Georgijević M.: Using Simulation in Material Flow Processes and Machine Design, Simulation News Europe, July 2002, p.18,19
7.	M. Georgijevic, R. Kostic, Erhöhung der Lebensdauer von Fördermaschinen durch mechatronische Systeme, 30. Tagung DVM – Arbeitskreis Betriebsfestigkeit Mechatronik und Betriebsfestigkeit - Stuttgart, 8. und 9. Oktober, 2003, s.139-163 (Predavanje po pozivu)
8.	Georgijevic M, Radanovic R.: Simulation komplexer Systeme und Optimierung 9. Symposium Simulation als betriebliche Entscheidungshilfe: Neuere Werkzeuge und Anwendungen aus der Praxis (Proc. zum 9. Symposium), Goettingen s. 307-320, 2004
9.	Georgijevic M.: Fuzzy Control zur Regelung einer Krananlage, Erfolgsbilanz fur Fuzzy Logik, Ausgburg, 1992
10.	Pap E, Bojanic V, Georgijevic M, Bojanic,: Application of Pseudo-Analysis in the Synchronization of Container Terminal Equipment Operation , ACTA POLYTECHNICA HUNGARICA, (2011), vol. 8 br. 6, str. 5-21.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	2	International :	1

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 carieer	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 refferences (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 velded joint by fracture mechanic approach, Kovine, zlitine tehnologije1-2, 32, 1998, 21-27

8. Gerić K, Glavardanov I, Sedmak S.: Relability and Structural integrity of advanced materials, deo J integral and Final Strech zone for crack in HSLAof Undermatched and Overmatched weldments, EMAS Publication LTD, pp. 996-1005

9. Gerić K.: Prsline u zavarenom spoju, monografija, Fakultet tehničkih nauka, Novi Sad, 2005.

Representative refferences (minimum 5, not more than 10)				
10.	Gerić K.: Fractographic Analysis, part of monograph "From fracture mechanics to structural integrity assessment", 8. International fracture mechanics summer-school, Belgrade 2004, pp. 147-158			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	2			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	2	International :	0

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 carieer	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 refferences (minimum 5, not more than 10)

	Representative refferences (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 sring 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. Maretic, V. Glavardanov and V. Mitic, Vibration and Stability of a Heavy and Heated Vertical Circular Plate, International Journal of Structural Stability and Dynamics, vol 10, No 5,1111-1121, 2010
10.	Glavaradnov V, Maretic R, Stability of a twisted and compressed clamped rod, Acta Mechanica, 202, 17-33, 2009
	Summary data for teacher's scientific or art and professional activity:

Quotation total :	2			
Total of SCI(SSCI) list papers :	14			
Current projects :	Domestic :	1	International :	0

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 carieer	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	Inteligent 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 refferences (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

	Representative refferences (minimum 5, not more than 10)
6.	Kovač P., Rodić D., Pucovsky V., Savković B., Gostimirović M.: Application of fuzzi 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 cuting forces monitoring using virtual instrumentation, Central Europen 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

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 carieer	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

		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 refferences (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 Apllications, 2010, Vol. 59, No 5, pp. 1695-1700, ISSN 0898-1221.
3.	Glavardanov V., Maretić R., Grahovac N.: Buckling of a twisted and compressed rod supported by Cardan joints , European Journal of Mechanics - A: Solids, 2009, Vol. 28, pp. 131-140, ISSN 0997-7538
4.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180
5.	Grahovac N., Žigić M: Fractional derivative viscoelastic model of the hamstring muscle group, 3rd IFAC Workshop on Fractional Differentiation and its Applications, Ankara, Turkey: 05-07 november, 2008
6.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)
7.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010
8.	Grahovac N.: Generalized Zener model in the analysis of free vibration of a viscoelastic oscillator, 2. International Congress of Serbian Society of Mechanics, Palić: Serbian Society of Mechanics, 1-5 Jun, 2009, pp. 145-153, ISBN 978-86-7892-173-5, UDK: 531/534(082)
9.	Žigić M., Grahovac N., Spasić D.: A simplified earthquake dynamics of a column like structure with fractional type of dissipation , 1. International Congress of Serbian Society of Mechanics, Kopaonik: Serbian Society of Mechanics, 10-13 April, 2007, pp. 165-172, ISBN 978-86-909973-0-5, UDK: 531/534(082)
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov`s Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	5			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Jovanović M. Vukica
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Mechatronics, Robotics and Automation and Integral Systems

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	2010	Purdue University - West Lafayette	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Bachelor's thesis	2001	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.	H105	Fundamentals in Computer science	(H00) Mechatronics, Undergraduate Academic Studies
2.	H109	Fundamentals in Programming	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1409	Intelligent Systems	(H00) Mechatronics, Undergraduate Academic Studies
4.	H1410	Programming and application of programmable logic controllers	(H00) Mechatronics, Undergraduate Academic Studies
5.	BMI110	Sensors and actuators in medicine	(BM0) Biomedical Engineering, Undergraduate Academic Studies
6.	II1009	Automatic identification systems	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	II1010	Control of technical systems	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	II1015	Programmable Logic Controllers (PLC)	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1029	Computer integrated manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	II1045	Systems for measurement, surveillance and control	(I10) Industrial Engineering, Undergraduate Academic Studies
11.	II1048	Artificial intelligence in engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	IM1001	Fundamentals of industrial engineering	(I20) Engineering Management, Undergraduate Academic Studies
13.	IM1022	Fundamentals of technical systems control	(I20) Engineering Management, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
14.	IM1035	Identification technologies in enterprises	(I20) Engineering Management, Undergraduate Academic Studies
15.	IM1117	Computer integrated manufacturing (CIM)	(I20) Engineering Management, Undergraduate Academic Studies
16.	IM1719	Implementation of information systems in insurance	(I20) Engineering Management, Undergraduate Academic Studies
17.	HDOK2S	Selected topics in non-industrial robotics	(I12) Industrial Engineering, Specialised Academic Studies
18.	HDOS12	Research in the area of automatic identification technology	(I12) Industrial Engineering, Specialised Academic Studies
19.	HDOS13	Motion control and application of MEMS	(I12) Industrial Engineering, Specialised Academic Studies
20.	HDOS14	Nonindustrial automation	(I12) Industrial Engineering, Specialised Academic Studies
21.	NIT08	Fundamentals of Computer Science and Informatics	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
22.	H799	Fieldbuses and protocols	(H00) Mechatronics, Master Academic Studies

	ID	Course name	Study programme name, study type
23.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
24.	IM2516	Artificial Intelligence in Engineering	(I20) Engineering Management, Master Academic Studies
25.	IM2716	Automation systems in insurance	(I20) Engineering Management, Master Academic Studies
26.	IM2721	Systems for detection, alarming and warning	(I20) Engineering Management, Master Academic Studies
27.	HDOK12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
28.	HDOK13	Motion control and the application of MEMS	(H00) Mechatronics, Doctoral Academic Studies
29.	HDOK14	Non-industrial Automation	(H00) Mechatronics, Doctoral Academic Studies
30.	HDOK-3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
31.	HDOKL3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
32.	HDOL12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
33.	HDOL13	Motion controla and application of MEMS	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
34.	HDOL14	Nonindustrial automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

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

Representative refferences (minimum 5, not more than 10)

1. Ostojić G., Stankovski S., Tarjan L., Šenk I., Jovanović V.: Development and Implementation of Didactic Sets in Mechatronics and Industrial Engineering Courses, International Journal of Engeneering Education, 2010, Vol. 26, No 1, pp. 2-8, ISSN 0949-149X

2. Jovanović V., Filipović S., Ostojić G., Stankovski S., Lazarević M.: Analysis of Possible Use of Identification Technologies in Disassembly, Facta universitatis - series: Mechanical Engineering, 2009, Vol. 7, No 1, pp. 81-82, ISSN 0354–2025, UDK: 658.515

3. Ostojić G., Lazarević M., Jovanović V., Stankovski S., Ćosić I.: Design Process in the Assembly and Disassembly Systems Using RFID Technology , Journal for Fluid Power, Automation and Mechatronics – Ventil, 2006, Vol. 6, pp. 385-389, ISSN 1318-7279

4. Stankovski S., Ostojić G., Jovanović V., Stevanov B.: Using RFID Technology in Collaborative Design, Facta universitatis - series: Mechanical Engineering, 2006, Vol. 4, No 1, pp. 75-82, ISSN 0354-2025, UDK: 681.518:65.011.56

5. Ostojić G., Lazarević M., Jovanović V., Stankovski S., Ćosić I.: RFID Tehnology Use In Assembly and Disassembly Processes , Journal for Fluid Power, Automation and Mechatronics – Ventil, 2006, Vol. 6, No 12, pp. 385-389, ISSN 1318-7279, UDK: 62-82 62-85 62-31/33 681.523

6. Jovanovic, V., DeAgostino, T.H., Thomas, M.B., Trusty II, R.T. Educating engineering students to succeed in a global workplace, 2012, ASEE Annual Conference and Exposition, Conference Proceedings

7. Ostojić G., Jovanović V., Stankovski S., Lazarević M.: RFID Product and Part Tracking for the Preventive Maintenance, 4. ASME International Manufacturing Science and Engineering Conference (MSEC), West Lafayette: American Society of Mechanical Engineeris (ASME), 4-7 Oktobar, 2009, ISBN 978-0-7918-3859-4

8. Jovanović V., Savić B.: Determining the Optimal Interval for the Technical Diagnostics of Bearings, 4. ASME International Manufacturing Science and Engineering Conference (MSEC), West Lafayette: American Society of Mechanical Engineers (ASME), 4-7 Oktobar, 2009, ISBN 9780791843611

9. Jovanović V.: An Overview of Possible Integration of Green Design Principles into Mechatronic Product Development through Product Lifecycle Management, 4. ASME International Manufacturing Science and Engineering Conference (MSEC), West Lafayette: American Society of Mechanical Engineers (ASME), 4-7 Oktobar, 2009, ISBN 9780791843611

10. Jovanović V., Ncube L.: The Curriculum as a Product: The Application of PLM to the Comprehension Collaborative Design Education Project, 7. Annual ASEE Global Colloquium in Engineering Education, Cape Town: American Society of Engineering Education (ASEE), 1 Januar, 2008

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

Quotation total :	9			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	1	International :	2

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 carieer	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

	ID	Course name	Study programme name, study type
		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 (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	SSIP22	German Language for Engineers 1	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
8.	NJ01Z	Nemački jezik - osnovni(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	NJ02L	Nemački jezik - niži srednji(uneti 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 refferences (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 :

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 carieer	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 - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	I087	Electrical Engineering in Industrial Engineering	(GI0) 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 refferences (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

Representative refferences (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.l Conf. on Modern Power Systems MPS 2008, Cluj-Napoca, Romania, 12-14 Nov.r 2008, pp. 313-316. ISSN 1841-3323.
8.	A. Juhas, M. Milutinov, N. Pekarić-Nađ, "Iskustva u primeni nacionalnih pravilnika o nejonizujućim zračenjima", Telekomunikacije, No 7, pp. 70-77, 2011. ISSN 1820-7782
9.	A. Juhas, M. Milutinov, D. Herceg, M. Prša, N. Pekarić-Nađ, "Uređaj za generisanje homogenog magnetskog polja kontrolisanog intenziteta za potrebe biomagnetskih ekspreimenata",Tehničko rešenje, decembar 2010.
10.	A. Juhas, N. Pekarić-Nađ, D. Herceg, " Estimation of Human Exposure to Combined RF EM Field of Multiple Antennas," Proceedings of International PhD Seminar on computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 Sep., 2010, pp. 27-31, ISBN 978-954-438-856-0

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

Quotation total :	5			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	1	International :	0

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 carieer	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.	PP2I11	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 Depozition	(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 refferences (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

	Representative refferences (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, Vacuun,, 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, SURF REV LETT, 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, Metalurgija, 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, Oxidation Communication, 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, Materijali in tehnologije, 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 :	2	International :	1

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

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

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

	ID	Course name	Study programme name, study type
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	ISIT01	English Language 1	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	(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 - Renewble 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 refferences (minimum 5, not more than 10)

Datum: 18.12.2012

	Representative refferences (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

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 carieer	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 refferences (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-Nedučin, 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 biocorosion on the quality of ceramic roofing tiles", Journal of the European Ceramic Society 27 (2007) 1763-1766
6.	E.Kiš, R.Marinković-Nedučin, G.Lomić, G.Bošković, D.Ž.Obadović, J.Kiurski, P.Putanov, Structural and Textural Properties of the NiO-Al2O3 Catalyst", Polyhedron, 17(1), 27-34 (1998)
7.	D.Ž.Obadović, J.Kiurski, R.Marinković-Nedučin, 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-Nedučin,"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-Nedučin, "Electronic states of Mn(II) in the kaolinite nanostructure", React.Kinet.Catal.Lett., Vol.84,No.2, 359-366 (2005)

Representative refferences (minimum 5, not more than 10)				
10.	R.D.Mićić, R.P. Marinković-Nedučin, Z.Schay, I.Nagy, J.S. Kiurski, E.E.Kiss, «Influence of the activation temperature on structural and textural properties of NiMo/Al2O3 hydrodesulfurization catalysts», React.Kinet.Catal.Lett. 91(1), 85-92 (2007)			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	54			
Total of SCI(SSCI) list papers :	30			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Klinar J. Ivan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.1972
Scientific or art field:	Internal Combustion Engines

Academic carieer	Year	Institution	Field
Academic title election:	1999	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
PhD thesis	1988	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines
Magister thesis	1978	Faculty of Agriculture - Novi Sad	Motor Vehicles
Bachelor's thesis	1971	Faculty of Technical Sciences - Novi Sad	Internal Combustion Engines

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

	ID	Course name	Study programme name, study type
1.	M213	Machine Usage	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	M2418	Mechatronics of Motors and Road Vehicles	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M2523	IC Engine Equipment	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
4.	S0I241	Internal Combustion Engines	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
5.	H2403	Equipment and IC Engines Mechatronics	(H00) Mechatronics, Master Academic Studies
6.	M2403	IC Engines	(M40) Technical Mechanics and Technical Design, Master Academic Studies
7.	M2547	Equipment of IC engines and motor vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
8.	M2548	Diagnostics and maintenance of IC engines and vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	LIM14	Monitoring and Diagnostics of Transportation Means	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	DM420	Selected Chapters – Internal Combustion (IC) Engines	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Klinar I., Stefanović A., Rajković M.: Possibilities of piston-cylinder diagnostics of fits of engines, Tribology in industry, vol.21, No.1, p 12-17, 1999.
2.	Klinar I., Ličen H., Stefanović A., Bošnjaković S.:Influence of special additives for fuel on efektiveness of engine, 38. International Petroleum Conference, Proceedings, A7-1-13, Bratislava, 1997.
3.	Klinar I.: Tehnička eksploatacija mašina, osnovni udžbenik, Fakultet tehničkih nauka-Novi Sad, 2006. UDK621.8(075.8), ISBN86-85211-85-9
4.	Klinar I.: Motori SUS, osnovni udžbenik, Fakultet tehničkih nauka-Novi Sad, 2005. UDK621.43(075.8), ISBN86-85211-47-6
5.	Klinar I.: Oprema motora SUS, osnovni udžbenik, Fakultet tehničkih nauka-Novi Sad, 1993. UDK621.43(075.8)
6.	Klinar I.: Motori SUS-eksploatacija motora, osnovni udžbenik, Fakultet tehničkih nauka-Novi Sad, 2001. UDK621.43(075.8), ISBN86-80249-32-7
7.	Klinar I.: Sistemi napajanja gorivom motora SUS, pomoćni udžbenik (skripta), FTN-Institut za mehanizaciju, 1991. UDK621.43(075.8)
8.	Dorić J., Klinar I.: The realisation and analysis of a new thermodynamic cycle for internal combustion engine, Thermal Science, 2011, Vol. 15, No 4, ISSN 0354-9836.
9.	Dorić J., Klinar I.: Efficiency characteristics of a new Quasi-Constant Volume Combustion spark ignition engine, Thermal Science, 2012, doi:10.2298/TSCI120530158D, ISSN 0354-9836
10.	Dorić J., Klinar I.: Efficiency of a new IC engine concept with variable piston motion, Thermal Science, 2012, doi:10.2298/TSCI110923020D, ISSN 0354-9836.

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

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	(GI0) 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 - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
5.	F101	Mathematics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	GI107	Mathematical Analysis 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
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	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
10.	0M501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML501	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.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies

	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 (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 refferences (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,Convoluted C-cosine functions and convoluted C-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: Convoluted 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 Institute Mathematique
9.	M. Kostić: C-Distribution semigroups, Studia Math. 185 (2008), 201--217.
10.	M. Kostić: Convoluted 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

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 carieer	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	Nonlinerar 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 refferences (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.

Representative refferences (minimum 5, not more than 10)	
5.	Cveticanin, L., Kovacic, I., Parametrically excited vibrations of the oscillator with strong cubic negative noin-linearity, Journal of Sound and Vibration, 2007, Vol. 304, No 1-2, pp. 201-212.
6.	Kovacic I., 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 oscilltors with one degree of freedom, Journal of Sound and Vibration, 2007, Vol. 300, No 3-5, pp. 695-708.
9.	Kovacic I., Conservation laws of two coupled non-linear oscillators, International Journal of Non-Linear Mechanics, 2006, Vol. 41, No. 5, pp 751-760.
10.	Kovacic, I., Analysis of a weakly non-linear autonomous oscillator by means of the field method, International Journal of Nonlinear Mechanics, 2005, Vol. 40. No 5, pp 775-784.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	181			
Total of SCI(SSCI) list papers :	39			
Current projects :	Domestic :	2	International :	1

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 carieer	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

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

	ID	Course name	Study programme name, study type
8.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
9.	FDS141	Selected Chapters in Colour Management	(F00) Graphic Engineering and Design, Doctoral Academic Studies
10.	ZD017	Solid Materials in the Environment	(Z00) Environmental Engineering, Doctoral Academic Studies

Representative refferences (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 salicyladehyde 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) mathylpyrazole, Journal of Thermal Analysis, 47, 879-886,

4. S. R. Lukić, D. M. Petrović, A. F. Petrović: Effect of copper on conductivity of amorphous AsSeyIz, 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 Ge20As14SxSe52-xI14, 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

Science, arts and professional qualifications

Name and last name:	Kulić J. Filip
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1994
Scientific or art field:	Automatic Control and System Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1994	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.	AU44	Control Systems Design	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E226	Automatic Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E238A	Control Systems Technology	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	EEI302	Systems of Automatic Control in Power Engineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	H1405	Optimization Methods	(H00) Mechatronics, Undergraduate Academic Studies
6.	H302	Control Systems 2	(H00) Mechatronics, Undergraduate Academic Studies
7.	M325	Automatic Control Systems	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
8.	BMI125	Biological Control Systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	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
10.	EMSAU 1	Automatic Control Systems in Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
11.	SEAU01	Nonlinear programming and evolutionary computations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
12.	SEAU03	Real-time control algorithms	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
13.	DE410S	Selected Topics in the Field of Automatic Control	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies

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

	ID	Course name	Study programme name, study type
14.	E2515	Intelligent Control Systems	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	M2550	Automatic Control Systems in Motor Vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
16.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies
17.	SEAM01	Intelligent Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
18.	DAU007	Selected Topics in Artificial Intelligence in Control and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies
19.	DE410	Selected Topics in the Field of Automatic Control	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	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
21.	DAU017	Selected Topics from Totally Integrated Automatic Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
22.	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 refferences (minimum 5, not more than 10)

1. Dragan Kukolj, Vesna Bengin, Filip Kulić: Osnovi klasične teorije automatskog upravljanja kroz rešene probleme, Sombor, Somel, 1995. 241str., UDK: 681.5(075.8),

2. Dragan Kukolj, Filip Kulić: Projektovanje sistema automatskog upravljanja u prostoru stanja, Novi Sad, Fakulet tehničkih nauka, 1995. 232str., UDK: 681.5(075.8),

3. D.Kukolj, F.Kulić, E.Levi: Design Of The Speed Controller For Sensorless Electric Drives Based On AI Techniques: A Comparative Study, Artificial Intelligence in Engineering, 2000, Vol. 14, str. 165- 174

4. D.Kukolj, S.Kuzmanović, E.Levi, F.Kulić: Design of Near Optimal, Wide Range Fuzzy Logic Controller, Fuzzy Sets and Systems, 2001, Vol. 120, No. 1, str. 17- 34

5. D.Kukolj, F.Kulić, D.Popović, Z.Gorečan: Determining Topological Changes and Critical Load Levels of a Power System by Means of Artificial Neural Network, Electric Machines and Power Systems, 1997, Vol. 25, No. 8, str. 917- 926, ISSN 0731-356x.

6. D.Kukolj, D.Popović, F.Kulić, Z.Gorečan: Fast Dynamic Stability Analysis of a Power System Using Artificial Neural Networks, European Transactions on Electrical Power (ETEP), 1998, Vol. 8, No. 3, str. 207- 212, ISSN 1430-144X.

7. D.Popović, D.Kukolj, F.Kulić: Monitoring and Assessment of Voltage Stability Margins Using Artificial Neural Networks with a Reduced Input Set, IEE Proc. -Gener. Transm. Distrib, 1998, Vol. 145, No. 4, str. 355- 362, ISSN 1350-2360.

	Representative refferences (minimum 5, not more than 10)
8.	Matić Dragan, Kulić Filip, Pineda-Sanchez Manuel, Kamenko Ilija: "Support vector machine classifier for diagnosis in electrical machines: Application to broken bar", Expert Systems With Applications, vol.39 br.10, str. 8681-8689, 2012.
9.	Čongradac Velimir, Kulić Filip: "Recognition of the importance of using artificial neural networks and genetic algorithms to optimize chiller operation", Energy and Buildings, vol. 47, str. 651-658; April 2012.
10.	Ilić Slobodan; Vukmirović Srđan; Erdeljan Aleksandar; Kulić Filip: "Hybrid Artificial Neural Network System for Short-Term Load Forecasting, Thermal Science, vol.16, br. , str. S215-S224, 2012

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	32			
Total of SCI(SSCI) list papers :	12			
Current projects :	Domestic :	2	International :	0

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 Mechanizm

Academic carieer	Year	Institution	Field
Academic title election:	1996	Faculty of Technical Sciences - Novi Sad	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
PhD thesis	1980	Faculty of Mechanical Engineering - Beograd	Machine Elements,Construction Principles, Machine and Mechanizm Theory, Power and Motion Transfer and Eng.Communication
Magister thesis	1976	Faculty of Mechanical Engineering - Beograd	Machine Elements,Construction Principles, Machine and Mechanizm 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, Undergradute 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.	F510I1	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 refferences (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

	Representative refferences (minimum 5, not more than 10)
6.	Kuzmanović, S.: Industrijski dizajn, Fakultet tehnickih 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, Nobi Sad, 2009, str.198, ISBN 978-86-7892-154-4
8.	Kuzmanović, S.: Univerzalni zupčasti reduktori sa cilindričnim zupčanicima, Fakultet tehničkih nauka, Novi Sad, 2009, str.231, ISBN 978-86-7892-202-2
9.	Kuzmanović, S., Rackov, M.: Bezazorni prenosnici u vojnom mašinstvu, Vojnotehnički institut, Beograd, 2012, str.101, ISBN 978-86-81123-51-5
10.	Vereš, M., Harman, B., Kuzmanović, S., Rackov, M.: Determination of the Correct Mating Cylindrical Teeth Flanks Profiles When the Path of Contact is Given, Slovak University of Technology in Bratislava, Faculty of Mechanical Engineering, Bratislava, 2009, str. 145-151, ISBN 978-80-227-3326-7

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	1	International :	2

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 carieer	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.	E21I0	Izborni strani jezik 1	(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
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

	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

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 (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
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 (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
15.	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
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

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 (Inđija), Undergraduate Professional Studies
31.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
33.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
35.	EJIIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
36.	ETI05	English language - Elementary	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
37.	ETI10	English Language-Lower	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
38.	ETI15	Engleski jezik - srednji	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
39.	ETI20	Engleski jezik - napredni	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
40.	EJ1Z	English Language - Elementary	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
41.	EJ2Z	English Language – Intermediate	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
			(AH0) Architecture, Master Academic Studies
42.	eja	English Language – a Specialized Course	(AH0) Architecture, Master Academic Studies
43.	EJE7	English Language - Advanced	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
44.	F507	English Language for GRID 3	(F00) Graphic Engineering and Design, Master Academic Studies

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 refferences (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

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 - Renewble 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
			(GI0) 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 refferences (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

	Representative refferences (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 Infracellular 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 :	1	International :	0

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 carieer	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

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
9.	Z106	Mathematics 2	(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
10.	E101	Discrete Mathematics	(ES0) Power Software Engineering, Undergraduate Academic Studies
11.	ISIT02	Mathematics 1	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
12.	Z104	Matematika 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
13.	Z106	Matematika 2(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
14.	0ML503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies
15.	0ML507	Logic in computer science	(OM1) Mathematics in Engineering, Master Academic Studies
16.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies

	Representative refferences (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, Nata·sa Sladoje, and Tibor Lukic, Feature Based Defuzzication in Z2 and Z3 Using a Scale Space Approach, Springer-Verlag, Volume 4245,of Lecture Notes in Computer Science, pp. 378-389, 2006.
3.	Tibor Lukic, Natasa Sladoje, and Joakim Lindblad, Deterministic Defuzzication based on Spectral Projected Gradient Optimization, Springer-Verlag, Volume 5096 of Lecture Notes in Computer Science, pp. 476-485, 2008.
4.	Zorana Lu·zanin 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, Neboj·sa 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 Neboj·sa M. Ralevic, Newton"s Method with Accelerated Convergence Modified by an Aggregation Operator, Proceedings of 3rd Serbian-Hungarian Joint Symposium on Intelligent Systems, pp. 121-128, Subotica, 2005.
7.	Tibor Lukic, Joakim Lindblad, and Natasa Sladoje, Regularized Image Denois- ing 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 Combi-natorial Image Analysis - 15th International Workshop (IWCIA), Austin (TX), USA, LNCS, Vol. 7655, Springer-Verlag, pp. 274-284, 2012.
10.	Zorana Luzanin and Tibor Lukic, Convergence of the MRV method at singular 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

Science, arts and professional qualifications

Name and last name:	Malešev T. Petar
Academic title:	Associate 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 Constructions, Transport Systems and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
PhD thesis	1993	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
Magister thesis	1987	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
Bachelor's thesis	1975	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics

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

	ID	Course name	Study programme name, study type
1.	H2464	Building Machines Mechatronics	(H00) Mechatronics, Undergraduate Academic Studies
2.	M2406	Construction and Utility Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M315	Hydraulic Transmissions in Mechanization	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
4.	ZRI413	Occupational Safety and Protection in Working with Civil Engineering and Utility Mechanization	(Z01) Safety at Work, Undergraduate Academic Studies
5.	M2530	Food Processing Machines 1	(M22) Mechanization and Construction Engineering, Master Academic Studies
6.	M2532	Packaging Machines	(M22) Mechanization and Construction Engineering, Master Academic Studies
7.	M2534	Food Processing Machines 2	(M22) Mechanization and Construction Engineering, Master Academic Studies
8.	M2542	Hydraulic Power Transmission in Mechanisation 2	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	LIM13	Packaging Techniques and Packaging	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	DM331	Selected Chapters in Transport and Construction Machines	(M00) Mechanical Engineering, Doctoral Academic Studies
11.	DM410	Selected Chapters in Food Processing Machines and Equipment	(M00) Mechanical Engineering, Doctoral Academic Studies
12.	DOM25	Contemporary Procedures for Mobile Machine Designing	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Vladić J., Malešev P., Šostakov R., Brkljač N.: Dynamic analysis of the load lifting mechanisms, STROJNIsKI VESTNIK - JOURNAL OF MECHANICAL ENGINEERING, 54(10), pp. 655-661, 2008.

2. P.Malešev, J.Vladić, M.Plavšić: Influence of boom cylinder diameter in the duration of lifting hydraulic excavator working device with loaded bucket, XIII Mežnarodnaja naučno-tehničeskaja konferencija "Razvitie sproitelnih mašin...", Moskva, 1996. godine, zbornik radova, strane 292-295

3. J.Vladić, P. Malešev: Charakteristics of modeling the transport and civil engineering machines from the aspect of the application of universal programme packages, XIV Međunarodni naučno-stručni skup Transport u industriji, Beograd, 1996. godine, Zbornik radova, strane 4.8-4.13

4. P.Malešev, M.Plavšić, J.Vladić: Primena kvazistatičke simulacije kod određivanja ekstremnih naprezanja nosećih konstrukcija, XIII Međunarodni skup Transport u industriji, Beograd, 1994. godine, Zbornik radova, strane 233-238

5. P. Malešev: Die Aehnlichkeitslehre in der Konstruktion, časopis "Hebezeuge und Foerdermittel", Berlin, Nr. 3, 1998. godina, strane 72-73

6. J.Vladić, P.Malešev, N.Babin: Experimental analysis of bicable ropeway dynamic behaviour, Mežnarodnaja naučno-tehničeskaja konferencija "Razvitie stroitelnih mašin...", Moskva, 1996. godine, Zbornik radova, strane 300-303

7. P. Malešev, J.Vladić: Examination of hydraulic excavator dynamic loads, Časopis Agricultural engineering, Novi Sad, vol. V, broj 1-4, 1999. godine, strane 21-29

8. P.Malešev, M.Plavšić: Kriterijum nepromenljivosti odnosa ugaonih brzina pri izboru hidrocilindara bagerskog uređaja, Časopis Tehnika, Beograd, broj 3-4, 1997. godine, strane 1-4

9. P. Malešev: O mogućnosti primene raspodela potrebnih sila u hidrocilindrima bagerskog uređaja pri njihovom dimenzionisanju, Časopis Tehnika, Beograd, broj 5-6, 1996. godine, strane 13-16

Representative refferences (minimum 5, not more than 10)				
10.	P.Malešev, M.Plavšić, Z.Ristić: Ocena efikasnosti standardima definisanih pokazatelja u vezi mogućnosti razvijanja sila rezanja kod hidrauličnih bagera, Časopis Tehnika, Beograd, broj 11-12, 1991. godine, strane 755-758			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Marčetić P. Darko
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.2007
Scientific or art field:	Power Electronics, Machines and Facilities

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
PhD thesis	2006	School of Electrical Engineering - Beograd	Power Electronics, Machines and Facilities
Magister thesis	1998	School of Electrical Engineering - Beograd	Power Electronics, Machines and Facilities
Bachelor's thesis	1992	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.	E133	Power Converters	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EE308	Power Electronics 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	EOS14	Laboratory from electrical machines	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
4.	EOS25	Solar and hybrid electric plants	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
5.	F203	Electrical Machines	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	HE2465	Mechatronics of Transport and Construction Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
7.	EE408A	Application of microprocessors in power engineering	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	EEI310	Industrial systems and protocols	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	DE109S	Selected Chapters in Electromotive Drives	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE409S	Modern Methods of Digital Control of Drives and Converters	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	EE524	Methods of Regulation of Power Converters with Microconrollers	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	EE534	Special Electric Motor Drives	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
13.	EE537	Special Electrical Machines	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	DE109	Selected Chapters in Electromotive Drives	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
15.	DE409	Modern Methods of Digital Control of Drives and Converters	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
		Representative refferences (minimum 5, not more than 10)	
1.		Marčetić D., Adžić E.: Improved Three-Phase Current Reconstruction for Induction Motor Drives With DC-Link Shunt, IEEE Transaction on Industrial Electronics, 2010, Vol. 57, No 7, pp. 1-9, ISSN 0278-0046	
2.		Marčetić D., Vukosavic S.: Speed Sensorless AC Drives with the Rotor Time Constant Parameter Update, IEEE Transaction on Industrial Electronics, 2007, Vol. 54, No 5, pp. 2618-2625 , ISSN <SPAN class=skype_pnh_	

Representative refferences (minimum 5, not more than 10)	
3.	Marčetić D., Krcmar I., Matic P.: Discrete Rotor Flux Estimator for High Performance Induction Motor Drives with Low Sampling to Fundamental Frequency Ratio, International Review of Electrical Engineering IREE, 2012, Vol. 7, No 2, pp. 3804-3813.
4.	Porobić V., Adžić E., Marčetić D.: High Speed Shaft Sensorless DFOC Induction Motor Drive with Field Angle Correction, International Review of Electrical Engineering IREE, 2011, Vol. 6, No 4, ISSN 1827-6660
5.	Tomić J., Kušljević M., Marčetić D.: An Adaptive Resonator Based Method for Power Measurements According to the IEEE Trial-Use Standard 1459-2000 , IEEE Transactions on Instrumentation
6.	Vasić V., Marčetić D., Jeftenić B., Vladan J.: Speed-Sensorless Control of Induction Motor Based on Reactive Power with Rotor Time Constant Identification, IET ELECTR POWER APP, 2010, Vol. 4, No 6, ISSN 1751-8660
7.	Vasić V., Marčetić D., Oros Đ.: Prediction of Local Instabilities in Open-loop Induction Motor Drives, COMPEL - The international journal for computation and mathematics in electrical engineering, 2010, Vol. 29, No 3, ISSN 0332-1649
8.	Oros Đ., Vasić V., Marčetić D., Kulić F.: Influence of parameters detuning on induction motor NFO shaft-sensorless scheme, Journal of Advances in Electrical and Computer Engineering, 2010, Vol. 10, No 4, pp. 121-124, ISSN 1582-7445.
9.	Oros Đ., Vasić V., Marčetić D.: NFO sensorless induction motor drive with on-line stator resistance parameter update, Electric Power Components
10.	Kušljević M., Tomić J., Marčetić D.: Active power measurement algorithm for power system signals under non-sinusoidal conditions and wide-range frequency deviations, IET Generation, Transmission

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	1	International :	0

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 carieer	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 refferences (minimum 5, not more than 10)

1.	R. Maretic, 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. Maretic 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. Maretic: Stability of a twisted and compressed clamped rod. Acta Mechanica, 2009, 202, 17-33.
4.	R. Maretic 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.

	Representative refferences (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

Science, arts and professional qualifications

Name and last name:	Marić B. Branislav
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad 01.10.2009
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1995	Faculty of Technical Sciences "Mihajlo Pupin" in Zrenjanin - Zrenjanin	Organization Science
Magister thesis	1992	Faculty of Technical Sciences - Novi Sad	Organization Science
Bachelor's thesis	1977	Faculty of Technical Sciences - Novi Sad	Organization Science

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	I914	Project Management	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	M317	Economy	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	II121	Principles of economics	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	IM1014	Company Economics	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
6.	IM1102	Investment Management	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1419	Strategic resource allocation and planning	(I20) Engineering Management, Undergraduate Academic Studies
8.	IMDS63	Intelligent Organisation	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
9.	IMDS88	Planning and implementing cost structure of the investment cycle	(I22) Engineering Management, Specialised Academic Studies
10.	MBA303	Economics for Managers	(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	LIM33	Logistic Economics	(LIM) Logistic Engineering and Management, Master Academic Studies
12.	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
13.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
14.	IM2122	The rating company profitability	(I20) Engineering Management, Master Academic Studies
15.	IM2414	Technical Analyses and the Trading Systems	(I20) Engineering Management, Master Academic Studies
16.	IM2418	Support to management decision making	(I20) Engineering Management, Master Academic Studies
17.	IM2424	Investment management	(M50) Energy Management, Master Academic Studies
18.	IM2425	Economics of the Firm	(M50) Energy Management, Master Academic Studies
19.	IMDR63	Intelligent Organisation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
20.	IMDR88	Planning and implementing cost structure of the investment cycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Kiurski J., Marić B., Adamović D., Mihailović A., Grujić S., Oros I., Krstić J.: Register of hazardous materials in printing industry as a tool for sustainable development management, Renewable and Sustainable Energy Reviews, 2012, Vol. 16, No 1, pp. 660-667, ISSN 1364-0321, UDK: doi:10.1016/j.rser.2011.08.030
2.	Marić B., Dobromirov D., Radišić M.: Researching the dependence between the dynamic indicators of investment profitability, African Journal of Business Management, 2011, Vol. 5, No 13, pp. 5076-5082, ISSN 1993-8233
3.	Radišić M., Marić B., Dobromirov D.: SMEs and entrepreneurs investments' profitability effects within the transition period in the Republic of Serbia, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2654-2659, ISSN 1993-8233
4.	Marić B., Demko-Rihter J., Mitrović V., Rovčanin M.: Functional correlations between the efficiency indicators of investments, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2979-2984, ISSN 1993-8233
5.	Marić B., Kamberović B., Radlovački V., Delić M., Zubanov V.: Observing the dependence between dynamic indicators of investment profitability - Relative net present value and internal rate of return, African Journal of Business Management, 2011, Vol. 5, No 26, pp. 331-337, ISSN 1993-8233
6.	Marić B., Ivanišević A., Mitrović S., Sreto A., Mihailo R.: Analysis of internal rate of return on investments: Dynamic and static approach, African Journal of Business Management, 2011, Vol. 5, No 8, pp. 3269-3273, ISSN 1993-8233
7.	Organizacija preduzeća, Fakultet za preduzetni menadžment, Novi Sad, 2006.
8.	Upravljanje projektima, Fakultet za preduzetni menadžment, Novi Sad, 2000.
9.	Upravljanje investicijama, Fakultet tehničkih nauka, 2010.
10.	Osnove organizacije rada, Fakultet tehničkih nauka, 1982.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:		Martinov L. Milan	
Academic title:		Full Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		10.12.1978	
Scientific or art field:		Biosystems Engineering	

Academic carieer	Year	Institution	Field
Academic title election:	1999	Faculty of Technical Sciences - Novi Sad	Biosystems Engineering
Bachelor's thesis	2000	Faculty of Mechanical Engineering - Novi Sad	Mechanical Engineering
PhD thesis	1988	Faculty of Technical Sciences - Novi Sad	Biosystems Engineering
Magister thesis	1981	Faculty of Agriculture - Zagreb	Biosystems Engineering

	ID	Course name	Study programme name, study type
1.	M2407	Biosystem Machines 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	M304	Biosystem Machines 1	(H00) Mechatronics, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	URZP54	Devices in the Process Industry	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	Z475A	Environmental engineering in biosystems	(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z476	Energy and renewable energy sources in rural areas	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	ZRI421	Occupational Safety in Agriculture and Forestry	(Z01) Safety at Work, Undergraduate Academic Studies
7.	Z475	Inženjerstvo zaštite životne sredine u biosistema(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z476	Energija i obnovljivi izvori energije u ruralnim oblastima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	H2405	IT in Biosystems	(H00) Mechatronics, Master Academic Studies
			(M22) Mechanization and Construction Engineering, Master Academic Studies
10.	M2651	Tractors	(M22) Mechanization and Construction Engineering, Master Academic Studies
11.	M2652	Agricultural machinery for renewable energy sources	(M22) Mechanization and Construction Engineering, Master Academic Studies
12.	Z477	Sustainable Agriculture Engineering	(Z20) Environmental Engineering, Master Academic Studies
13.	Z478A	Information technology support sustainable biosystems	(Z20) Environmental Engineering, Master Academic Studies
14.	Z477	Inženjerstvo održive poljoprivrede(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	Z478	Informaciono-tehnološka podrška održivom razvoju biosistema(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
16.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
17.	SZSP14	Contemporary approach to the biosystems engineering	(Z00) Environmental Engineering, Specialised Academic Studies
18.	SZSP16	Engineering of renewable enery sources in agriculture	(Z00) Environmental Engineering, Specialised Academic Studies
19.	SZSP18	Contemporary scientific approaches in life cycle assessment of products (LCA)	(Z00) Environmental Engineering, Specialised Academic Studies
20.	ZCM12	Logistic of energy biomass	(ZC0) Clean Energy Technologies, Master Academic Studies
21.	ZR406A	System Regulations and EU Practice in Occupational Health and Safety	(Z01) Safety at Work, Master Academic Studies
22.	DM207	Standardization in biosystems engineering related to the safety	(Z01) Safety at Work, Doctoral Academic Studies

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

	ID	Course name	Study programme name, study type
23.	DOM24	Procedure and Machines for Sustainable Agriculture	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	HDOK11	Advanced Application of ICT in Agriculture	(H00) Mechatronics, Doctoral Academic Studies
25.	HDOL11	Advanced application of ICT in agriculture	(H00) Mechatronics, Doctoral Academic Studies
26.	ZSP14	Contemporary Approaches to Sustainable Engineering Biosystems	(Z00) Environmental Engineering, Doctoral Academic Studies
27.	ZSP16	Engineering of Renewable Energy in Agriculture	(OM1) Mathematics in Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
28.	ZRD235	Systemic regulation in the field of occupational safety and health	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Bojić S., Golub M., Müller J., Obradović R., Martinov M.: Convective drying of naked seeded oil pumpkin seeds (Cucurbita pepo L.) in a medium scale batch dryer with different modes of air circulation., Zeitschrift für Arznei- und Gewürzpflanzen, 2012, Vol. 17, No 3, pp. 108-115, ISSN 1431-9292
2.	Đatkov Đ., Effenberger M., Lehner A., Martinov M., Tešić M., Gronauer A.: New method for assessing the performance of agricultural biogas plants, Renewable energy, 2012, Vol. 40, No 1, pp. 104-112
3.	Gavrić M., Martinov M., Bojić S., Đatkov Đ., Pavlović M.: Short- and long-term dynamic accuracies determination of satellite-based positioning devices using a specially designed testing facility, Computer and Electronics in Agriculture, Elsevier, Amsterdam, the Netherlands, 2011, Vol. 76, No 2, pp. 297-305
4.	Scarlat N., Martinov M., Dallemand J.: Assessment of the availability of agricultural crop residues in the European Union: Potential and limitations for bioenergy use, Waste Management, 2010, Vol. 30, No 10, pp. 1889-1897, ISSN 0956-053X
5.	Kratzeisen M., Starcevic N., Martinov M., Maurer C., Mueller J.: Applicability of biogas digestate as solid fuel, Fuel, 2010, Vol. 89, No 9, pp. 2544-2548
6.	Martinov M, Mujic I, Müller J. 2007. Impact of drying air temperature on course of drying and quality of Hypericum perforatum L. Zeitschrift für Arznei- und Gewürzpflanzen, 12(3): 124-128.
7.	Martinov M., Veselinov B., Bojić S., Đatkov Đ.: Investigation of maize cobs crushing – preparation for use as a fuel, Thermal Science - International Scientific Journal, 2011, Vol. 15, No 1, pp. 235-243, ISSN 0354-9836, UDK: 621
8.	Jokić, S., Mujić, I., Martinov, M., Velić, D., Bilić, M. and J. Lukinac. 2009. Influence of drying procedure on colour and rehydration characteristic of wild asparagus Czech Journal of Food Sciences 27(3): 171-177.
9.	Oztekin, S, Martinov, M. 2007. Medicinal and Aromatic Crops, Harvesting, Drying and Processing, Haworth Food and Agricultural Products Press, New York.
10.	Martinov, M., Tesic, M. and M. Ilic. 2006. Latest developments on RES policy, implementation and planning in Serbia. Workshop: „Data Gathering on Renewable Energies for New Member States and Candidate Countries" organized by European Commission, Joint Research Center, Cavtat-Dubrovnik, 15-16 November 2006, Book of procc. 279-287.

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

Quotation total :	20			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	4	International :	1

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 carieer	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 - Renewble 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

List of courses being held by the teacher in the accredited study programmes			
	ID	**Course name**	**Study programme name, study type**
11.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
13.	I004/S	Statistical Quantitative Methods	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	OIR009	Primenjena aktuarska matematika	(I20) Engineering Management, Specialised Professional Studies
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M49	Aggregation Functions	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	E. Pap, B. Mihailović: A representatation 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.

	Representative refferences (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

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

	Representative refferences (minimum 5, not more than 10)
8.	Milojević Z., Navalušić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray , HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991
9.	Milankov M., Savić D., Milojević Z.: Geometric considerations regarding the surface of the tibial insertion of the ACL graft, Knee Surg Sports Traumatol Arthrosc, 2012, Vol. 20, No 9, pp. 1887-1888, ISSN 0942-2056
10.	Obradović R., Petter O., Vidaković M., Popkonstantinović B., Popović B., Milojević Z.: Using Contemporary 3D Web Technologies in the Process of CAD Model Design (prihvaćen za objavljivanje u 2013), Technics Technologies Education Management, 2013, Vol. 8, No 1, 2/3, ISSN 1840-1503

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	1	International :	0

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 carieer	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

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

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

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 (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
26.	EJZ	English Language - Specialized	(Z20) Environmental Engineering, Undergraduate Academic Studies
27.	F320	English Language – ESP Course 1	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
28.	F321	English Language – ESP Course 2	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
29.	ISIT07	English Language 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	(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
			(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.	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
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 refferences (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 Bogranović: 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		

	Representative refferences (minimum 5, not more than 10)			
8.	Mirović I, Gak D,, Bogdavović V.: Trust me - I'm an engineer or: Why we should challange our students with demanding tasks, 5th International Conference on the Importance of Learning Professional Foreign Languages for Communication between Cultures, Celje, Slovenia, 2012			
9.	Gak D, Bogdanović V, Mirović I, : Questionnaire - an instrument for collecting valuable data from teachers of business English courses, 5th International Conference on the Importance of Learning Professional Foreign Languages for Communication between Cultures, 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 :	0	International :	0

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	(GI0) 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	(GI0) 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

	Representative refferences (minimum 5, not more than 10)
1.	Milojević, Z., Navalušić, S., Zeljković, M.: " NC VERIFICATION AS A COMPONENT OF VIRTUAL MANUFACTURING", Academic Journal of Manufacturing Engineering, Vol. 5, No 2-2007., Editura Politehnica, žtimisoara, Romania, pp: 48-54, 2007. ISSN: 1583-7904
2.	Milojević, Z., Navalušić, S., Zeljković, M.: " DEVELOPMENT OF THE MODULE FOR REAL'TIME VERIFICATION OF NC MACHINING PROGRAM", Journal Manufacturing Engineering Manufacturing Accuracy Increasing problems, Wroclaw, 2007
3.	Milojević, Z., Navalušić, S., Zeljković, M.: " AN EXACT APPROACH TO 3-AXIS MILLING NC SIMULATION AND VERIFICATION", Journal Manufacturing Engineering Vol.3, No.5, Kosicah, 2006., pp. 14-17
4.	Milojević, Z., Navalušić, S., Zeljković, M:" DEVELOPMENT OF THE MODULE FOR VERIFICATION OF NC MACHINING PROGRAM ", Journal of Machine Engineering, Vol.5 No. 1-2, Intelligent Machines and factories, Wroclaw, 2005. god., pp. 177-185
5.	Zeljković, M., Zeljković, Ž., Navalušić, S., Milojević, Z.:" SOFTWARE SOLUTION DEVELOPMENT FOR THE GRINDING WHEEL PROFILING CYCLE ON THE CNC GRINDING MACHINE", Journal of Machine Engineering, Vol.4 No. 1-2, Machine tools and factories of the knowledge, Wroclaw, 2004. god., pp. 254-262
6.	Desnica E., Letić D., Gligorić R., Navalušić S.: Implementation of information technologies in higher technical education, Metalurgia international, 2012, Vol. 17, No 3, pp. 76-82, ISSN 1582-2214
7.	Milojević Z., Navalušić S., Milankov M., 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., Navalušić 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., Navalušić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991
10.	Navalušić, S., R. Gatalo, M. Zeljković: Automated Gearbox Design Based on Principles of Expert System Building, JSPE Publication Series No.1, Advancement of Intelligent Production, edited by Eiji Usui, Elsevier Science B. V., Amsterdam - Lausanne - New York - Oxford - Shannon - Tokyo, 1994, pp. 45-50

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

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 carieer	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

	Representative refferences (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 :	2	International :	1

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 carieer	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 Mechanizm 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.	AIDO8	Advanced Interdisciplinary Scientific Visualization	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Milojević Z., Navalušić S., Milankov M., Obradović R., Harhaji V., Desnica E.: System for femoral tunnel position determination based on the X - ray, HealthMED, 2011, Vol. 5, No 4, pp. 894-900, ISSN 1840-2991

Representative refferences (minimum 5, not more than 10)	
2.	Milojević Z., Navalušić S., Milankov M., Obradović R., Desnica E., Harhaji V.: Methodology for 3D femur approximate model generation, HealthMED, 2011, Vol. 5, No 5, pp. 1211-1217, ISSN 1840-2991
3.	Bojić S., Golub M., Müller J., Obradović R., Martinov M.: Convective drying of naked seeded oil pumpkin seeds (Cucurbita pepo L.) in a medium scale batch dryer with different modes of air circulation., Zeitschrift für Arznei- und Gewürzpflanzen, 2012, Vol. 17, No 3, pp. 108-115, ISSN 1431-9292
4.	Obradović R., Popkonstantinović B., Beljin B.: Algorithm for Approximation Transitional Developable Surfaces Betweeen 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., Navalušić 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

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

	ID	Course name	Study programme name, study type
		List of courses being held by the teacher in the accredited study programmes	
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 refferences (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 energetsku elektroniku-Novi Sad, Elektrotehnički institut "Nikola Tesla"-Beograd, Fakultet tehničkih nauka-Novi Sad, 28-30 Oktobar, 2009, pp. 1-5, ISBN 978-86-7892-208-4
10.	Ostojić D., Vasić V., Dujić D., Oros Đ.: The Influence of Parameter Mismatch on Natural Field Orientation Controlled Induction Motor Speed Estimation, 1. International Conference on Power Electronics and Intelligent Control for EnergyConservation, Varšava, 6-19 Oktobar, 2005

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

Science, arts and professional qualifications

Name and last name:	Ostojić M. Gordana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	06.03.2000
Scientific or art field:	Mechatronics, Robotics and Automation and Integral Systems

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H105	Fundamentals in Computer science	(H00) Mechatronics, Undergraduate Academic Studies
2.	H109	Fundamentals in Programming	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
4.	H1501A	Systems for Survailance and Visualisation of Process	(H00) Mechatronics, Undergraduate Academic Studies
5.	H1504	Computer Integration of Production Systems	(H00) Mechatronics, Undergraduate Academic Studies
6.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
7.	BM116B	Acquisition, analysis and monitoring of medical data	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BM116C	Motion control	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BM119C	Automatic identification in bioengineering	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI106	Rehabilitation devices and systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	II1009	Automatic identification systems	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	II1010	Control of technical systems	(I10) Industrial Engineering, Undergraduate Academic Studies
13.	II1015	Programmable Logic Controllers (PLC)	(I10) Industrial Engineering, Undergraduate Academic Studies
14.	II1029	Computer integrated manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
15.	II1045	Systems for measurement, surveillance and control	(I10) Industrial Engineering, Undergraduate Academic Studies
16.	II1048	Artificial intelligence in engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
17.	IM1022	Fundamentals of technical systems control	(I20) Engineering Management, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
18.	IM1035	Identification technologies in enterprises	(I20) Engineering Management, Undergraduate Academic Studies
19.	IM1117	Computer integrated manufacturing (CIM)	(I20) Engineering Management, Undergraduate Academic Studies
20.	H1503	Non Industrial Robotics and Automation in Buildings	(H00) Mechatronics, Master Academic Studies
			(I10) Industrial Engineering, Master Academic Studies
21.	HDOS12	Research in the area of automatic identification technology	(I12) Industrial Engineering, Specialised Academic Studies
22.	HDOS13	Motion control and application of MEMS	(I12) Industrial Engineering, Specialised Academic Studies
23.	HDOS14	Nonindustrial automation	(I12) Industrial Engineering, Specialised Academic Studies

	ID	Course name	Study programme name, study type
24.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
25.	PLM09	Systems and Devices for Tracking Products Through Life Cycle	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
26.	NIT06	Advanced Technologies for Manufacturing Support	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
27.	H845	Motion control	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
28.	I903	Application of microelectromechanical systems	(I10) Industrial Engineering, Master Academic Studies
29.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
30.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
31.	IM2716	Automation systems in insurance	(I20) Engineering Management, Master Academic Studies
32.	HDOK12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
33.	HDOK13	Motion control and the application of MEMS	(H00) Mechatronics, Doctoral Academic Studies
34.	HDOK14	Non-industrial Automation	(H00) Mechatronics, Doctoral Academic Studies
35.	HDOK-3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
36.	HDOKL3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
37.	HDOL12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
38.	HDOL13	Motion controla and application of MEMS	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
39.	HDOL14	Nonindustrial automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
40.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
41.	IMDR80	Selected chapters in automation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1.	Stankovski S., Tarjan L., Škrinjar D., Ostojić G., Šenk I.: Using a Didactic Manipulator in Mechatronics and Industrial Engineering Courses, IEEE Transactions on Education, 2010, Vol. 53, No 4, pp. 572-579, ISSN 0018-9359
2.	Gajić G., Stankovski S., Ostojić G., Tešić Z., Miladinović Lj.: Method of evaluating the impact of ERP implementation critical success factors – a case study in oil and gas industries (DOI:10.1080/17517575.2012.690105), Enterprise Information Systems, 2012, ISSN 1751-7575
3.	Stankovski S., Ostojić G., Šenk I., Rakić-Skoković M., Trivunović S., Kučević D.: Dairy cow monitoring by RFID, Scientia Agricola, 2012, Vol. 69, No 1, pp. 75-80, ISSN 0103-9016
4.	Janković J., Petrović N., Miladinović Lj., Popkonstantinović B., Stoimenov M., Petrović D., Ostojić G., Stankovski S.: Computer Simulation of Fast Hydraulic Actuators, Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, Vol. 36, No. M1 , pp. 95-106, ISSN 2228-6187.
5.	Stankovski S., Ostojić G., Tarjan L., Škrinjar D., Lazarević M.: IML Robot Grasping Process Improvement, Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, Vol. 35, No. M1 , pp. 61-71, ISSN 2228-6187.
6.	Popović B., Popović N., Mijić D., Stankovski S., Ostojić G.: Remote Control of Laboratory Equipment for Basic Electronics Courses: A LabVIEW-based Implementation DOI: 10.1002/cae.20531, Computer Applications in Engineering Education, 2011, ISSN 1061-3773
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.	Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolič J., Simeunović N.: Machining fixture assembly/disassembly in RFID environment, Assembly Automation, 2011, Vol. 31, No 1, pp. 62-68, ISSN 0144-5154
9.	Ostojić, G., Stankovski, S.: Sistemi i uređaji za praćenje proizvoda tokom životnog ciklusa, Fakultet tehničkih nauka, 2012
10.	Ostojić, G.,Stankovski, S., Tarjan, L., Šenk, I., Jovanović, V., DEVELOPMENT AND IMPLEMENTATION OF DIDACTIC SETS IN MECHATRONICS AND INDUSTRIAL ENGINEERING COURSES,International Journal of Engineering Education; 2010, Vol. 26, No. 1, pp. 2-8, ISSN 0949-149X

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	25			
Total of SCI(SSCI) list papers :	17			
Current projects :	Domestic :	3	International :	2

Science, arts and professional qualifications

Name and last name:	Pekarić-Nađ M. Neda
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.07.1978
Scientific or art field:	Theoretical Electrotechnics

Academic carieer	Year	Institution	Field
Academic title election:	2001	Faculty of Technical Sciences - Novi Sad	Theoretical Electrotechnics
PhD thesis	1984	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Magister thesis	1981	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1978	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.	I087	Electrical Engineering in Industrial Engineering	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	E105	Fundamentals of Electrical Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	E110	Fundamentals of Electrical Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
5.	II1007	Fundamental electrical engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	II1010	Control of technical systems	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	IM1022	Fundamentals of technical systems control	(I20) Engineering Management, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
8.	URZP12	Introduction to electrical engineering	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
9.	DE208S	Selected Chapters on Electromagnetic Compatibility	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE408S	Selected chapters inl electromagnetics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	URZP55	Fire and Explosion Protection due to Electricity	(ZP1) Disaster Risk Management and Fire Safety, 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 refferences (minimum 5, not more than 10)	
1.	Neda Pekarić-Nadj, Vera Bajović, "Izbor rešenih problema iz Osnova elektrotehnike", Gradjevinska knjiga, Beograd, 2007
2.	Neda Pekarić-Nadj, Dejana Herceg, "Osnovi elektrotehnike za studente Računarskog odseka" edicja FTN, Novi Sad, 2005
3.	Nikolajević S, Pekarić-Nadj N, Dimitrijević R, "Optimization of cable terminations", IEEE Trans. PWRD,Vol.12, No 2, 1997 p.p. 527-532
4.	Nikolajević S, Pekarić-Nadj N, Dimitrijević R, "A new concept in construction of cable terminations for medium voltages", IEEE Trans. Power Delivery, Volume 13, No. 3, July 1998, p.p. 712-718

	Representative refferences (minimum 5, not more than 10)
5.	Šećerov Sokolović R., Sokolović S., Mihajlović Đ., Gelei T., Pekarić Nađ N., Šević S.: Effect of pulsed electromagnetic field on crude oil rheology, Industrial and Engineering Chemistry Research, 1998, Vol. 37, No 12, pp 4828-4834, ISSN 0888-5885
6.	Buranj N., Milutinov M., Pekarić Nađ N.: Uređaj za izlaganje malih tečnih uzoraka magnetskom polju, 2011
7.	Juhas A., Pekarić Nađ N., Herceg D.: Estimation of Human Exposure to Combined RF EM Field of Multiple Antennas, 5. International PhD Seminar on Computational Electromegnetics and Optimization inElectrical Engineering CEMOEE, Sofija: Proceedings of International PhD Seminar on Computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 September, 2010, 10-13 Septembar, 2010, pp. 27-31, ISBN 978-954-438-856-0
8.	Herceg D., Pekarić Nađ N., Juhas A.: Shield shape influence on a coreless probe inductance, 5. International PhD Seminar on Computational Electromegnetics and Optimization inElectrical Engineering CEMOEE, Sofija: Proceedings of International PhD Seminar on Computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 September, 2010, 10-13 Septembar, 2010, pp. 18-21, ISBN 978-954-438-856
9.	Milutinov M., Juhas A., Pekarić Nađ N.: Power line currents data extraction from magnetic field measurements, 17. International Symposium on Electrical Apparatus and Technologies – SIELA, Bourgas, 28-30 Maj, 2012, pp. 226-231, ISBN 1314-6297
10.	Dimitrijević R., Tasić D., Raičević N., Aleksić S., Pekarić Nađ N.: Analysis of a MV XLPE Cable Termination Design with Embedded Electrodes, Facta universitatis - series: Electronics and Energetics, 2010, Vol. 23, No 1, pp. 99-117, ISSN 0353-3670

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	16			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	2	International :	1

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 carieer	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 packiging manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
25.	DP029	Advanced Development of Polymeric Products	(M00) Mechanical Engineering, Doctoral Academic Studies

	Representative refferences (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

Science, arts and professional qualifications

Name and last name:	Porobić B. Vlado
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	24.04.2000
Scientific or art field:	Power Electronics, Machines and Facilities

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities

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

	ID	Course name	Study programme name, study type
1.	EE520	Design of Electrical Machines and Converters	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EOS08	Electrical machines and devices	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	EOS18	Industrial Protocols and Network	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
4.	EOS20	Electrical Drives and Control	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
5.	EOS23	Wind Energy Conversion System	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
6.	HE2465	Mechatronics of Transport and Construction Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
7.	EE424A	Power Electronic in Drive and Industry	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	EE430	Control circuits in power electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	EOS11	Application of microprocessor in energetics	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
10.	EOS26	Small hydro plants	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
11.	EE520	Design of Electrical Machines and Converters	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
12.	SI021	Power Electronic in Drive and Industry	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
13.	SI031	Industrial Systems and Protocols	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies

Representative refferences (minimum 5, not more than 10)

1.	Upravljanje asinhronim motorom bez davača položaja pri velikim brzinama obrtanja, 2012.
2.	V. Porobic, E. Adzic , D. Marcetic " High Speed Shaft Sensorless DFOC Induction Motor Drive with Field Angle Correction," International Review of Electrical Engineering / IREE, vol. 6 br. 4, pp. 1664-1674, 2011., ISSN 1827-6660, (M22).
3.	V. Porobić, E. Adžić, D. Marčetić, "Performance Evaluation of Field Angle Correction Scheme for High Speed Sensorless IM", 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia
4.	Marčetić Darko, Porobić Vlado: Primena mikroprocesora u energetici, praktikum laboratorijskih vežbi , Novi Sad, Fakultet tehničkih nauka, Novi Sad, 2011. 168str., ISBN 978-86-7892-328-9
5.	E. Adžić, V. Porobić, D. Marčetić, Algoritam slabljenja polja vektorski upravljanog asinhronog motora pogodan za pogone u domaćinstvu, Infoteh-Jahorina Vol. 9, Ref. A-13, p. 65-69, March 2010.
6.	V.Porobić, D. Marčetić, E. Adžić, "Sensorless induction motor drive in high speed range - some aspects of digital implementation", VIII Simpozijum Industrijska elektronika INDEL 2010, Banja Luka, 04–06. novembar 2010.
7.	D. Reljić, D. Milićević, E. Adžić, B. Dumnić, S. Grabić, V.Porobić, M. Vekić, Z. Ivanović, V. Katić, V. Vasić, D. Marčetić, Đ. Oros, Z. Čorba, "Modern laboratory tools for experimental research in the field of electrical drives", XV Međunarodni simpozijum Energetska elektronika – Ee 2009, Novi Sad, Srbija

	Representative refferences (minimum 5, not more than 10)			
8.	P. Matić, D. Marčetić, E. Adžić, V. Porobić, S. Vukosavić, "Projektovanje i izrada razvojnog okruženja za verifikaciju algoritma digitalnog upravljanja asinhronim motorom", Infoteh-Jahorina Vol. 8, Ref. A-10, p. 42-46, March 2009.			
9.	Z. Čorba, V. Katić, V. Porobić, "Mogućnosti korišćenja fotonaponskih panela na širem području Novog Sada", Konferencija ETRAN, Vrnjačka Banja, jun 2009.			
10.	J.Timer, E. Adžić, V. Porobić, D. Marčetić, "Influence of Rotor Time Constant error on IFOC Control Structure", ELECTRONICS, VOL. 13, NO. 1, June 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

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 refferences (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

Science, arts and professional qualifications

Name and last name:	Radaković J. Nikola
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.11.1978
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	1989	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1978	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.	I914	Project Management	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	II1006	Processing Technology Products	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1008	Design methods of working procedures (CAPP, CAM)	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1019	Project Management	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	IM1016	Production and Service Technologies	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1113	Improvement of products and processes	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1306	Project Management	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1315	Managing TQM projects	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1320	Project Risk Management	(I20) Engineering Management, Undergraduate Academic Studies
10.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
11.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
12.	IIDS5	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
13.	IM2116	Improvement of company flows	(I20) Engineering Management, Master Academic Studies
14.	IM2313	Planning, guidance and control of the project	(I20) Engineering Management, Master Academic Studies
15.	IMDS71	Selected topics of project management	(I22) Engineering Management, Specialised Academic Studies
16.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR5	Selected chapters in enterprise's design, organization and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
18.	IMDR71	Selected topics of project management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
19.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Morača, S., Hadžistević, M., Drstvenšek, I., Radaković, N.: "Application of Group Technology in Complex Cluster type Organizational Systems", Strojniski vestnik = Journal of Mechanical Engineering, University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, 2010., Vol. 56, No. 10, pp. 663-675, ISSN: 0039-2480

	Representative refferences (minimum 5, not more than 10)
2.	Radišić, O., Radišić, M., Maksimović, R., Radaković, N.: "Industrial Cogeneration Appliance - An Example of Drilling Rig", Journal of Canadian Petroleum Technology, 2012, Vol. 51, No 6, pp. 487-492, ISSN 0021-9487
3.	Ćosić, I., Radaković, N., Simeunović, N.: "The Service Product Planning Work Plan Analysis", XIV International Scientific Conference on Industrial Systems - IS, Proceedings, str. 31-36, Fakultet tehničkih nauka - Departman za industrijsko inženjerstvo i menadžment, Novi Sad, 2008., UDK 658.5, ISBN 978-86-7892-135-3
4.	Morača, S., Radaković, N.: "The Group Approach Application In Complex Organizational Cluster Type Systems", XIV International Scientific Conference on Industrial Systems - IS, Proceedings, str. 427-431, Fakultet tehničkih nauka - Departman za industrijsko inženjerstvo i menadžment, Novi Sad, 2008., UDK 658.5, ISBN 978-86-7892-135-3
5.	Ćosić, I., Radaković, N., Simeunović, N., Lalić, B.: "Creating the Service Product by Applying the General Work Procedure Model", Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, DAAAM International, Trnava, Slovakia, 2008., pp. 287-288, ISSN 1726-9679, ISBN: 978-3-901509-68-1, Published by DAAAM International Vienna, Vienna
6.	Radaković, N.: "Razvoj baze znanja za projektovanje tehnologije obrade", Edicija tehničke nauke - monografije br 23, Fakultet tehničkih nauka, Novi Sad, 2006, Recenzenti: Prof. dr Branko Ivković i Prof. dr Ilija Ćosić, UDK 658.5, ISBN 86-7892-025-4, str. 147
7.	Ćosić, I., Radaković, N., Lalić, B., Simeunović, N.: "The General Work Procedure Model for the Service Product", pp. 281-288, DAAAM International Scientific Book 2009, DAAAM International Vienna, 2009, ISSN 1726-9687, ISBN: 987-3-901509-71-1
8.	Vulanović, V., Stanivuković, D., Kamberović, B., Maksimović, R., Radaković, N., Radovački, V., Šilobad, M.: SISTEM KVALITETA ISO 9001:2000, Poglavlje 4: Sistem upravljanja kvalitetom, str. 51-74, Poglavlje 5: Odgovornost rukovodstva, str. 75-96, Poglavlje 7: Realizacija proizvoda, str. 127-208, Fakultet tehničkih nauka - Institut za industrijske sisteme i IIS - Istraživački i tehnološki centar, Novi Sad, 2007, ISBN 978-86-907041-3-2
9.	Radlovački, V., Kamberović, B., Radaković, N.: "Principi opšteg modela ocene efikasnosti i efektivnosti sistema menadžmenta kvalitetom podržane računarom", pregledni rad, Tehnika - Kvalitet, standardizacija i metrologija, Časopis saveza inženjera i tehničara Srbije, Beograd, ISSN 0040-2176, Godina 2008, Broj 6, str. 7-12
10.	Radišić, O., Radaković, N.: "Integration of Engineers in Project Management: An Example from Oil and Gas Industry", International Journal of Industrial Engineering and Management (IJIEM), Vol. 2 No 3, 2011, pp. 109-114, Fakultet tehničkih nauka, Departman za industrijsko inženjerstvo i menadžment, Novi Sad, ISSN 2217-2661

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	1			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	1	International :	1

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 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	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 engledskom), Master Academic Studies
17.	SZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	(Z00) Environmental Engineering, Specialised Academic Studies
18.	SZDO03	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

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 refferences (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., Ćulibrk 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

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 refferences (minimum 5, not more than 10)			

	Representative refferences (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.	Cvetićanin 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., Cvetićanin 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 sign(x)Abs(x)^alfa elastic force, 2. International Congress of Serbian Society of Mechanics, Palić, 1-5 Jun, 2009, pp. 1-10, ISBN 978-86-7892-173-5, UDK: paper A14

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

Science, arts and professional qualifications

Name and last name:	Simeunović V. Nenad
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.02.2001
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Material Binding Technologies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	I914	Project Management	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	II1006	Processing Technology Products	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	IM1016	Production and Service Technologies	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1039	Fundamentals of Operations management	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	IM1103	Services Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1116	Work Study and Ergonomics	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1312	Tools and Techniques of Project Management	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1318	Managing Relationships with Stakeholders	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1321	Management of the Project Team	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
12.	PLM05	Management of PLM Projects	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
13.	PLM06	Technologies for Disposal at the Products End-Of-Life	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
14.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
15.	IM2322	Event Management	(OM1) Mathematics in Engineering, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies

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

	ID	Course name	Study programme name, study type
16.	UP003	Organization of Events	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies

Representative refferences (minimum 5, not more than 10)

1.	Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolič J., Simeunović N.: Machining fixture assembly/disassembly in RFID environment, Assembly Automation, 2011, Vol. 31, No 1, pp. 62-68, ISSN0144-5154
2.	Simeunović N., Ćosić I., Radaković N., Lalić B.: The General Work Procedure Model for the Service Product, Beč, DAAAM International Scientific Book, 2009, str. 281-288, ISBN 987-3-901509-71-1 , UDK: ISSN1726-9687
3.	Ćosić, I.; Radaković, N.; Simeunović, N: THE SERVICE PRODUCT PLANNING WORK PLAN ANALYSIS, XIV međunarodna konferencija INDUSTRIJSKI SISTEMI IS 2008, Novi Sad: FTN GRID Novi Sad, 02.-03. oktobar, 2008,
4.	Radaković, N., Simeunović, N., Dakić, R., Pantelić, I. »Sličnosti i razlike u procesima proizvodnje i pružanja usluga« XIII međunarodna konferencija INDUSTRIJSKI SISTEMI IS 2005, Herceg Novi, 2005.
5.	Ćosić, I.; Radaković, N.; Simeunović, N.; Lalić, B.: Creating the Service Product by Applying the General Work Procedure Model, Annals of DAAAM for 2008 & Proceedings of the 19th International DAAAM Symposium, Vienna, Austria: DAAAM International, 22.-25. October, 2008, str. pp 153- UDK: ISSN1726-9679 , ISBN ISBN 978-3-901509-68.
6.	Vukelić, Đ., Vrečič, T., Hodolič, J., Simeunović, N., Križan, P.: A system for manufacturing process statistical quality control, 12 th International Scientific Conference MECHANICAL ENGINEERING 2008, Bratislava: The Faculty of Mechanical Engineering, 13. - 14. November, 2008, str. CD- ROM, ISBN 978-80-227-2987-1.
7.	Hodolič J., Ćosić I., Budak I., Matin I., Simeunović N., Hadžistević M., Vukelić Đ., Antić A., Bešić I.: Baza podataka sa softverskom aplikacijom kao podrška platformi za kontinualnu edukaciju FTN-a, 2010
8.	Simeunović N., Budak I., Ćosić I., Hodolič J.: Razvoj novog pristupa u organizaciji kontinualnog obrazovanja, 17. Skup "Trendovi razvoja" - TREND, Kopaonik: Fakultet tehničkih nauka u Novom Sadu, 7-10 Mart, 2011, pp. 257-260, ISBN 978-86-7892-323-4
9.	Simeunović N.: Istraživanje uslova za primenu metoda i tehnika operacionog menadžmenta u uslužnim sistemima, Novi Sad, FTN Novi Sad, 2012
10.	Razvoj opšteg modela postupaka rada za različite vrste proizvoda

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

Quotation total :	4			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	2	International :	2

Science, arts and professional qualifications

Name and last name:	Stankovski V. Stevan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	23.03.1987
Scientific or art field:	Mechatronics, Robotics and Automation and Integral Systems

Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1994	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Magister thesis	1991	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1987	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.	H105	Fundamentals in Computer science	(H00) Mechatronics, Undergraduate Academic Studies
2.	H109	Fundamentals in Programming	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
4.	H1409	Intelligent Systems	(H00) Mechatronics, Undergraduate Academic Studies
5.	H1410	Programming and application of programmable logic controllers	(H00) Mechatronics, Undergraduate Academic Studies
6.	H1501A	Systems for Survailance and Visualisation of Process	(H00) Mechatronics, Undergraduate Academic Studies
7.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
8.	H311	Application of Sensors and Actuators	(H00) Mechatronics, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	BM116C	Motion control	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI106	Rehabilitation devices and systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
11.	BMI110	Sensors and actuators in medicine	(BM0) Biomedical Engineering, Undergraduate Academic Studies
12.	II1009	Automatic identification systems	(I10) Industrial Engineering, Undergraduate Academic Studies
13.	II1010	Control of technical systems	(I10) Industrial Engineering, Undergraduate Academic Studies
14.	II1011	Automation of work processes 1	(I10) Industrial Engineering, Undergraduate Academic Studies
15.	II1015	Programmable Logic Controllers (PLC)	(I10) Industrial Engineering, Undergraduate Academic Studies
16.	II1038	Automation of work processes 2	(I10) Industrial Engineering, Undergraduate Academic Studies
17.	II1042	Automation of Continual Processes	(I10) Industrial Engineering, Undergraduate Academic Studies
18.	II1045	Systems for measurement, surveillance and control	(I10) Industrial Engineering, Undergraduate Academic Studies
19.	II1048	Artificial intelligence in engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
20.	IM1022	Fundamentals of technical systems control	(I20) Engineering Management, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
21.	IM1035	Identification technologies in enterprises	(I20) Engineering Management, Undergraduate Academic Studies
22.	IM1719	Implementation of information systems in insurance	(I20) Engineering Management, Undergraduate Academic Studies
23.	H505	Implementation of automated systems	(H00) Mechatronics, Master Academic Studies
			(I10) Industrial Engineering, Master Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
24.	HDOS12	Research in the area of automatic identification technology	(I12) Industrial Engineering, Specialised Academic Studies
25.	HDOS13	Motion control and application of MEMS	(I12) Industrial Engineering, Specialised Academic Studies
26.	HDOS14	Nonindustrial automation	(I12) Industrial Engineering, Specialised Academic Studies
27.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
28.	MBA414	Integrated Business Processes	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
29.	PLM09	Systems and Devices for Tracking Products Through Life Cycle	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
30.	NIT02	Factory Automation	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
31.	NIT06	Advanced Technologies for Manufacturing Support	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
32.	NIT08	Fundamentals of Computer Science and Informatics	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
33.	GS006	Intelligent Buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
34.	H799	Fieldbuses and protocols	(H00) Mechatronics, Master Academic Studies
35.	H828	Advanced robotics	(H00) Mechatronics, Master Academic Studies
36.	H845	Motion control	(H00) Mechatronics, Master Academic Studies (I10) Industrial Engineering, Master Academic Studies
37.	I903	Application of microelectromechanical systems	(I10) Industrial Engineering, Master Academic Studies
38.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
39.	IM2516	Artificial Intelligence in Engineering	(I20) Engineering Management, Master Academic Studies
40.	IM2716	Automation systems in insurance	(I20) Engineering Management, Master Academic Studies
41.	IM2721	Systems for detection, alarming and warning	(I20) Engineering Management, Master Academic Studies
42.	GD018	Automation and Robotics in Construction	(G00) Civil Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
43.	HDOK12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
44.	HDOK13	Motion control and the application of MEMS	(H00) Mechatronics, Doctoral Academic Studies
45.	HDOK14	Non-industrial Automation	(H00) Mechatronics, Doctoral Academic Studies
46.	HDOK-3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
47.	HDOKL3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
48.	HDOL12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
49.	HDOL13	Motion controla and application of MEMS	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
50.	HDOL14	Nonindustrial automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
51.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
52.	IMDR80	Selected chapters in automation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
Representative refferences (minimum 5, not more than 10)			
1.	Stankovski S., Tarjan L., Škrinjar D., Ostojić G., Šenk I.: Using a Didactic Manipulator in Mechatronics and Industrial Engineering Courses, IEEE Transactions on Education, 2010, Vol. 53, No 4, pp. 572-579, ISSN 0018-9359		

	Representative refferences (minimum 5, not more than 10)
2.	Gajić G., Stankovski S., Ostojić G., Tešić Z., Miladinović Lj.: Method of evaluating the impact of ERP implementation critical success factors – a case study in oil and gas industries (DOI:10.1080/17517575.2012.690105), Enterprise Information Systems, 2012, ISSN 1751-7575
3.	Stankovski S., Ostojić G., Šenk I., Rakić-Skoković M., Trivunović S., Kučević D.: Dairy cow monitoring by RFID, Scientia Agricola, 2012, Vol. 69, No 1, pp. 75-80, ISSN 0103-9016
4.	Stankovski, S., Ostojić, G., Raković, M., Trajan, L., Šenk, I., Nikolić, M.: Zbirka rešenih zadataka iz: Programiranje i primena programabilno logičkih kontrolera, Fakulte tehničkih nauka, 2009
5.	Stankovski, S., Rakić-Skoković, M., Šešlija, D., Ostojić, G.: Primena RFID tehnologije u automatizaciji
6.	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
7.	Ostojić G., Lazarević M., Stankovski S., Ćosić I.: RFID Technology Application in Disassembly Systems , Strojniski vestnik = Journal of Mechanical Engineering, 2008, Vol. 54, No 11, pp. 759-767, ISSN 0039-2480, UDK: 658.5
8.	Popović B., Popović N., Mijić D., Stankovski S., Ostojić G.: Remote Control of Laboratory Equipment for Basic Electronics Courses: A LabVIEW-based Implementation DOI: 10.1002/cae.20531, Computer Applications in Engineering Education, 2011, ISSN 1061-3773
9.	Stankovski S., Ostojić G., Tarjan L., Škrinjar D., Lazarević M.: IML Robot Grasping Process Improvement,Iranian Journal of Science & Technology, 2011, Vol.35, No M1, pp. 197-207, Transactions B ISSN: 1028-6284
10.	Janković J., Petrović N., Miladinović Lj., Popkonstantinović B., Stoimenov M., Petrović D., Ostojić G., Stankovski S.: Computer Simulation of Fast Hydraulic Actuators,Iranian Journal of Science & Technology, Transactions B, 2012, Vol. 36, No M1, pp. 95-106, ISSN: 1028-6284

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	25			
Total of SCI(SSCI) list papers :	20			
Current projects :	Domestic :	3	International :	4

Science, arts and professional qualifications

Name and last name:	Šafranj 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

	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

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

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

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 (Inđija), Undergraduate Professional Studies
30.	ASI381	English language 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
31.	ASI431	English Language 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
32.	BMI80	English 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
33.	BMI81	English 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
34.	EJIIM	English for Specific Purposes	(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 refferences (minimum 5, not more than 10)

	Representative refferences (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

Science, arts and professional qualifications

Name and last name:	Šostakov S. Rastislav
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.03.1974
Scientific or art field:	Machine Constructions, Transport Systems and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
Magister thesis	1983	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
Bachelor's thesis	1974	Faculty of Mechanical Engineering - Novi Sad	Machine Constructions, Transport Systems and Logistics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H2404	Driving Systems Mechatronics	(H00) Mechatronics, Undergraduate Academic Studies
2.	M2408	Cranes	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M2507	Methods of experimental testing of machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
4.	M301	Driving Systems	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
5.	M312A	Fundamentals of Transportation Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
6.	ZR308A	Security and Safety Equipment for working	(Z01) Safety at Work, Undergraduate Academic Studies
7.	ZR407A	Occupational safety in internal transport, reloading and warehouse	(Z01) Safety at Work, Undergraduate Academic Studies
8.	M2526	Working Strength	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	M2541	Occupational Safety and Protection in Operation with Machinery	(M22) Mechanization and Construction Engineering, Master Academic Studies
10.	LIM12	Transport Technique and Material Flow	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	LIM27	Logistics of Warehousing and Commissioning	(LIM) Logistic Engineering and Management, Master Academic Studies
12.	LIM29	Simulation of Large Logistic Systems	(LIM) Logistic Engineering and Management, Master Academic Studies
13.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
14.	DM214	Selected Chapters in Working Strength	(M00) Mechanical Engineering, Doctoral Academic Studies
15.	DM331	Selected Chapters in Transport and Construction Machines	(M00) Mechanical Engineering, Doctoral Academic Studies
16.	DM410	Selected Chapters in Food Processing Machines and Equipment	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DOM25	Contemporary Procedures for Mobile Machine Designing	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DOM28	Modeling and Simulation of Driving Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	ZRD238	State and trends of development safety and health at work in the area mechanical engineering	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	J. Vladić, P. Malešev, R. Šostakov, N. Brkljač: Dynamic Analysis of the Load Lifting Mechanisms, Strojniski vestnik - Journal of Mechanical Engineering, Vol. 54, No 10, pp. 655-661, 2008, ISSN: 0039-2480.
2.	N. Zuber, R. Šostakov, R. Bajrić: Application of vibration signal analysis and artificial intelligence methods in fault identification of rolling element bearings, Technics Technologies Education Management - TTEM, Vol. 6, No 1, pp. 3-10, 2011, ISSN: 1840-1503.
3.	R. Šostakov, D. Uzelac, F. Časnji: Surveying The Transient Operating Regimes Of A Driving Mechanism With A Hydrodynamic Coupling, "Mobility&Vehicles Mechanics, Kragujevac, 1999, Vol. 25, No 2&3, p. 47-54

	Representative refferences (minimum 5, not more than 10)
4.	D. Uzelac, R. Šostakov, S. Tašin: Starting Of An Electric Motor Drive With Hydrodynamic Coupling, "Facta Universitatis", Series "Mechanical Engineering", Nis, 1998, Vol. 1, No 5, p. 537-545
5.	R. Šostakov, D. Uzelac, N. Brkljač: Metodologija praćenja rada pogonskog mehanizma sa hidrodinamičkom spojnicom i određivanja trajanja njegovog zaleta, "Tehnika, Mašinstvo", Beograd, 54(2005)3, str. 17-24
6.	R. Šostakov, N. Babin, N. Brkljač: Analiza mogućnosti i postupaka uklapanja domaćih u međunarodne bazne standarde iz oblasti dizalica, I međunarodni naučno-stručni skup "Teška mašinogradnja "93", Kruševac, Vrnjačka Banja, 1993, Zbornik radova, str. 85-90
7.	R. Sostakov, N. Babin, M. Zubic: The Concept Of Surveying The Transient States Of Crane Driving Mechanisms Operation Based On The Operating Point Motion - Didactical And Practical Aspect, XIV International Conference on Material Handling and Warehousing, Belgrade, 11. - 12. 12. 1996, Collected Papers, p. 2.20.-2.25
8.	R. Sostakov, J. Vladic, D. Uzelac, N. Brkljac: Berechnung der Anlaufdauer eines Antriebssystems mit hydrodynamischer Kupplung aufgrund des vereiniges M-n Diagrams, XIV International Conference on Material Handling and Ware¬housing, ??lgrade, 11. - 12. 12. 1996, Collected Papers, p. 4.67.-4.72
9.	R. Sostakov, P. Dragicevic, N. Babin, H. Licen: Subroutine For ON-LINE Discretisation And Classification Of A Stress-Time Function Using Modified Full Cycles Method, XIV International Conference on Material Handling and Warehousing, Belgrade, 11. - 12. 12. 1996, Collected Papers, p. 4.99.-4.102
10.	R. Sostakov, R. Jevremovic, M. Zubic: Electrical Motor Modelling As A Part Of Crane Driving Mechanism Modelling, XIV International Conference on Material Handling and Warehousing, Belgrade, 11. - 12. 12. 1996, Collected Papers, p. 4.162.-4.167

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	1	International :	0

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

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 refferences (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

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 engledskom), 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

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.	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 refferences (minimum 5, not more than 10)

1.	Turk, M., Jakšić, J., Vojinović Miloradov, M., Klanova, J.: Post-war levels of persistent organic pollutants (POPs) in air from Serbia determined by active and passive sampling methods, Environmental Chemistry Letters (ECL) Journal, 2007, Vol. 5, str. 109- 113.
2.	Turk Sekulić M., Radonić (Jakšić) J., Đogo M.: Characterization of gas/particle partitioning of PCBs and PAHs in a pilot area of Kragujevac, Serbia U: Environmental, Health And Humanity Issues In The Down Danubian Region: Multidisciplinary Approaches, Singapur, World Scientific, 2008, str. 284-295, ISBN 978-981-283-439-3
3.	Radonić, J., Turk, M., Vojinović Miloradov, M., Klánová, J.: Gas/particle partitioning of persistent organic pollutants generated during the war accident in Serbia, Environmental Science and Pollution Research, 2009, Vol. 16, No. 1, pp. 65-72.
4.	Turk Sekulić Maja, Rasprostiranje, depozicija i raspodela polihlorovanih bifenila u heterogenom multikomponentnom sistemu, doktorska disertacija.
5.	Radonić (Jakšić) J., Vojinović-Miloradov M., Turk Sekulić M., Kiurski J., Đogo M., Milovanović D.: The octanol-air partition coefficient, KOA, as a predictor of gas-particle partitioning of polycyclic aromatic hydrocarbons and polychlorinated biphenyls at industrial and urban sites, Journal of Serbian Chemical Society, 2011, Vol. 76, No 3, pp. 447-458, ISSN 0352-5139, UDK: doi: 10.2298/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., Ćulibrk 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

Science, arts and professional qualifications

Name and last name:	Veselinov V. Branislav
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.08.1974
Scientific or art field:	Biosystems Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Biosystems Engineering
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Biosystems Engineering
Magister thesis	1989	Faculty of Technical Sciences - Novi Sad	Biosystems Engineering
Bachelor's thesis	1973	Faculty of Mechanical Engineering - Novi Sad	Internal Combustion Engines

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M2407	Biosystem Machines 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	M304	Biosystem Machines 1	(H00) Mechatronics, Undergraduate Academic Studies
			(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	URZP54	Devices in the Process Industry	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	Z475A	Environmental engineering in biosystems	(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z476	Energy and renewable energy sources in rural areas	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	ZRI421	Occupational Safety in Agriculture and Forestry	(Z01) Safety at Work, Undergraduate Academic Studies
7.	Z475	Inženjerstvo zaštite životne sredine u biosistema(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z476	Energija i obnovljivi izvori energije u ruralnim oblastima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	H2405	IT in Biosystems	(H00) Mechatronics, Master Academic Studies
			(M22) Mechanization and Construction Engineering, Master Academic Studies
10.	M2651	Tractors	(M22) Mechanization and Construction Engineering, Master Academic Studies
11.	M2652	Agricultural machinery for renewable energy sources	(M22) Mechanization and Construction Engineering, Master Academic Studies
12.	Z477	Sustainable Agriculture Engineering	(Z20) Environmental Engineering, Master Academic Studies
13.	Z478A	Information technology support sustainable biosystems	(Z20) Environmental Engineering, Master Academic Studies
14.	Z477	Inženjerstvo održive poljoprivrede(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	Z478	Informaciono-tehnološka podrška održivom razvoju biosistema(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
16.	SZSP14	Contemporary approach to the biosystems engineering	(Z00) Environmental Engineering, Specialised Academic Studies
17.	SZSP16	Engineering of renewable enery sources in agriculture	(Z00) Environmental Engineering, Specialised Academic Studies
18.	DOM24	Procedure and Machines for Sustainable Agriculture	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	ZSP14	Contemporary Approaches to Sustainable Engineering Biosystems	(Z00) Environmental Engineering, Doctoral Academic Studies
20.	ZSP16	Engineering of Renewable Energy in Agriculture	(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
Representative refferences (minimum 5, not more than 10)			

	Representative refferences (minimum 5, not more than 10)
1.	Veselinov, B.: Prilog razvoju sistema za presovanje vlaknastih biomaterijala kod presa za valjkaste bale sa promenljivom zapreminom komore za presovanje, Fakultet tehničkih nauka, Novi sad, Magistarski rad, 1989, 98 strana
2.	Veselinov, B.: Uticaj raznih postupaka mehaničkog usitnjavanja suve pitome nane na kvalitet dobijene biljne sirovine, Fakultet tehničkih nauka, Novi Sad, Doktorska disertacija, 2003, 110 strana
3.	Martinov, M., Veselinov, B., Bojić, S. 2007. Maize Cobs Processor – Preparations for its use as a Fuel. 11-th International Research/Expert Conference »Trends in the Development of Machinery and Associated Technology« TMT 2007, Hammamet, Tunisia, 05-09 Septembar, 1167-1170
4.	Martinov, M., Adamović, D., Veselinov, B., Mujić, I., Bojić, S. 2008. Fazno sušenje lekovitog bilja u šaržnoj sušari. Savremena poljoprivredna tehnika, 34(1-2), 1-12. (ISSN 0350-2953)
5.	Martinov, M., Veselinov, B., Bojić, S. 2008. Drobljenje oklasaka kukuruza – priprema za korišćenje kao gorivo. Savremena poljoprivredna tehnika, 34(1-2), 26-31
6.	Veselinov, B., Adamović, D., Martinov, M. 2008. Istraživanje mogućnosti mehanizovanog branja cvasti nevena, Bilten za hmelj, sirak i lekovito bilje, Institut za ratarstvo i povrtarstvo Novi Sad, 40(81), 22-33
7.	Martinov, M, Veselinov, B. 2009. Stanje u oblasti poljoprivrednog inženjerstva – Akcenti Konferencije VDI-MEG LAND-TECHNIK 2008. Savremena poljoprivredna tehnika, 35(3), 157-168. (ISSN 0350-2953)
8.	Martinov, M., Adamović, D., Veselinov, B., Matavuly, M., Bojic, S. and I. Mujic. 2008.Practice oriented investigation of chamomile and peppermint drying in batch dryer. 36. International Symposium Agricultural Engineering: Actual Tasks on Agricultural Engineering, Opatija, 11-15 February 2008, Book of Proc, 479-490. ISSN1533-2651
9.	Martinov M, Bojic S, Golub M, Veselinov B. 2012. Practice oriented investigation of hull-less oil pumpkin seeds, Cucurbita pepo L., drying in batch dryers. 7th Conference of Medicinal and Aromatic Plants of Southeastern European Countries. Subotica 27th-31st of Mai 2012, CD of Proc. 241-247. ISBN: 978-86-83-141-16-6
10.	Martinov M, Golub M, Djordje Dj, Bojic S, Veselinov B. 2012. Total and available yield of soybean residues. 4th International Scientific and Expert Conference TEAM 2012 Technique, Education, Agriculture & Management. Slavonski Brod, 17th to 19th October 2012, CD of proc. 307-310. ISSN 1847-9065

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	5	International :	0

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 carieer	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

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 refferences (minimum 5, not more than 10)

1.	Vilotić D.: Ponašanje čeličnih materijala u različitim obradnim sistemima hladnog zapreminskog deformisanja, naučno delo, FTN, N. Sad, 1987.
2.	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
3.	Alexandrov S., Vilotić D., Konjovoć Z., Vilotić M.: An Improved Experimental Method for Detrmining the Workability Diagram, Experimental Mechanics, 2012, Vol. 52, No 11340, ISSN 0014-4851
4.	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
5.	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
6.	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 1611-3683
7.	Vilotić D., Alexandrov S., Plančak M., Vilotić M., Ivanišević A., Kačmarčik I.: Material Formability at Upsetting by Cylindrical and Flat Dies, Steel Research International, 2012, pp. 1175-1178, ISSN 1611-3683
8.	Vilotić D., Alexandrov S., Plančak M., Movrin D., Ivanišević A., Vilotić M.: Material Formability of Upsetting by V-Shape Dies , Steel Research International, 2011, pp. 923-928, ISSN 1611-3683
9.	Lyamina E., Alexandrov S., Vilotić D., Movrin D.: Effect of Shape of Samples on Ductile Fracture Initiation in Upsetting, Steel Research International, 2010, Vol. 9, No 81, pp. 306-3090, ISSN 1611-3683
10.	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.

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

Science, arts and professional qualifications

Name and last name:	Vladić M. Jovan
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 Constructions, Transport Systems and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	1999	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
PhD thesis	1989	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Magister thesis	1982	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.	M207A	Computer-Aided Design	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
2.	M2402	Continuous and Automated Transport	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
3.	M2610	Graphic Communications and CAD	(H00) Mechatronics, Undergraduate Academic Studies
4.	M312A	Fundamentals of Transportation Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
5.	M313A	CAD/CAE Course	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
6.	S0218	Reload Logistics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
7.	S1218	Reload Logistics	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	ZR407A	Occupational safety in internal transport, reloading and warehouse	(Z01) Safety at Work, Undergraduate Academic Studies
9.	H2504	Transportation and Manipulation Systems	(H00) Mechatronics, Master Academic Studies
10.	M2503	Transport Systems and Devices	(M22) Mechanization and Construction Engineering, Master Academic Studies
11.	M2509A	Automated Machine Designing	(M22) Mechanization and Construction Engineering, Master Academic Studies
12.	M2532	Packaging Machines	(M22) Mechanization and Construction Engineering, Master Academic Studies
13.	LIM12	Transport Technique and Material Flow	(LIM) Logistic Engineering and Management, Master Academic Studies
14.	LIM13	Packaging Techniques and Packaging	(LIM) Logistic Engineering and Management, Master Academic Studies
15.	LIM24	Urban Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
17.	DM213	Contemporary Methods of Designing and Machine Constructing	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DM331	Selected Chapters in Transport and Construction Machines	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DM410	Selected Chapters in Food Processing Machines and Equipment	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	DOM20	Engineering Analysis Methods	(M00) Mechanical Engineering, Doctoral Academic Studies
21.	DOM23	Product Development	(M00) Mechanical Engineering, Doctoral Academic Studies
22.	DOM25	Contemporary Procedures for Mobile Machine Designing	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Vladić J., Đokić R., Kljajin M., Karakašić M.: Modelling and simulations of elevator dynamic behaviour, Tehnički vjesnik/Technical Gazette, 2011, Vol. 18, No 3, pp. 423-434, ISSN 1330-3651, UDK: 62(05)=163.42=111

	Representative refferences (minimum 5, not more than 10)
2.	Vladić J., Malešev P., Šostakov R., Brkljač N.: Dynamic Analysis of the Load Lifting Mechanisms, Strojniski vestnik = Journal of Mechanical Engineering, 2008, No 10, pp. 655-661, ISSN 0039-2480
3.	Vladić J., Đokić R., Živanić D.: Simulations and dynamic models of electrical elevators, 7. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Balatonfured: Faculty of Technical Sciences, 24-26 Maj, 2012, pp. 121-126, ISBN 978-86-7892-399-9
4.	Đokić R., Vladić J., Živanić D.: Design and bases for assembling prefabricated industrial objects, 6. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Palić: Fakultet tehničkih nauka, 29-30 Septembar, 2010, pp. 189-192, ISBN 978-86-7892-278-7
5.	Vladić J., Đokić R.: Modeling and dynamic analysis as basis for elevators design, 6. Simpozijum o konstruisanju, oblikovanju i dizajnu – KOD, Palić: Fakultet tehničkih nauka, 29-30 Septembar, 2010, pp. 193-198, ISBN 978-86-7892-278-7
6.	Vladić J., Živanić D., Đokić R., Gajić A.: Analysis and Choice of Prefabricated Industrial Halls Elements , 19. International conference on MATERIAL HANDLING, CONSTRUCTIONS AND LOGISTICS, Beograd: Mašinski fakultet Beograd, 15-16 Oktobar, 2009, pp. 257-260, ISBN 978-86-7083-672-3
7.	Vladić J., Gajić A., Đokić R., Živanić D.: Choice of Optimal Transportation Mechanisation at Open Pit , 6. International Conference "Heavy Machinery" - HM, Kraljevo: Faculty of mechanical engineering Kraljevo, 24-29 Jun, 2008, pp. 63-68, ISBN 978-86-82631-45-3
8.	Vladić J., Živanić D., Đokić R., Gajić A.: Analysis of Material Flows and Logistics Approach in Design of Material Handling Systems, 6. International Conference "Heavy Machinery" - HM, Kraljevo: Faculty of mechanical engineering Kraljevo, 24-29 Jun, 2008, pp. 69-72, ISBN 978-86-82631-45-3
9.	Vladić J., Đokić R.: Dynamic behaviour of elevators and tribological processes in their driving systems, 2. Power Transmissions, Novi Sad: FTN Novi Sad, 25-26 April, 2006, pp. 537-542
10.	Vladić, J.: Računske i eksperimentalne metode za statičku i dinamičku analizu žičara, monografija, 1991., FTN Novi Sad

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

Science, arts and professional qualifications

Name and last name:	Zuber F. Ninoslav
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	16.03.1998
Scientific or art field:	Machine Constructions, Transport Systems and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
Magister thesis	2000	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics
Bachelor's thesis	1997	Faculty of Technical Sciences - Novi Sad	Machine Constructions, Transport Systems and Logistics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M2507	Methods of experimental testing of machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
2.	M305A	Metal Structures	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	H2501	Motor Vehicle Equipment	(H00) Mechatronics, Master Academic Studies
4.	M2508	Metal Constructions in Machine Building	(M22) Mechanization and Construction Engineering, Master Academic Studies
5.	M2531	Weighing and Dosing	(M22) Mechanization and Construction Engineering, Master Academic Studies
6.	M2540	Vibrodiagnostics	(H00) Mechatronics, Master Academic Studies
			(M22) Mechanization and Construction Engineering, Master Academic Studies
			(M40) Technical Mechanics and Technical Design, Master Academic Studies
7.	LIM13	Packaging Techniques and Packaging	(LIM) Logistic Engineering and Management, Master Academic Studies
8.	H797	Mechatronics in mechanization - advanced topics	(H00) Mechatronics, Master Academic Studies
9.	DM412	Experimental testing and analysis in mechanization - advanced topics	(M00) Mechanical Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1. Zuber N., Bajric R., Karic S.: Experimental vibration investigation of an industrial beater wheel mill, TTEM. Tehnics tehnologies education management, 2011, Vol. 5, No 4, pp. 688-692, ISSN 1840-1503
2. Zuber N., Šostakov R., Bajrić R.: Application of vibration signal analysis and artificial intelligence methods in fault identification of rolling element bearings, Technics Technologies Education Management, 2011, Vol. 6, No 1, pp. 3-10, ISSN 1840-1503
3. Zuber N., Ličen H., Bajrić R.: An innovative approach to the condition monitoring of excavators in open pits mines, Technics Technologies Education Management, 2010, Vol. 5, No 1, pp. 3-10, ISSN 1840-1503
4. Bajrić R., Baričak V., Delalić S., Muratović P., Zuber N.: INVESTIGATION OF POSSIBLE RESONANT PROBLEMS DURING BEATER WHEEL MILL OPERATION, Technics Technologies Education Management, 2010, Vol. 5, No 1, pp. 32-37, ISSN 1840-1503
5. Ninoslav Zuber, Rastislav Šostakov: Implementation of rotating machinery remote monitoring, Second Conference "Maintenance 2012", 13-16.06.2012, Zenica, pp. 141-148, ISSN 1986-583X
6. Ninoslav Zuber: Application of artificial inteligence methods in automated vibrodiagnostics of rotating machines in mining industry – a case study, 4th International Conference "Noise and Vibration"2012, Niš, Serbia, pp 193-202, ISBN: 978-86-6093-042-4
7. Ninoslav Zuber: Roller elements bearing vibrodiagnostics, 4th International Conference "Noise and Vibration"2012, Niš, Serbia, pp 185-192, ISBN: 978-86-6093-042-4
8. Zuber N., Ličen H., Klašnja Milićević A.: Applied Remote condition monitoring of the bucket wheel excavator, Journal of Applied Engineering Science, 2009, Vol. 7, No 25, pp. 31-40, ISSN 1451-4117, UDK: 33

	Representative refferences (minimum 5, not more than 10)			
9.	Zuber Ninoslav, Ličen Hotimir, mlađi: Mogućnosti primene metoda veštačke inteligencije u automatizaciji vibrodijagnostičkih metoda, Tehnička dijagnostika, vol. 10, br. 2, pp. 9-16, 2011, UDC: 62-51:612.321.12, ISSN 1451-1975			
10.	Ninoslav Zuber, Hotimir Licen, Patrice Dannepond: PREDIKTIVNO ODRŽAVANJE OPREME NA BAZI MERENJA I ANALIZE VIBRACIJA: TIPOVI, STRATEGIJE UVOĐENJA I PRIMENE, PRIMER, Power Plants 2006, Vrnjacka Banja, Srbija: 2006,			
	Summary data for teacher's scientific or art and professional activity:			
Quotation total :	0			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	1	International :	0

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 carieer	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

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 refferences (minimum 5, not more than 10)

1.	Zukovic, M. and Cveticanin, L.: Chaotic Responses in a Stable Duffing System of Non-ideal Type, Journal of Vibration and Control, 2007, Vol. 13, No. 6, str. 751- 767, ISSN 10775463.
2.	Zukovic,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 :	1	International :	0

Science, arts and professional qualifications

Name and last name:		Žigić M. Miodrag	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2007	
Scientific or art field:		Mechanics	
Academic carieer	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 refferences (minimum 5, not more than 10)

1.	N. M. Grahovac, M. M. Zigic: Modelling of the hamstring musle group by use of fractional derivatives, Computers and Mathematics with applications, Vol. 59, Issue 5 (2010), 1695-1700.

	Representative refferences (minimum 5, not more than 10)
2.	N. Grahovac., M. Žigić, D. Spasić, On impact scripts with both fractional and dry friction type of dissipation, International Journal of Bifurcation and Chaos, Vol. 22, No 4 (2012), 1250076 (10 pages).
3.	N. M. Grahovac, M. M. Zigić, and D. T. Spasić: On multiple impacts with fractional type of dissipation, 1st International Congress of Serbian Society of Mechanics, Beograd: Serbian Society of Mechanics, 10-13 April, 2007, str. 173- 180, UDK: 531/534(082), ISBN 978-86-909973-0-5.
4.	M. M. Žigić, N. M. Grahovac and D. T. Spasić: 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. Zigic, Viscoelastic response of the human hamstring muscle during a ramp-and-hold type of experiment, 2nd International Congress of Serbian Society of Mechanics, Palic: Serbian Society of Mechanics, 01-05 June, 2009, str. 165-173, UDK: 531/534(082), ISBN 978-86-7892-173-5.
7.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, 4. IFAC Workshop on Fractional Differentiation and Its Applications, Badajoz, 18-20 Oktobar, 2010
8.	Žigić M., Grahovac N.: Dynamical behavior of a polymer gel during impact. Fractional derivative viscoelastic model, 3. International Congress of Serbian Society of Mechanics, Vlasinsko jezero, 5-8 Jul, 2011, pp. 871-878, ISBN 978-86-909973-3-6, UDK: 531/534(082)
9.	Bačlić B., Žigić M., Phase spaces of rheonomic energy-like conservation laws, 25th Yugoslav Congress on Theoretical and Applied Mechanics, 1-3 June, 2005.
10.	Kovinčić N., Žigić M., Grahovac N., Spasić D.: On Impact in Biomechanical Systems, International scientific conference on mechanics, 6. International Scientific Conference on Mechanics - Sixth Polyakhov`s Reading, Saint Petersburg, 31-3 Januar, 2012, pp. 251-251, ISBN 978-5-91563-101-3

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	5			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	1	International :	0

Standard 10.   Organizational and Material Resources

To perform a study programme, the adequate human, spatial, technical and technological, library and other resources adequate for the study programme features and predicted students` number are provided. The time table of the study programme is organized in two shifts ensuring required minimum of space per student.

Teaching is done in lecture halls, classrooms and specialised laboratories. The library houses more than 100 library units relevant for the Mechanization and Construction Engineering study programme. All the courses of the study programme are covered with adequate course literature, course books, and additional material which is available in time and in sufficient quantities for the regular teaching process. Sufficient IT support is also provided.

The Faculty of Technical Sciences has its own library and a reading room with enough space for every student in the lecture halls, classrooms and laboratories.

Standard 11.   Quality Control

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

The quality control process is conducted through:
-end of the term students survey for each course
-graduate students survey at the graduation regarding the quality of the study programme and the logistic support. In addition, conditions for studying (classroom tidiness and neatness, etc…) are also evaluated.
-student survey at the end of the school year when the logistic support is evaluated
-student survey at the enrolment at the new year of studies when student evaluate the study programme of the previous year
-survey of the teaching and non-teaching staff on the quality of the study programme and its logistic support. Here the work of the Dean`s office, registrar`s office, library, and other services at the Faculty is evaluated. In addition, conditions for studying (classroom tidiness and neatness, etc…) are also evaluated.
The quality of the study programme is monitored by a committee formed by the heads of all chairs involved in the study programme and at least one student from each year of study.

Standard 12.   Distance Education

Distance learning is not provided for.