STUDY PROGRAMME ACCREDITATION MATERIAL:

INDUSTRIAL ENGINEERING

UNDERGRADUATE ACADEMIC STUDIES

Novi Sad

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Prevod sa srpskog jezika:

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Programme name	Industrial 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	Industrial Engineering and Management
Type of studies	Undergraduate Academic Studies
Study scope, expressed in ECTS	240
Academic degree, abbreviation	Bachelor with Honours in Industrial Engineering, B.Ind.Eng.
Study length	4
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	130
Planned number of students to be enrolled in this programme	240
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2008
Web address containing programme information	http://www.ftn.uns.ac.rs

Standard 00.   Introduction

Study program of basic academic studies of Industrial Engineering is the first such program of study at universities in Serbia. It originated with the development of the field of industrial systems in the Department of Mechanical Engineering, Faculty of Technical Sciences in Novi Sad.

Industrial engineering is a field of study intended for individuals who are interested in the analysis and formulation of abstract models of complex systems in order to improve system performance. Unlike traditional engineering and mathematical disciplines this program examines the role of men as decision maker in complex manufacturing and service systems. Industrial engineering deals with the objects of work (goods), means of production (technology) and people (human resources) and associated manufacturing, energy and information technology, organizational structure and management practices.

Case studies of industrial engineering are:
- Work processes in the material and immaterial production in all areas of human activity
- Systems in which these processes take place.
Industrial engineer integrates human, information, material, financial and technological resources for the purpose of the optimum production of goods or services. In summary, this study program produces engineers capable of solving problems that arose as a result of complex and unpredictable interactions that lead to degraded performance of the system. With this education, students are given the chance to work in a variety of areas such as manufacturing, logistics, economic and financial modeling of manufacturing and service systems, automation, information management systems, transportation, consulting services, and so on.

Studies of Industrial Engineering in educational terms should be viewed as a study program developed in response to the practice of need. The program should enable students to adequately understand the basic principles of various fields of technology, to acquire the necessary theoretical knowledge and to acquire specific expertise in the design, operation and maintenance of modern manufacturing and service systems. It is clear that the concept of Industrial Engineering, in itself, is very general and it is necessary in certain instances, a suitable chosen direction, made concrete. This is why that in this study program occur four professional areas.

Standard 01.   Programme Structure

Name of the study program of undergraduate study is Industrial Engineering.

Completion of the study, the student receives academic title: Bachelor with honours of industrial engineering.

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

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

Study program of undergraduate studies Industrial Engineering is four years, and is worth 240 ECTS. This program of study includes required and elective courses, professional practice and graduate work.

Classes are organized around four areas of expertise:

• Planning, organization and management systems (relating to the design, organization, management and optimization of production and service systems); • Automation (emphasis is the design, development and implementation of automation in the manufacturing and service enterprises); • Information management and communication systems (emphasis on information and communication support in modern enterprises); • Quality and Logistics (emphasis on the processes that ensure the quality of production and services, and adequate logistical support).

After three years of study, students through elective courses, based on their own preferences and desires, may opt for one of these four areas. Choice of at least 80% of cases (ECTS) in a particular group in the fourth year, students are entitled to their graduation in addition, be emphasized expertise in this area. By selecting groups of items that will lay the students are able to develop their affinities devoting to study various fields of Industrial Engineering.

Upon enrollment, each student is assigned an advisor who direct it, according to student interests, which classes to choose from elective positions, where to do internships and which graduation thesis topic to choose. The Advisor monitors the student's work and progress that has been added assigned to him during their education at the Faculty.

Students also have the opportunity to own preferences and desires of a certain number of subjects, with the approval of the Head of the study program, choose any of the courses from the Faculty of Engineering, University of Novi Sad, or any other university in the country or abroad. At the same time prerequisites need to be fulfilled , such as prescribed attendance of selected objects.

Teaching is done through lectures, practical laboratory and computer exercises. Lectures, using appropriate didactic materials, the material exhibits provided with the necessary explanations that contribute to a better understanding of the subject matter. On exercises, which follow the lectures, solve concrete tasks, and presents practical examples of applying knowledge and skills to further illustrate the material. It also provides additional explanations of the material is presented in lectures. Student obligations on exercises may include the writing of seminar papers and homework, project assignments, semester and graphic works with every activity of students during the teaching process is monitored and evaluated according to the Regulations on teaching, and methodology of awarding ECTS. Basis for evaluating exam prerequisites and the way of assessment of students who have passed the departmental level.

Department organizes study tours, and through this kind of learning activities passes through the provided material.

Subjects in this study program are intended for one semester and that's worth the appropriate number of credits. Standards established that one ECTS corresponding to approximately 30 hours of student activities (lectures, exercises, preparing for exams, ...). The Study is considered completed when a student fulfill all obligations under the program of study and have completed at least 240 ECTS (pass all required courses and thesis defense).

Standard 02.   Programme Objectives

The purpose of the Study Programme is the education of students for the profession of Bachelor with honours in Industrial Engineering in accordance with the needs of industry and society.

The Study Programme of the undergraduate academic studies in Industrial Engineering is designed to provide the acquisition of skills that are socially justified and useful.

Faculty of Technical Sciences defined tasks and goals for educating highly competent personnel in the field of technology. The purpose of the Study Programme of the undergraduate academic studies in Industrial Engineering is completely in accordance with the main objectives and goals of the Faculty of Technical Sciences.

Bachelor with honours in Industrial Engineering are educated by the realization of the study programme designed in this way and possess competences in the European and worldwide circles.

Standard 03. Programme Goals

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

The aim of the study is to establish an expert who has sufficient knowledge of the necessary basic engineering disciplines (mathematics, mechanics, ...), from mechanical, electrical, manufacturing technology, systems management, programming and application of modern information technology, but also the group of economic , entrepreneurial and managerial subjects.

One of the specific objectives, consistent with the goals of education experts from the Faculty of Engineering is to develop students'awareness of the need for continuing education, the development of society and the environment. The aim of the studies is also education professionals capable of teamwork, and the development of skills for reporting and communicating their results to the professional and to the general public.

Standard 04.   Graduates` Competencies

Students who complete undergraduate academic degree in Industrial Engineering are trained to identify, find and solve problems in the working processes in the material and immaterial production in all areas of human activity. In addition to recognize, find and solve problems in the systems in which these processes take place. Knowledge that they possess, which fall within the scope of their activities are objects of labor (products), working tools (technology) and people (human resources). Students are competent to link the manufacturing, energy and information technology, organizational structure and management processes for production and service systems.

Bachelor with honours of Industrial engineering are the bridge between management goals and activities to be performed in order to achieve those objectives.

Bachelor with honours of Industrial Engineering is able to optimize the manufacturing process of products and services. In fact, the competence of Bachelor with honours of Industrial Engineering allow industrial research, discovery, and troubleshooting of complex processes and tasks in the system, combining the basic natural, technical and socio-economic aspects of knowledge, which is acquired during the study.

Students who complete the study are trained to use a wide range of knowledge. Can design technological systems, manufacturing and service systems, organize and manage production. Also, master the most advanced knowledge in the field of information technology, automation, quality systems, maintenance and logistics as integral elements of manufacturing and service systems, and plan programs of study established a correlation between these skills. Interaction of theoretical knowledge, auditory, computer and laboratory exercises, practical work in teams, enables acquisition of the experience, skills and competencies a student who has completed basic studies. Such knowledge provides ability to find the shortest, quickest and best solutions for established problems, and how to implement it in practice. They can reveal the whole picture of the system and to connect its individual elements. Make an effort to achieve excellence and quality in everything they do, whether in terms of products, services, information and other specific technologies.

Bachelor with honours of industrial engineering, in fact, possess the knowledge to improve workflow, productivity, security, technological and financial efficiency. The emphasis is on the improvement of work processes, systems design and integration of human resources, materials, energy, information and other system elements.

Standard 05. Curriculum

The curriculum of basic academic studies of Industrial Engineering was established to meet all of our goals. The structure of the study program is about 15% of academic and general education, about 20% of the theoretical and methodological, about 35% of the scientific-technical and 30% of professional applicative objects. Is also mets the standard that the optional subjects are represented with at least 20% of ECTS credits (elective subjects in this study program is much higher than the standard specified minimum limit).

In addition the courses that constitute the present survey may be divided into the following groups:
- A group of subjects from the basic engineering disciplines (mathematics, mechanics, electrical engineering),
- A group of subjects from engineering,
- A group of objects that provide a systematic approach,
- A group of objects from the production technology,
- A group of economic and managerial subjects,
- A group of cases in the field of programming and application of modern software packages (CAD, simulation, ...)
- A group of subjects in which education in industrial engineering embodies.

The first three years are the basic, common and general education for all students of this educational program, and after completion of the third year, students choose one of four areas of expertise: design, organization and management systems, automation, information management and communication systems, and Quality and Logistics . So, in the fourth year students of Industrial Engineering concretize issues of the specific issues addressed by each of the subject areas.

During the fourth year, there are mandatory and the optional subjects.

Through elective courses, students meet their affinities which are profiled during the first three years of study.

All courses are intended for one semester and carry an appropriate number of ECTS where one ECTS corresponding to approximately 30 hours of student activities. The order of presentation of the case study program is such that the skills needed to acquire the following subjects is presented in previous subjects.

The curriculum is a description of each course with a title, type of article, year and semester, the number of ECTS, the name of the teacher, the course aims to appropriate outcomes, skills and competencies, prerequisites for attending the course, course content, suggested readings, teaching methods, method of assessment and evaluation, and other data.

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

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

A student finishes studies by producing the final work which consists of theoretical and methodological preparation necessary for in-depth understanding of the area from which the final project is made and the production of the work.

Prior to the defense of the candidate takes tests in the theoretical and methodological basis with mentor. The final score of the final work is done on the basis of the assessment laid on the theoretical and methodological preparation and assessment preparation and defense of the work. Final thesis is defended before a committee consisting of at least three teachers.

Table 5.2 Course specification

Course:		
Course id:	II1000	**Fundamentals of industrial engineering and management**
Number of ECTS:	6	
Teachers:		Šešlija D. Dragan, Šormaz N. Dušan
Course status:		Mandatory

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

Precondition courses	None

1. Educational goal:

Fundamentals of the industrial engineering is a basic subject in the study, understanding and designing of complex systems and processes in the field of industrial engineering and management. The educational objective to be achieved is to acquire the basic knowledge of engineering and systems view of the world, with emphasis on the application of this approach to product and service business systems so that students were able to independently perform engineering analysis of different engineering business systems.

2. Educational outcomes (acquired knowledge):

Students who complete the course and pass the exam are able to detect components of manufacturing and service systems, understand the relationships between them, analyse the main functions of the company as a complex dynamic system and detect its policie, plan and program.

3. Course content/structure:

Industrial Engineering and Systems Theory. Systems and the characteristics of the system, Basic dimensions and state of the system. System functions and flows in the system. The structure of the system. Environment conditions. Dynamic modeling of production systems. Control of the system. Industrial engineering and management challenges in the new millennium. Basic tools and techniques in management planning (SWOT analysis, portfolio management, gap analysis, break-even point analysis, etc..). Guidance. Motivation. Groups, teams and corporate culture. Encouraging creativity and innovation. Delegating authority. Corporate social responsibility and business ethics.

4. Teaching methods:

Teaching includes lectures on the subject with examples of application of system approach to the production and service systems and auditory exercises in which through a case study of different production and service systems in small groups are detailed the specific topics from the lecture.

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,	Zelenović, D., Ćosić, I., Šešlija, D.	Osnove industrijskog inženjerstva i menadžmenta - Sistemski prilaz	Fakultet tehničkih nauka, Novi Sad	2012
2,	Zelenović, D.	Osnovi teorije industrijskih sistema	Fakultet tehničkih nauka u Novom Sadu	1989
3,	Ćosić, I., Šormaz, D., Šešlija, D.	Osnove teorije industrijskih sistema - Priručnik za vežbe	Fakultet tehničkih nauka u Novom Sadu	1989

Table 5.2 Course specification

Course:		
Course id:	IM1002	**Mathematics 1**
Number of ECTS:	6	

Teachers:	Nikolić M. Aleksandar, Uzelac S. Zorica
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

Training students to think abstractly. Basic knowledge to higher mathematics and to enable students to apply their knowledge in other general and specialized subjects.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in professional courses. Student is competent for making, analysing and solving mathematical models in the further education within professional courses.

3. Course content/structure:

Determinants. Systems of linear equations. Matrices and matrix calculus. Polynomials and rational functions. Real functions of one real variable - limit value, continuity, differential calculus and application. Numerical solution of nonlinear equations.

4. Teaching methods:

Lectures. Computing practice. Consultations. In lectures, theoretical content is presented and illustrated with examples for better understanding of the course content. In computing practice, tasks are done to deepen the understanding of the presented content. Apart from lectures and practice, individual consultations are held regularly. A part of the content, making a larger logical unit, can be passed during the teaching process in the form of 2 parts. First part: Determinants. Systems of linear equations. Matrices and matrix calculation. Polynomials. Rational functions. Second part: Real functions of one real variable – limit value, continuity, differential calculation and application. Numerical solution of nonlinear equations.

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	70.00
Lecture attendance	Yes	5.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Jovanka Nikić, Lidija Čomić	Matematika jedan	FTN, Novi Sad	2005
2,	N. Adžić i drugi	Zbirka rešenih zadataka sa pismenih ispita iz matematike I , 1991.	Naučna Knjiga, Beograd	1991
3,	Tatjana Grbić i drugi	Zbirka rešenih zadataka iz matematike I	Stylos, Novi Sad	2004
4,	J. Stewart	Calculus	Brooks/Cole Publishing Company	1995
5,	D. L. Hoffman, L. G. Bradley	Calculus for Busines, Economics and the Social and Life Sciences	McGrow-Hill, USA, 1996.	1996
6,	Zorica Uzelac, Nevenka Adžic	Matematika za studente menadzmenta	Centar za matematiku i statistiku Fakulteta tehnickih nauka u Novom Sadu	2008
7,	Zorica Uzelac i drugi	Zbirka rešenih zadataka iz matematike za studente menadžmenta	Centar za meatematiku i statistiku Fakulteta tehničkih nauka u Novom Sadu	2008

Table 5.2 Course specification

Course:		**Sociology of Work**
Course id:	IM1003	
Number of ECTS:	4	
Teachers:		Nedeljković S. Uroš, Petrović A. Živojin, Radivojević D. Radoš
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 gain knowledge about sociological work subjects, forms of work organization and structure, and connection between organization and society in order to maximize the efficiency of human resource management and organization.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge about the importance of labor and social factors that influence the value of work, knowledge of theoretical concepts. Labour and modern models of organization, knowledge of formal and informal structures of working organization, knowledge about the factors that influence the success of the organization, knowledge of the theories of motivation and motivational models in methods of conflict, knowledge of alienated labor and humanization of work, knowledge about the impact of technology and technical intelligence on the development of society, knowledge about global changes in modern society and the factors of change.

3. Course content/structure:

The man and the value of labour: the division of work and its professional aspect, needs, interests and values as drivers of human labour. Theoretical understanding of the organization: scientific management, human relations theory, the theory of bureaucratic organizations, situational theory, behaviour theories. Contemporary models of organization: simple, bureaucratic, multidivision professional, the Japanese model, ad hoch democracies. The structure of organizations: formal horizontal and vertical structure, authority and responsibility
in the organization, and friendly interest groups. Factors of development organizations: the success of the organization, impact of national culture, technology and organizational culture on performance. Work motivation: the theory of motivation and models of motivation, work ethic and productivity, human resources. Alienation in work and leisure: the alienation of labour, alienation and technology, transfer of leisure. The conflicts in the organization: social, organizational and personal conflicts, trade unions and workers' power, strikes, industrial sabotage, crime, white collar and corporate crime. Humanization of work: work group, team work, forms of collective bargaining and industrial democracy. Changes in work in the modern age: the knowledge economy, politics employment, unemployment, job insecurity, job for life. Global changes and factors of its change: class structure of modern society and channel mobility, globalization and economic inequality, the impact of technology, culture, political and economic development of society.

4. Teaching methods:

Classes are held in the form of lectures, students participate in discussions about the problems exposed, seminar papers, conference papers, exercises and discussions on the problems of writing paper.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Coloquium exam	No	30.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	70.00
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Radoš Radivojević	Sociologija rada, Zbornik tekstova	Fakultet tehničkih nauka	2005
2,	Radoš Radivojević	Tehnika i društvo	Fakultet tehničkih nauka	2004
3,	Entony Gidens	Sociologija	Ekonomski fakultet, Beograd	2003
4,	Silvano Bolčić	Svet rada u transformaciji	Plato, Beograd	2003
5,	Majkl Haralambos	Uvod u sociologiju	Marketing golding	2002
6,	Keth Grint	The Sociology of Work	Cambridge, Polity	1991
7,	Rudi Volti	An Introduction to the Sociology of Work and Occupations	Sage Publications	2007
8,	Clifton D. Bryant, Dennis L. Peck	21st Century Sociology: A Reference Handbook	Sage Publications	2007

Table 5.2 Course specification

Course:		Engineering materials			
Course id:	II1001				
Number of ECTS:	6				
Teachers:		Baloš S. Sebastian, Škorić N. Branko			
Course status:		Mandatory			

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

Precondition courses	None

1. Educational goal:

The aim of this subject is knowledge transfer from the field os engineering materials.

2. Educational outcomes (acquired knowledge):

The excpectance is that the sudent is able to recognize, select and evaluate modern engineering materials.

3. Course content/structure:

Fundamentals of materials science. Metallic materials. Metallic materials designation system. Polymer materials. Ceramic materials. Composite materials. Materials selection. Materials characterisation.The importance and application of heat treatment on mechanical engineering. Types of processes and job descriptions. Removing stress, improve workability and unifying structure, problems of deformation and impact on quality. Impact on the use of strength, toughness and fatigue strength increase engineering materijala. Influence of surface hardening (classic and plasma processes) on the quality of machine design

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. One part of the exercises is experimental, while the other part is PC - oriented.

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,	R.E.Smallman, A.H.W.Ngan	Phisical metallurgy and advanced materials	Butterworth-Heinemann	2007
2,	L.Šiđanin, K.Gerić	Mašinski materijali	FTN Novi Sad	2012
3,	M.F. Ashby, D.R.H.Jones	Engineering Materials I	Elsevier	2002
4,	M.F. Ashby, D.R.H.Jones	Engineering Materials II	Elsevier	2002

Table 5.2 Course specification

Course:			
Course id:	II1002	**Computer Technologies**	
Number of ECTS:	7		

Teachers:	Ristić M. Sonja, Ćulibrk R. Dubravko

Course status:	Mandatory

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
4	0	4	0	0

Precondition courses	None

1. Educational goal:

The course is a technically-oriented introductory survey of information technology, designed to prepare students without a technical background in information technology for further studies of Industrial Engineering. The course introduces students to several areas of information technology including the personal computer (PC) and PC applications (PC hardware and software), networking, operating systems, text editors, spreadsheets, presentation and slide software and programming principles.

2. Educational outcomes (acquired knowledge):

This course will enable students to: understand the basic concepts and terminology of information technology and be able to define them; understand the major hardware components of a modern computing system and their functions and interactions; understand the principles of operating systems and computer networks; use Internet services and understand possible merits and risks in global computer network; acquire basic skills and be able to use the main personal computer applications; increase ability to learn and explore new information technologies with confidence; understand algorithmic way of thinking and programming principles; and identify issues related to information security.

3. Course content/structure:

Fundamental concepts of information technologies (IT). Computer architecture and functionality. Data representation. Software tools: text editors, spreadsheets and presentation and slide systems. Computer networks: types, components, communication protocols, and inter networking principles. Aspects of global computer network. Internet services, applications and usage. Algorithmic procedures for data processing. Integrated software development environments. Fundamental concepts of selected programming language. Fundamental programming techniques.

4. Teaching methods:

Teaching is done through lectures and exercises that are performed in the computer lab.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Complex exercises	Yes	10.00	Written part of the exam - tasks and theory	Yes	30.00
Complex exercises	Yes	10.00			
Complex exercises	Yes	5.00			
Complex exercises	Yes	15.00			
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Luković I., Ristić S., Stefanović D., Rakić-Skoković M.	Osnove računarskih tehnologija i programiranja	Fakultet tehničkih nauka, Novi Sad	2007
2,	Louden C. K., Lambert K. A.	Programming Languages: Principles and Practices	Course Technology	2011
3,	Shelly B. G., Vermaat E. M.	Discovering Computers - Fundamentals 2011 Edition	Course Technology	2011

Table 5.2 Course specification

Course:		
Course id:	EJ02Z	**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:

Further developing English language essentials: expansion of vocabulary related to everyday situations, adoption of basic prefixes and suffixes, compounds and collocations, expansion in the usage of tenses, adoption of more complex sentence structures.

2. Educational outcomes (acquired knowledge):

Students are capable of using both oral and written English language in everyday situations by using the expanding vocabulary and more complex sentence structures.

3. Course content/structure:

Word formation (prefixes, suffixes, compounds), some phrasal verbs, collocations. Expansion in using tenses (Present Continuous, Present Perfect Simple and Continuous, Past Perfect, Past Continuous, future forms). Adoption of most irregular verbs. Passive structures. Time, relative and conditional clauses.

4. Teaching methods:

The communication method is used since the goals and content are related towards communication that is rather complex. This method simultaneously develops all language skills. The emphasis is on students` activities during classes, 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 English Course, Preintermediate	Oxford University Press	2003
2,	John Eastwood	Oxford English Grammar Intermediate	Oxford University Press, Oxford	2006
3,	Grupa autora	Oxford English - Serbian Dictionary	Oxford University Press	2006
4,	Morton Benson	Srpsko-Engleski rečnik	Prosveta	1993

Table 5.2 Course specification

Course:		German Language – Pre-Intermediate		
Course id:	NJ02L			
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	None

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:		
Course id:	RJ02L	**Russian Language - Pre-Intermediate**
Number of ECTS:	2	
Teacher:	Vetro L. Jelena	
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:

Further development of Russian 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 Russian language, expansion and development of 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:

Additional use of grammatical tenses, direct and indirect speech, reflexive verbs, irregular verbs, verbs of movement. Comparison of adjectives. Agreement of nouns and numbers, ordinal numbers. Prepositions.Vocabular related to everyday topics: Biography, Interview, leisure time, customs and holidays, at home and in Russia.

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
Homework	Yes	5.00	Coloquium exam	No	20.00
Lecture attendance	Yes	5.00	Coloquium exam	No	20.00
Test	Yes	10.00	Theoretical part of the exam	Yes	40.00
Test	Yes	10.00	Oral part of the exam	Yes	30.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	O.V. Golovko	Vpered!	РЯ - Moskva	2006
2,	E.L. Korčagina, N.V. Smыkunova	Russkiй язык: pervыe rezulьtaty	РЯ - Moskva	2007
3,	Grupa autora	Čitaem o Rossii po-russki	Moskva	1998

Table 5.2 Course specification

Course:		
Course id:	II1052	**Mathematics 2**
Number of ECTS:	6	
Teachers:		Nikolić M. Aleksandar, Uzelac S. Zorica
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

1. Educational goal:

Training students to think abstractly. Basic knowledge to higher mathematics and to enable students to apply their knowledge in other general and specialized subjects.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in professional courses. Student is competent for making, analysing and solving mathematical models in the further education within professional courses.

3. Course content/structure:

Real functions of one real variable – indefinite and definite integrals and application. Real functions of several real variables , differentiation calculus and application. Unconstrained and constrained extreme values of functions of several variables. Economic functions. Optimization of economic functions. Elasticity of economic functions.Simple and compound interest, continuous compounding. First order differential equations.

4. Teaching methods:

Lectures. Computing practice. Consultations. In lectures, theoretical content is presented and illustrated with examples for better understanding of the course content. In computing practice, tasks are done to deepen the understanding of the presented content. Apart from lectures and practice, individual consultations are held regularly. A part of the content, making a larger logical unit, can be passed during the teaching process in the form of 2 parts. First part: Real functions of one real variable – indefinite and definite integrals and application. Real functions of several real variables, differentiation calculus and application. Unconstrained and constrained extreme values of functions of several variables. Second part: Economic functions. Optimization of economic functions. Elasticity of economic functions.Simple and compound interest, continuous compounding. Introduction to the dinamics of economic systems: first order differential equations.

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	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Jovanka Nikić, Lidija Čomić	Matematika 1 prvi deo	FTN	2005
2,	Irena Čomić, Aleksandar Nikolić	Diferencijalne jednačine	FTN	2005
3,	Tatjana Grbić i drugi	Zbirka rešenih zadataka iz Matematike 1	Stylos	2004
4,	Zorica Uzelac, Nevenka Adzic	Matematika za studente menadzmenta	Centar za matematiku i statistiku Fakulteta tehnickih nauka u Novom Sadu	2008
5,	Laurence D. Hoffman, Gerald L. Bradley	Calculus for Busines, Economics and the Social and Life Sciences	McGrow - Hill	1996
6,	Zorica Uzelac i drugi	Zbirka rešenih zadataka iz matematike za studente menadžmenta	Centar za matematiku i statistiku Fakulteta tehnickih nauka u Novom Sadu	2008

Table 5.2 Course specification

Course:		
Course id:	IM1008	**Processes and Work Equipment**
Number of ECTS:	6	

Teacher:	Jocanović T. Mitar
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

Aquisition of knowledge and introduction with different technological processes.

2. Educational outcomes (acquired knowledge):

Students are trained to identify, detect, and participate in the resolution of specific problems related to the processing and manufacturing technology.

3. Course content/structure:

Whole matter are divided on lectures about technological systems for production: oil, iron, steel, cooper, wood, electric power, polymers, food... Beside explanation of technological processes and systems, there is given history development of those technologies. Every lecture presentation is ilustrated with drawings and photographs. Lecture presentations include profesor – student discussion about main segments of techologies development.

4. Teaching methods:

Classes has auditorial form, and followed by auditorial exercisess. Exercises has a purpose to present technologies more detailed. There are given numerous examples in practice to better understanding presented lectures. Beside this, there is organized visits to companies where students can see examples, which are presented on class.

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			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Savić, V.	Proizvodni tehnološki sistemi 1	IKOS	2001
2,	Savić, V.	Proizvodni tehnološki sistemi 2	IKOS	2001

Table 5.2 Course specification

Course:			
Course id:	II1003	**Product development and design**	
Number of ECTS:	7		
Teacher:		Krsmanović B. Cvijan	
Course status:		Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
4	2	0	0	2

Precondition courses	None

1. Educational goal:

The subject is intended for explanation and studying of major principles and methods in product development and design in industrial production systems, using by multi-criterion approaches. Special attention in the work on subject is dedicated to development of new products and re-engineering of actual products with using of contemporary methods and standards implementation. The subject is primary intended for development of listeners creative component and for their preparation for competent participation in processes of product development and production preparation.

2. Educational outcomes (acquired knowledge):

Primary, students are training for competent and systematic approaching to problems of industrial products development and design. In the same time, they control methods and techniques of developmental and designers work. From this subject students acquire great volume of useful and pragmatic knowledge in engineering and technique field. They introduce components of technical systems and correspondent standards too.

3. Course content/structure:

The notions of product and production program. Major aspects of product and production program development. Fundamentals of communication about industrial product, presentation spaces and methods of presentation. Main principles of product documenting. Materials in engineering practice. Elements of technical systems: basic concepts and classification. Principles of building and dismounting of industrial products. Product multi-functionality. The concept of sustainable product development.

4. Teaching methods:

Lectures on this subject are frontal, with application of modern didactic means and methods. Exercise teaching are performing as frontal or in lab. Listeners have obligation to accomplish of 3 (three) seminar articles during of exercise teaching.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	50.00
Graphic paper	Yes	40.00			
Laboratory exercise attendance	Yes	5.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Dovniković, Lazar	Tehničko crtanje sa nacrtnom geometrijom	Fakultet tehničkih nauka	1996
2,	Šiđanin, Leposava; Gerić, Katarina	Mašinski materijali I	Fakultet tehničkih nauka	2002
3,	Veriga, Slobodan	Mašinski elementi: Veze i spojevi mašinskih elemenata	Mašinski fakultet u Beogradu	1972
4,	Veriga, Slobodan	Mašinski elementi: prenosnici - frikcioni prenosnici - kinematika zupčanika	Mašinski fakultet u Beogradu	1972

Table 5.2 Course specification

Course:		Mechanics and Industrial Engineering
Course id:	II1004	
Number of ECTS:	7	
Teachers:		Spasić T. Dragan, Glavardanov B. Valentin, Grahovac M. Nenad, Maretić B. Ratko, Žigić M. Miodrag
Course status:		Mandatory

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

Precondition courses	None

1. Educational goal:

The intention of this course is to provide a meaningful experience and breadth of knowledge of mechanics as a science of forces, motion and deformation of the bodies subjected to forces. This course, addresses the student to understand the basic notions, terminology and application of these notions in different problem posing and problem solving tasks, by means of recognizing, identifying and formulating appropriate models and by choosing appropriate either numerical or analytical solving procedures. In doing so an introduction to principles of engineering argumentation and decision making is also present.

2. Educational outcomes (acquired knowledge):

At the end of the course students will be expected to have ability: to apply this new knowledge in engineering disciplines involving non-smooth mechanics; to recognize various motion of the real life systems, effect of different forces, to analyze friction and dissipation of energy, to use computer tools in prediction of various motions by means of appropriate models; to communicate with other engineers within a team work; This course prepares the student for further learning as well as for practice, hard work, creative thinking, further development of skills in design of new solutions of engineering problems.

3. Course content/structure:

This course covers the following topics. States, state properties, changes of states and equations relating these changes. Object under considerations and their basis movements. Force, moment of a force with respect to a point (an axis), torque. Systems of forces and torques. Description of motion for a point and rigid body. Global and local properties. Motion analysis in terms of matrices. The Euler theorem. The theorem of Rival. The theorem of Coriolis. Axioms of dynamics. Linear momentum, angular momentum for a chosen point, kinetic energy and the theorems of their changes. Work, power and energy of a mechanical system. Newton-Euler axioms. The Kenning theorem. Spatial motion of a rigid body. State of equilibrium and the Poisson theorem. Introduction to strength of materials. Stress, strain. Linear elements: extension, compression, shear, torsion, flexion and buckling. Constitutive equations: geometrical and material properties. Selected examples of how does the presented theory works in practice: crankshaft, ball bearings, universal joint, rolling disc, balancing etc. Dry friction models and impacts are also included.

4. Teaching methods:

Stress is laid on deduction. Careful selection of the examples which show how does the presented theory works in practice, and how things were made and how things should be used, as well as why something can be done in the proposed way and can not be done otherwise, why some procedures are superior with respect to others. After the lectures, auditory exercises, and demonstration of computer tools, homeworks, as a check of understanding and usage of the introduced notions are required. The examination ends with a final talk on the introduced notions and tools.

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	40.00
Homework	Yes	5.00	Practical part of the exam - tasks	Yes	30.00
Homework	Yes	5.00			
Homework	Yes	5.00			
Homework	Yes	5.00			
Lecture attendance	Yes	5.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	D. T. Spasić	Mehanika	u pripremi	2012
2,	Markeev	Teorijska mehanika	Nauka, Moskva	1990
3,	Kolesnikov	Zbirka zadataka iz mehanike	Nauka, Moskva	1984
4,	Glocker Ch. and Pfeiffer F.	Dynamics of systems with unilateral constraints	Springer	1999
5,	Meščerski I.V.	Zbirka zadataka iz teorijske mehanike	Nauka, Moskva	1986

Table 5.2 Course specification

Course:		
Course id:	EJIIM	**English for Specific Purposes**
Number of ECTS:	3	
Teachers:		Bogdanović Ž. Vesna, Gak M. Dragana, Katić M. Marina, Ličen S. Branislava, Mirović Đ. Ivana, Šafranj F. Jelisaveta, Vuković-Vojnović B. Dragana
Course status:		Elective

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

Precondition courses

1. Educational goal:

Mastering the most important terms related to industrial management. Developing strategies for understanding English as a foreign language. Training to read and understand the original English texts from various sources related to specific aspects industrial management. Developing oral and written communication related to the themes using appropriate vocabulary and complex sentence constructions.

2. Educational outcomes (acquired knowledge):

Adoption of the most important terms related to industrial management. Developing communication strategies for understanding the professional text. Training to read and understand the original English texts from various sources related to specific aspects industrial engineering and management. Developing oral and written communication, using appropriate vocabulary and complex sentence constructions. Students can follow a variety of literature in this field and communicate the mid-career topics in English, using terms and sentence structure characteristic of the language of their future profession.

3. Course content/structure:

Treatment of advanced business texts in English of the various aspects and areas of industrial management. Developing different strategies for understanding business English text. Learning basics and wider terms related to the profession. Adoption of language functions such as business negotiation, contracting, management meeting, reading graphs and charts, conduct telephone conversations, presentations, etc.. The emphasis is on new business terminology, common prefixes, suffixes, compound words and collocations. Passive constructions, participial construction. Conducting business correspondence - writing various letters, e-mail, faxes, memos, reports, etc..

4. Teaching methods:

Communicative approach is the applied teaching methodology of language learning as the objectives and activities are aimed at communicating which is very complex. This method can equally develop skills both of written and oral expression. Students learn from texts associated with their experience and knowledge gained from other courses. New vocabulary is adopted and practiced through oral and written exercises. Repeated and expanded knowledge of certain grammatical structures. Students are encouraged to speak English language through organized work in pairs, groups, or shared discussion functionality use of language in a given situation which is simulated through situational dialogue.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	40.00
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	David Cotton, David Falvey, Simon Kent	Market Leader, Course Book, Intermediate Business English	Longman	2001
2,	David Cotton, David Falvey, Simon Kent	Market Leader, Practice File, Intermediate Business English	Longman	2001
3,	Sheila Dignen	Longman Business English Dictionary	Longman	2001

Table 5.2 Course specification

Course:		German for Specific Purposes			
Course id:	NJIIM				
Number of ECTS:	3				
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		2
Precondition courses		None			

1. Educational goal:

Mastering the vocabulary related to business communication; emphasis is on mastering the written form of business correspondence, and also on partial mastering the situations in business correspondence using personal or phone conversations. Repeating previously learnt grammar structures, both simple and more complex ones, necessary for diverse situations in business communication.

2. Educational outcomes (acquired knowledge):

Students are able to write their curriculum vitae, business letters for business correspondence, and they are capable of conducting a conversation in business communication.

3. Course content/structure:

Practical part of the course: reading and understanding business letters, individual writing of business letters and conducting business conversations, understanding in listening texts. Theoretical part of the course: final sentences, verb rection, adjective inflection, perfect, imperfect, temporal clauses, conditional clauses, causal clauses, passive, future, comparison, relative clauses.

4. Teaching methods:

Emphasis is on written form, but also on communication. Students have a conversation that was previously designed and related to situations in business communication.

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,	Axel Hering, Magdalena Matussek	Geschäftskommunikation	Hueber Verlag	2005

Table 5.2 Course specification

Course:	
Course id: RJIIM	**Russian for Specific Purposes**
Number of ECTS: 3	
Teacher:	Vetro L. Jelena
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

Mastering the most important terms related to the profession. Developing strategies for understanding Russian as a foreign language. Training reading and understanding the original Russian texts from various sources related to specific aspects of industrial management. Developing oral and written communication related to these themes using appropriate vocabulary and complex sentence constructions.

2. Educational outcomes (acquired knowledge):

Adoption of the most important terms related to the profession. Developing communication strategies for understanding professional text. Training in reading and understanding the original Russian texts from various sources related to specific aspects of industrial management. Developing oral and written communication, using appropriate vocabulary and complex sentence constructions. Students can follow a variety of literature in this area and communicate on professional topics in Russian language by using terms and sentence structure characteristic of the language of their future profession.

3. Course content/structure:

Practicing advanced business texts in Russian language related to different aspects and areas of industrial management. Developing different strategies for understanding Russian business text. Learning basics and wider terms related to the profession. Adoption of language functions such as business negotiation, contracting, management meeting, reading graphs and charts, conduct telephone conversations, presentations, etc.. The emphasis is on new business terminology, common prefixes, suffixes, compound words and collocations. Participial and passive constructions. Guidance business correspondence - writing various letters, e-mail, faxes, memos, reports, etc..

4. Teaching methods:

Communicative approach is the main teaching methodology, since the objectives and activities are aimed at communication, which is very complex. This uniform method develops skills of both written and oral expression. Students learn from the text associated with their experience and knowledge gained from other objects. New vocabulary is adopted and practiced through oral and written exercises. Repeated and expanded knowledge of certain grammatical structures. Students are encouraged to talk in Russian through an organized work in pairs, groups, joint discussion or functional use of language in a given situation simulated through situational dialogue.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	5.00	Coloquium exam	No	20.00
Lecture attendance	Yes	5.00	Coloquium exam	No	20.00
Test	Yes	10.00	Theoretical part of the exam	Yes	40.00
Test	Yes	10.00	Oral part of the exam	Yes	30.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ljubica Nestorov	Russkiй яzыk - naučnый stilь	Mašinski fakultet - Beograd	1991
2,	Grupa autora	Testoчный praktikum po russkomu яzыku delovogo obщeniя	RЯ - Moskva	2007
3,	Grupa autora	Russkiй яzыk - kurs dlя biznesmenov	Moskva	1994

Table 5.2 Course specification

Course:		
Course id:	IM1011	**Applied Operational Research**
Number of ECTS:	5	

Teachers:	Anišić M. Zoran, Lisov R. Milimir
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:

The goal of Applied operational research is mastering knowledge and methods of optimization-related research operations in manufacturing and service systems. The goal is also a recognition of problems in industrial practice that can be modeled and optimized methods are processed. Solving the problem of operations research leads to the objective basis for decision making in the optimization process.

2. Educational outcomes (acquired knowledge):

Knowledge gained on the one hand are the methods and techniques of optimization algorithms for solving them, and on the other hand are typical examples and case studies in industrial systems where they can be successful using them.

3. Course content/structure:

Subject and purpose of applied operational research. New directions in the development and implementation of industry. Linear programming. Application to problems of resource allocation, production management, budget planning in the function minimization or maximization of a given goal. Simplex method and its geometric and algebraic interpretation. Transportation problem. The case studies in the fields of transport, logistics and deployment of workers to specific tasks. Game Theory. Formulation and classification of games. Network planning techniques. Critical path method and PERT. Network planning - such as enterprise resource planning (time, meterijalnih and human), and costs. Inventory management - classical models. Stochastic models. Inventory management problems in industry, commerce, tourism,. Etc.. Monte-Carlo simulation. Optimization of production planning and control. Modeling queuing. Case studies of queuing in the service industry (banks and supermarkets, public transport service information., Etc..). Case studies of optimization in manufacturing and service systems, with emphasis on the difficulties in applying methods of operational research.

4. Teaching methods:

Teaching is done through lectures followed by slides and auditory exercises in which all examples are taken from real-industry problems.

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	Practical part of the exam - tasks	Yes	40.00
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Čupić, M.	Teorija odlučivanja i kvantitativne metode	Fakultet tehničkih nauka u Novom Sadu	2004
2,	Krčevinac, S. i dr.	Operaciona istraživanja 1	Fakultet organizacionih nauka Beograd	2006
3,	Krčevinac,S. i dr.	Operaciona istraživanja 2	Fakultet organizacionih nauka Beograd	2006
4,	Karlsson, Ch.	Researching Operation Management	Taylor&Frencis	2009
5,	Ciriani, A.T. et. all.	Operational Research in Industry	Purdue University	1999

Table 5.2 Course specification

Course:		Probability and Statistics
Course id:	IM1012	
Number of ECTS:	5	

Teachers:	Gilezan K. Silvia, Adžić Z. Nevenka
Course status:	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:

Enabling students for abstract thinking and acquisition of basic knowledge in the field of Probability and Mathematical Statistics. The course objective is to develop special way of thinking in students while studying massive phenomena in the field of environmental engineering. The course character is applicational and the importance is given to the knowledge which can explain quantitative approach to the issues from the field of study. Students are also able to use statistical programs. The objective is to enable students to choose adequate statistical methods, to do statistical analysis and to essentially elaborate it. This knowledge is the foundation for better understanding of the professional literature and for successful advancement in studies.

2. Educational outcomes (acquired knowledge):

The student should use acquired knowledge in further education and in professional courses. He/she can make and solve mathematical models using the knowledge acquired in this course. Mastering theoretical knowledge in the field of probability and mathematical statistics studied in this course and skills of calculating and analyzing calculated statistical indicators.

3. Course content/structure:

Theoretical lectures: Probability: Axioms of probability. Conditional probability. Bayes formula. Random variable of discrete and continuous type. Random vector of discrete type and common distribution. Conditional distribution. Transformation of random variables. Mathematical expectation. The variance and standard deviation. Moments. Covariance, correlation coefficient. Conditional expectations. Large numbers law. Central limit and linear theorem. Correlation and linear regression. Sample distribution, the mean value and dispersion. Statistics: basic concepts. Population, sample. Statistics. Descriptive statistical analysis (basic concepts, data editing, table and graphic presentation of data, data analysis using methods of descriptive statistics, software support to statistical analysis). Assessment of unknown parameters (point assessment: The method of moments and maximum likelihood method. Interval rates). Parametric and nonparametric hypothesis and tests. Practical lecture (practice): During the lectures adequate examples from theoretical lectures are done, thus practicing the knowledge and contributing to the better understanding of the lectured knowledge.

4. Teaching methods:

Lectures: Numerical computing practice, computer practice. Consultations. Lectures are combined. During the lectures theoretical part of the course followed by characteristic examples are presented for better understanding of the lectured material. During the practice, which accompanies lectures, typical problems are solved and the knowledge from the lectures is deepened. During the computer practice processing of obtained data is done using the statistical software. Besides lectures and practice, consultations are held on a regular basis. A part of the course, which represents a logical whole, can be taken during the teaching process in the form of the next two modules (the first module: Probability; the second module: Statistics. In order to take the final examination, the student has to complete computer practice.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Coloquium exam	No	20.00
Homework	Yes	5.00	Coloquium exam	No	20.00
Homework	Yes	5.00	Theoretical part of the exam	Yes	30.00
Lecture attendance	Yes	5.00	Practical part of the exam - tasks	Yes	40.00
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	M. Stojaković	Matematička statistika	FTN Novi Sad	2003
2,	S.Gilezan, Z.Lužanin, Z.Ovcin, Lj.Nedović, T.Grbić, B.Mihajl	Zbirka rešenih zadataka iz statistike	CMS	2005

Table 5.2 Course specification

Course:		
Course id:	II1005	**Computer Aided Product Design and Analysis**
Number of ECTS:	5	
Teacher:		Krsmanović B. Cvijan
Course status:		Mandatory

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

Precondition courses	None

1. Educational goal:

The subject is purposed for education of students in the field of computer aided engineering design with application of contemporary software products and tools. It is preparing students for using of information technology means in creative engineers' work through their studying of basic principles of product design automation and through practical application of CAE/CAD software products in industrial engineering. In the same time, students acquire a great volume of practical knowledge and useful skills applicable in engineering practice.

2. Educational outcomes (acquired knowledge):

In the result of teaching and pro-active participation in teaching work, students are preparing for computer aided design of industrial products and their components using by dedicated software products for product modeling, engineering analysis,construction and production in contemporary industrial systems. During of the course, students realize high level of preparing for practical application of a number computer aided design software solutions which represent world-wide standards and which are available in correspondent labs.

3. Course content/structure:

Basic concepts in the subjects' field: the industrial product, product design, automation of design procedures. Product structure and methods for its description and presentation. Computer aided product design in industrial engineering. Systems for computer aided product analysis and design. Procedures and tools in CAD systems. Product design automation in the context of computer integrated manufacturing and computer integrated business.

4. Teaching methods:

Teaching on the subject consists of lectures and teaching exercises which are computer supported. In context of teaching exercises it is predicted that students accomplish mandatory seminar articles with opened possibility of consultation with their professors.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	50.00
Lecture attendance	Yes	5.00			
Term paper	Yes	40.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Krsmanović, Cvijan	Automatizacija projektovanja u industrijskom inženjerstvu	Fakultet tehničkih nauka	1997
2,	Magrab, E. B.	Integrated Product and Process Design and Development	CRC Press	1997
3,	Norton, R. L.	Machine Design	Prentice Hall	2010
4,	Ulrich, K., Eppinger, S.	Product Design and Development	McGraw-Hill	2011

Table 5.2 Course specification

Course:			
Course id:	II1006		**Processing Technology Products**
Number of ECTS:	5		
Teacher:		Radaković J. Nikola	
Course status:		Mandatory	

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

Precondition courses	None

1. Educational goal:

The main objective of the course is to introduce students to the basic product processing technologies in various production fields (metal, wood, plastic, etc..).

2. Educational outcomes (acquired knowledge):

Students will gain necessary knowledge about the various technological processes and applied treatment technologies. During the semester students will have theoretical lectures and cases from industry presenting the implementation of concrete products.

3. Course content/structure:

Definition of basic concepts related to product processing operations. Classification and systematization of job processing. Metal casting process, a description of certain types of casting, basic features and applications. Metal forming processes through deformation, a description of certain types of deformation processing, basic features and applications. The processes of metal machining, of the specific type of machining process, the main characteristics and application. Plastics processing operations, a description of certain types of processing, basic features and applications.
Wood treatment processes, specific types of treatment, basic features and applications. Unconventional forming methods, a description of certain types of processing, basic features and applications. Heat treatment of the product, a description of certain types of processing, basic features and applications. Surface product protection. Basic work flow in the production processes Machines for manufacturing processes, types of machines, basic features and applications. Tools for manufacturing processes, types of tools, basic features and applications. Accessories in process, their role, the types of tools and applications. The methodology of selecting the optimal product development process.

4. Teaching methods:

Lectures will provide students with basic knowledge of product processing technology, supported by concrete examples. During exercises students will present examples of technological processes for specific products. During the semester one visit to a manufacturing organization is planned.

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			
Project	Yes	40.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Radaković, N.	Tehnologije obrade proizvoda (elektronska skripta)	Fakultet tehničkih nauka, Novi Sad	2012
2,	Milikić, D.	Tehnologija obrade rezanjem	Fakultet tehničkih nauka, Novi Sad	2003
3,	Kovač, R.	Tehnologija izrade odlivaka	Fakultet tehničkih nauka, Novi Sad	2006
4,	Plančak, M.	Tehnologija plastičnog deformisanja	Fakultet tehničkih nauka, Novi Sad	2012
5,	Milikić, D.	Nekonvencionalni postupci obrade	Fakultet tehničkih nauka, Novi Sad	2002
6,	Sovilj, B.	Alati za obradu rezanjem	Fakultet tehničkih nauka, Novi Sad	2007
7,	Hodolič, J., Vukelić, Đ.	Pribori	Fakultet tehničkih nauka, Novi Sad	2008
8,	Hodolič, J., Vukelić, Đ.	Pribori	Fakultet tehničkih nauka, Novi Sad	2008
9,	Swift, K. G., Booker, J. D.	Process selection - From design to manufacture	Arnold, London	1997

Table 5.2 Course specification

Course:			
Course id:	IM1014		**Company Economics**
Number of ECTS:	5		

Teachers:	Marić B. Branislav, Ivanišević V. Andrea
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

The goal of course the company Economics, is the understanding of the organization / company as a phenomenon peculiar to a market economy, business oriented enterprise analysis and selection of necessary and appropriate resources, the study of specific economic reality of companies (investment element and the element results, and their mutual interdependence), and growth and development companies, acquiring basic knowledge of the theory of costs (types, dynamics calculation), as well as an understanding of internal and external factors of business efficiency and effectiveness of operations.

2. Educational outcomes (acquired knowledge):

After conquering the matter relating to the specific economic reality (the economy) companies, students will be able to understand the basic principles of functioning of microeconomics, principles that govern it, the factors that affect its dynamics, in order to successfully engage in business practices and specific economic reality of any organization.

3. Course content/structure:

Lectures: Introduction to Economics Enterprise (enterprise economics as a separate discipline, defining the economics of the company, subject, task and objective study of the economics of the company, the economics of the company Focus, study methodology), The role of enterprises in the market economy, record companies, modern organizational forms of enterprises, Concrete economic reality of the company (investment elements, relationship of elements and results elements investment, fair wear and financial expression (term consumptions and cost elements of production, costs and expenses), capacity utilization and cost dynamics elements of production, technical and economic classification of production capacity, cost dynamics depending on the degree of utilization of production capacity-fixed and variable costs), playback results, total income of the organization, profit and loss, business efficiency and effectiveness of the organization, playing a indicators of economy-productivity, efficiency and profitability of the organization).

4. Teaching methods:

Lectures, exercises, consultations, consideration of specific problems in the field of enterprise economy.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	20.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	50.00
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Marić, B.	Organizacija preduća	Fakultet za preduzetni menadžment, Novi Sad	2006
2,	Penezić, N.	Ekonomika preduzeća	Fakultet tehničkih nauka u Novom Sadu	2005

Table 5.2 Course specification

Course:		Fundamental electrical engineering			
Course id:	II1007				
Number of ECTS:	5				
Teachers:		Pekarić-Nađ M. Neda, Juhas T. Anamarija			
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:

The course objective is to teach the students terminology and fundamental laws in electrical engineering, as well as to train them to solve electric circuits of direct current and time alternating current.

2. Educational outcomes (acquired knowledge):

Students who complete the course are able to solve simple electrical circuits of direct current and to solve simple electric circuit with time harmonic current. They also know how to calculate instantaneous, complex, active, reactive and maximum power in electric circuits. The students are able to individually solve simple electrical problems, to successfully communicate with their peers and to be a successful part of a multidisciplinary team.

3. Course content/structure:

Electric energy, voltage, potential. Capacitors. Intensity of electric current. Kirchhoff's Current law. Ohms law, resistors, series and parallel resistors, mixed resistors. Joules law. Kirchhoff's voltage law. Generators and their characteristics. Simple electric circuits. Direct current circuits. Time harmonic current. Impedance and simple circuits. Phasors. Time harmonic analysis, trigonometrical solution of the AC circuits. Complex power. Maximum active power transfer. Symmetrical three phase systems.

4. Teaching methods:

The course consists of lectures and multimedia presentations. Inductive teaching method is applied. Engineering intuition is built based on a set of small examples . Students work on at least four lab experiments related to direct current and time harmonic current.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	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,	Anamarija Juhas, Miodrag Milutinov, Neda Pekarić Nadj	Zbirka iz osnova elektrotehnike za studente strukovnih studija	Edicija FTN	2012
2,	Giorgio Rizzoni	Principles and applications of electrical engineering	McGraw Hill	2011

Table 5.2 Course specification

Course:		Work Study and Ergonomics
Course id:	IM1116	
Number of ECTS:	5	

Teachers:	Ćosić P. Ilija, Heraković S. Niko, Simeunović V. Nenad
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

The aim of the course is to introduce students into modern methods of measurement and study of work, which are used in the work process improvement.

2. Educational outcomes (acquired knowledge):

Students will gain knowledge for work process improvement implementation, identifying and defining the problem, through data collection, analysis, and taking measures for improvement.

3. Course content/structure:

Introduction to the work study, basic concepts definition: the process of work, case work, working system, work process participants. Work process structure, the division of labor. Work time structure. Determining the time by recording, instantaneous method of recording, feedback method of recording. Standard time predefined systems, MTM (Methods Time Measurement) system. Working process improvement, Kaizen approach. Methods for extracting and displaying information about the processes and operations. Methods for the work processes analysis, flow process diagram, Ishikawa diagram, ABC chart. Methods for the analysis of time efficiency in the workplace, current methods of observation. Ergonomic design for work. Physiological work conditions. Psycho-sociological conditions at work. Working environments conditions, lighting, noise, micro-climate, color. Anthropometric conditions at work. 5S steps for decorating workplace by Kaizen. Rational principles of operation.

4. Teaching methods:

Lectures will be organized by thematic units from the theoretical basis with the presentation of examples. Specific tasks and examples of subject areas will be processed on the exercises, certain methods of work process improvement will be treated in detail, with the involvement of students in independent tasks and thereby the emphasis will be on teamwork.

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,	Leber, M., Polajnar, A.	Študij dela za delo v praksi	Fakulteta za strojništvo, Maribor	2000
2,	Ćosić, I., Miletić, Lj.	Nauka o radu	Viša poslovna škola, Novi Sad	1996
3,	Imaj, M.	Kaizen - Ključ japanskog poslovnog uspeha	Mono i Mananja, Beograd	2008
4,	Freivalds, A., Niebel, B. W.	Niebels Methods, Standards, and Work Design	McGraw-Hill Higher Education	2009

Table 5.2 Course specification

Course:		
Course id:	II1008	**Design methods of working procedures (CAPP, CAM)**
Number of ECTS:	5	

Teacher:	Radaković J. Nikola
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:

The main objective of the course is to provide students with strong theoretical knowledge on designing technological methods of products production, including computer aided design and manufacturing, but also to enable them apply knowledge in specific cases in real time situations.

2. Educational outcomes (acquired knowledge):

After successful completion of course obligations, students will be acquainted with (1) methodology to design technological processes for manufacturing processes, (2) basic computer based software for design of technological processes, (3) basics computer support in the production and (4) pass the course in CNC programming and trained for making CNC program for a particular type of analysis.

3. Course content/structure:

The structure of the product realization process. Documentation of production, technological documentation. Design methods of working procedures. The structure of a design procedures. The analysis of the subject, the process of determining the type of work. Analysis on the surface, determining the necessary processing interventions, group interventions and definition of the required operations. The choice of places to perform the operation. Determination methods of positioning and clamping objects on the machine, accessories for positioning and clamping. The choice of tools for performing operations. Determination of work regime. Determination of work time. Automation of work processes, computer aided design of working procedures (CAPP). Production automation, Computer aided manufacturing (CAM). The basics of programming numerically controlled machines (CNC machine).

4. Teaching methods:

Lectures will provide students with the theoretical framework to design work procedures, including computer aided design and manufacturing. During exercises students will have opportunity to see industrial examples of technological processes for different types of products. Also, students will be given to individually develop technology process for concrete product described by drawing, in accordance with methodology described in the lectures. In particular, students will take course in CNC programming and will be trained for making CNC program for a particular type of processing.

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			
Project	Yes	30.00			
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Radaković, N.	Projektovanje postupaka rada (elektronska skripta u pripremi)	Fakultet tehničkih nauka, Novi Sad	2013
2,	Todić, V.	Projektovanje tehnoloških procesa	Fakultet tehničkih nauka, Novi Sad	2008
3,	Ćosić, I., Radaković, N., Maksimović, R.	Osnove radnih postupaka u industrijskim sistemima - Priručnik za određivanje vremena rada u procesima obrade i montaže	Fakultet tehničkih nauka, Novi Sad	1991

Table 5.2 Course specification

Course:		
Course id:	IM1030	**Integral Systems Support - Logistic**
Number of ECTS:	5	

Teachers:	Beker A. Ivan, Milisavljević M. Stevan
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

Students learn to identify the basic logistics functions in a company, as well as their tasks and ways of working.

2. Educational outcomes (acquired knowledge):

After passing the exam, students will be able to identify the logistics activities of the company, institution placement accuracy of individual logistics functions, evaluate the quality of any logistics functions and recommend measures to improve the operation of individual logistics functions.

3. Course content/structure:

Organization, strategy and planning, transportation and storage, handling, packaging, information systems, procurement and suppliers, customer service and product service, maintenance, cost and LCC, Reverse Logistics, Human Resources, Energy Supply, Supply Chain Management

4. Teaching methods:

Teaching is done through auditory lectures and is accompanied by slides and auditory exercises that further elaborate on solving specific problems. And lectures and exercises are accompanied by a large number of practical examples. In addition, it provides practice on applying different repair parts.

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	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Beker Ivan, Stanivuković Dragutin	LOGISTIKA – INTEGRALNA SISTEMSKA PODRŠKA (u pripremi)	Fakultet tehničkih nauka	2012
2,	Bloomberg D. at all	LOGISTICS	Prentice Hall, New Jersey, USA	2007
3,	Krajewski L.J., Ritzman, L.P.	OPERATIONS MANAGEMENT – STRATEGY AND ANALYSIS	Prentice Hall, New Jersey, USA	2011
4,	Vogt J.J., Pienaar W.J., Wit de P.W.C.	BUSINESS LOGISTICS MANAGEMENT – THEORY AND PRACTICE	Oxford University Press	2010

Table 5.2 Course specification

Course:		
Course id: II1009		**Automatic identification systems**
Number of ECTS: 5		

Teachers:	Ostojić M. Gordana, Stankovski V. Stevan, Jovanović M. Vukica
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 course teaches the students the basic elements of a system for automatic identification and design of systems aiming to improve work processes.

2. Educational outcomes (acquired knowledge):

Outcomes of the course are mastering the techniques and the choice of appropriate systems and / or devices that can be applied in a variety of manufacturing and service processes. Special emphasis is on the application of various technologies for automatic identification in a single system.

3. Course content/structure:

Introduction to systems for automatic identification. Technology for automatic identification of objects. Labeling and object recognition. Principles and types of barcode technology. Ways to use barcode technology. Principles of RFID technology. Methods of application of RFID technology. Principles of OCR technology. Principles of effective data management. Creating a business case for implementation of automatic identification. Prikupnjenih control data. Process management based on data collected from the work process. Study the possibilities and limitations for the application of automatic identification in a variety of manufacturing and service systems and different processes.

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,	Ostojić, G., Stankovski, S.	Sistemi i uređaji za praćenje proizvoda tokom životnog ciklusa	Fakultet tehničkih nauka	2012
2,	Ostojić, G., Jovanović, V., Stankovski, S., Lazarević, M.	RFID Product and Part Tracking for the Preventive Maintenance	ASME 2009, Purdue University, West Lafayette, Indiana, U.S.A.	2009
3,	Russell E. Adams	Sourcebook of automatic identification and data collection	Van Nostrand Reinhold	1997
4,	Klaus Finkenzeller	RFID Handbook: Fundamentals and Applications in Contactless Smart Cards and Identification	John Wiley & Sons	2003

Table 5.2 Course specification

Course:		
Course id:	II1010	**Control of technical systems**
Number of ECTS:	4	

Teachers:	Ostojić M. Gordana, Stankovski V. Stevan, Pekarić-Nađ M. Neda, Jovanović M. Vukica
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 goal of this course is to introduce students to the basic techniques and equipment used to control technical systems.

2. Educational outcomes (acquired knowledge):

The outcome of course the knowledge that students should possess in order to understand the ways and devices as means of control and regulation of the technical systems. Students who successfully learn the material object means to calculate the parameters of the mathematical model of the plant, to select the proper sensors, actuators and controllers, and to solve circuits containing them to analyze a simple programmable logic controllers.

3. Course content/structure:

1. Main principles of control; 2. Mathematical descriptions of control; 3. Sensors; 4. Actuators; 5. Regulators; 6. Programmable logic controllers; 7. Systems for monitoring and visualization; 8. Industrial networks; 9. Distributed and decentralized controllers; 10. Industrial robots; 11. Mechatronic systems; 12. Control systems implementation

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	Naučna knjiga	1996
2,	Groover P. Mikell	Automation, production System and Computer Integrated Manufacturing	Prentice Hall	2003

Table 5.2 Course specification

Course:		
Course id:	II1011	**Automation of work processes 1**
Number of ECTS:	6	

Teachers:	Šešlija D. Dragan, Stankovski V. Stevan, Jocanović T. Mitar, Dudić P. Slobodan
Course status:	Mandatory

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
4	0	2	0	2

Precondition courses	None

1. Educational goal:

The goal of course is getting knowledge about the basic components used in pneumatic, electro-pneumatic and hydraulic systems.

2. Educational outcomes (acquired knowledge):

The outcome of the subject is knowledge about basic components that are used in pneumatic, electro-pneumatic and hydraulic systems.

3. Course content/structure:

The basic components of technical systems: mechanical components, pneumatic components, hydraulic components, electrical components, mechatronic components. The basic component assemblies. Executive components of technical systems: Pneumatic cylinders and motors, hydraulic cylinders and motors, electric motors and linear units. Pneumatic, electric and hydraulic handling devices. Pneumatic, hydraulic and electric control valves, valves and regulators.

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,	Hasebrink, J. Kobler	UVOD U PNEUMATIKU	FTN Novi Sad	1989
2,	Savić, V.	OSNOVE ULJNE HIDRAULIKE	IKOS, Zenica	1991
3,	McPartland, J.F., McPartland, B.J.	HANDBOOK OF PRACTICAL ELECTRICAL DESIGN		1995
4,	Dragan Šešlija	Proizvodnja, priprema i distribucija vazduha pod pritiskom	IKOS, Novi Sad	2002

Table 5.2 Course specification

Course:		Assembly Technologies		
Course id:	II1012			
Number of ECTS:	5			
Teachers:		Anišić M. Zoran, Lazarević M. Milovan		
Course status:		Mandatory		

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

Precondition courses	None

1. Educational goal:

The aim of the course is to introduce students to technologies and systems for joining parts and components to be able to design assembly process plans and assembly systems for different products.

2. Educational outcomes (acquired knowledge):

After completing the course and passing the exam, the student is able to make the product structure, the necessary assembly operations, and defines an optimal sequence of their execution. He/she has to be able to accomplish the design and assembly process plans for for manual, robotic and automated assembly operations, and to conect individual workplaces/cells in a complex system. The student is also able to assess the cost and time of operations.

3. Course content/structure:

Basic parameters that affect the process of assembly. The influence of product structure on the assembly process. DFA methodology for assessing the suitability of the product for assembly. Structuring products. Analysis of the characteristics of products and production program. Selection of variants of the assembly process. Determination of the number and sequence of the intervention - the network diagram. The level of specialization. Determination of the time and cost of operations. Making technological maps for each operation. Assembly systems design for manually, automated and robotic assembly. The choice of standard elements. Design of non-standard elements (tools, fixtures, etc.). Design of complex technological systems for assembly. Selection of material handling and storage. Shaping the spatial structure of the assembly system.

4. Teaching methods:

Teaching is done in auditorily lectures, followed by slides and films related to the lesson. The exercises are performed in groups of three students who have the task of designing the assembly system and process for a given product. Practical exercises are carried out in the laboratory for assembly systems under real conditions.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			
Project	Yes	50.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ćosić, I., Anišić, Z., Lazarević, M.	Tehnološki sistemi u montaži	FTN	2012
2,	Ćosić, I., Anišić, Z.	Tehnologije montaže - priručnik za vežbe	FTN	2010
3,	Ćosić, I., Anišić, Z.	Tehnologije montaže - postupci i uređaji za spajanje	FTN	2011
4,	Zelenović, D., Ćosić, I.	Montažni sistemi	Nauka, Beograd	1990

Table 5.2 Course specification

Course:		
Course id:	II1013	**Material Handling Technologies**
Number of ECTS:	5	

Teachers:	Šešlija D. Dragan, Dudić P. Slobodan, Šormaz N. Dušan
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

The goal of the course is to obtain the basic knowledge of material handling technologies in the manufacturing and service systems. That knowledge allow students to independently perform engineering analysis of the requirements posed to the material handling systems. The aim of the course is to gain a degree in industrial engineering with the competence in the design of new and rehabilitation of existing material handling systems.

2. Educational outcomes (acquired knowledge):

Students will be able to analyze the existing material handling systems in the enterprise, defining requirements for material handling systems with the selection of appropriate equipment for them. B.Sc. in industrial engineering should be able to design material handling systems independently.

3. Course content/structure:

The definition and classification of material handling systems (MH). Material handling in the workplace. Transport. Storage. Stages of material flow. The structure of the system for materiall handling. The quality of the functioning of the MH Effect of transportation, transportion work, the time effect of MH. Load effect of MH. Transportation time. The transportation cycle. MH costs. Subsystems for the MH system. Selection of means for MH. Automation systems for MH.

4. Teaching methods:

Teaching includes lectures with examples of material handling systems in the workplace as well as in transport and storage functions in a manufacturing and service systems. On the exercises students are encouraged to work in groups. Exercises are computer supported.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	Yes	5.00	Coloquium exam	No	20.00
Lecture attendance	Yes	5.00	Theoretical part of the exam	Yes	50.00
Project	Yes	40.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Šešlija D, Dudić S	Tehnologije rukovanja materijalom (u pripremi)	FTN Novi Sad	2007
2,	D. R. Sule	MANUFACTURING FACILITIES Location, Planning and Design	PWS PUBLISHING COMPANY	1994

Table 5.2 Course specification

Course:			
Course id:	Il1014	**Product measurement and control techniques**
Number of ECTS:	5		

Teachers:	Kamberović L. Bato, Radlovački S. Vladan
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

The course Product Measurement and Control Technologies includes the study of methods of acquiring, processing and presentation of acquired data, measurement and control technologies, analysis of elements defining the procedures of measurement and control and selecting the optimal variant of the procedure using valid criteria.

2. Educational outcomes (acquired knowledge):

Processes of input, process and output control are necessary for proving the technical quality of products or services supplied / provided to the market. Basic principles and elements of mathematical statistics applied in the field of metrology, necessary in order to gain a general insight into the performance of this vital part of work process, as well as basic information on some commonly used gages is presented to the student. Students are provided knowledge about application of international organisational standards applied to laboratories for testing and calibration.

3. Course content/structure:

• Data Types • Methods of acquiring the data • processing and representing the selected data • Measuring and measuring instruments • Understand the technologies of measurement and testing • Calibration laboratories • Analysis of the elements defining the procedures of measurement and control • The methodology of selecting the optimal measuring and control procedure • Development of measurement procedures and controls

4. Teaching methods:

• Lectures. Numerical-computational, laboratory, graphical and computer exercises • Exam is numerical and theoretical. Numerical exam is eliminatory. • Evaluation of the exam is based on the success of laboratory and numerical / mathematical exercises, home work, mandatory tasks and numerical and theoretical part of the exam.

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	Practical part of the exam - tasks	Yes	40.00
Lecture attendance	Yes	5.00			

Literature
Ord.	Author	Title	Publisher	Year
1,	B. Kamberović, V. Radlovački	Tehnologije merenja i kontrole proizvoda	elektronska skripta	2012
2,	Grupa autora	Measurement system analysis, Refernce manual	Daimler-Crysler Corporation, Ford, General Motors	2002
3,	Grupa autora	Metode i tehnike unapređenja procesa rada	FTN i IIS-ITC Novi Sad	2012
4,	Hitoshi, K	Statistical methods for quality improvement	3A Corporation, Tokyo	1995

Table 5.2 Course specification

Course:		
Course id:	Il1015	**Programmable Logic Controllers (PLC)**
Number of ECTS:	4	
Teachers:		Stankovski V. Stevan, Ostojić M. Gordana, Jovanović M. Vukica, Ivandić I. Željko
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 of the course is that the students master the programming and implementation of programmable logic controllers (PLC).

2. Educational outcomes (acquired knowledge):

The outcome of the subject is knowledge about programming languages for programming programmable logic controllers (PLC), and knowledge for the application of (PLC).

3. Course content/structure:

Introduction to PLC. PLC structure. PLC Programming: Sequential functional diagram, structured text, statement list, ladder diagrams, functional block diagram. Fuzzy controllers. Connecting PLCs. Creating projects with PLCs. Applications of PLCs.

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,	Stenesrosn Jon	Fundamentals of Programmable Logic Controllers, Sensors, and Communications	Prentice Hall	2005
2,	Stankovski, S., Ostojić, G., Raković, M., Tarjan, L., Šenk, I., Nikolić, M.	Zbirka rešenih zadataka iz: Programiranja i primene programabilnih logičkih kontrolera	FTN	2009

Table 5.2 Course specification

Course:		
Course id:	II1016	Reliability of technical systems and Maintenance
Number of ECTS:	6	

Teachers:	Beker A. Ivan, Šević D. Dragoljub, Milisavljević M. Stevan

Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

The objective of the first part of the course is to train students in the methods of determining the reliability and use of the data on the reliability of the elements / systems. The aim of the second part of the course is to teach students the basics of maintenance (concepts, technologies, diagnostics ...), so they are ready for the attending the course that further study of each of these elements

2. Educational outcomes (acquired knowledge):

After passing the exam, students will be able to calculate the reliability of the elements on the basis of collected data, calculation of system reliability based on defined / specific elements reliability of the system and block diagram are defined in terms of the reliability of the observed system. Students will also gain a general knowledge of the construction and use of fault tree analysis and design elements on the basis of reliability. In addition, students will be able to participate in defining the procedures of maintenance interventions, making maintenance plans, defining appropriate technology for renewal of spare parts, maintenance costs, and defining the basic tenet of maintenance success.

3. Course content/structure:

Structure for dependability: The mathematical basis of reliability, reliability elements, system reliability, the reliability allocation, design based on reliability, fault tree analysis. structure for maintenance: history of maintenance, condition based maintenance, maintenance policy, position and organization of maintenance, the IIS approach for design and maintenance management, maintenance technology, technical diagnostics, maintenance models, maintenance costs, success of maintenance.

4. Teaching methods:

The program consists of two parts. The first part covers the theoretical background, while the second part includes auditory and computational exercises where students apply the mathematical apparatus in order to determine the reliability of the observed elements / systems and, in the second part of the examination, to determine the optimal period of preventive maintenance interventions. During lectures and during exercise a laptop and projector beam are used, because of the need for more vivid and more accurate representation of the teaching units key elements. Whenever it is possible, prepared data and the diagrams will be used, with use of the simulation change of the certain parameters of theoretical distributions and graphical representation of these changes.

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			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Prof. dr Gradimir Ivanović; Prof. dr Dragutin Stanivuković; Prof. dr Ivan Beker	Pouzdanost tehničkih sistema	Fakultet tehničkih nauka, Novi Sad; Mašinski fakultet, Beograd; Vojna akademija, Beograd	2010
2,	Kececioglu Dimitri	RELIABILITY ENGINEERING HANDBOOK	Prentice-Hall Inc	2002
3,	Prof. dr Dragutin Stanivuković; mr Slobodan Kecojević	Održavanje - IIS prilaz projektovanju i upravljanju	Fakultet tehničkih nauka, Novi Sad	1995
4,	Prof. dr Ivan Beker; Doc. dr Dragoljub Šević	Održavanje - IIS metodologija	Fakultet tehničkih nauka, Novi Sad	2013

Table 5.2 Course specification

Course:		
Course id:	II1017	**Production System Design**
Number of ECTS:	6	
Teachers:		Ćosić P. Ilija, Lazarević M. Milovan, Lalić P. Bojan
Course status:		Mandatory

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

Precondition courses	None

1. Educational goal:

The goal of course is to prepare students for the development and design of production systems, defining their characteristics, design manufacturing processes that take place in them. Students will acquire the tools for the design of the system structure and work processes and gain the foundation for the design of energy systems. During the program, students will acquire the knowledge necessary to determine the spatial distribution of the elements of the system as a way of selecting the macro and micro sites.

2. Educational outcomes (acquired knowledge):

Students will be prepared to design and develop a manufacturing system, will be able to recognize and understand the importance of production and products as the core purpose of the production system and the basic definitions of energy support systems functioning. Through lectures, exercises and practical work, students will gain knowledge of the company as a whole integrated production and other functions of the system and the flows of materials, energy and information.

3. Course content/structure:

- Information technologies and information systems – Methods and techniques of industrial information development – Modern development concepts of integrated information systems – Information system structure – Information subsystem development according to model function/process – Integration of information subsystems – Modern solutions of information systems development.

4. Teaching methods:

Oral presentation, written hand outs for practical classes, laboratory work and visits to modern business systems.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Lecture attendance	Yes	5.00			
Project	Yes	50.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Zelenović, D.	Projektovanje proizvodnih sistema	FTN Novi Sad	2003
2,	Zelenović, D., Ćosić, I., Maksimović, R.	Projektovanje proizvodnih sistema - priručnik za vežbe	FTN Novi Sad	2003
3,	Zelenović, D., Ćosić, I., Maksimović, R., Maksimović, A.	Priručnik za projektovanje proizvodnih sistema - pojedinačni prilaz	FTN Novi Sad	2003

Table 5.2 Course specification

Course:		
Course id:	II1018	**Design of Information Systems**
Number of ECTS:	6	

Teachers:	Krsmanović B. Cvijan, Stefanović M. Darko
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

The subject is studying with goal of acquiring of knowledge about the place and the role which a information system has in procedures of real system management. In the same time, studying of the subject giving knowledge about methodological ways in analysis and design of information systems and major segments in their structures. Listeners of the subject are qualifying for competent participation in design, re-engineering and documenting of information systems, their evaluation, exploitation and maintenance.

2. Educational outcomes (acquired knowledge):

During of subject course, students are acquiring relevant knowledge in the field of information systems design and re-engineering, they are working on system analysis and modeling tasks and, in that context, they are qualifying for applications of more methods, means and tools which are standardized and world-wide applied.

3. Course content/structure:

Basic concepts and explanations. Design and re-engineering of information systems. Information system life cycle. Strategic planning of development and implementation of information systems. System analysis - methods, techniques and tools. Methodological approaches in development and implementation projects. Modeling of IS components. Methods and means for data base modeling. Modeling of software solutions. Information system platforms. Human resources for development, exploitation and maintenance of IS. System testing and implementation. Maintenance approaches and methods. Documenting of IS.

4. Teaching methods:

Teaching process performs in form of lectures and teaching exercises which are computer supported. During of teaching exercises, students are accomplishing mandatory seminar articles. Possibility of permanent and open consultations is available.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	Yes	5.00	Oral part of the exam	Yes	50.00
Lecture attendance	Yes	5.00			
Term paper	Yes	40.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Krsmanović, C.	Projektovanje informacionih sistema, udžbenik u pripremi	Fakultet tehničkih nauka	2013
2,	Booch, G.	Object oriented Analysis and Design	Addison - Wesley	1994
3,	Pavlić, M.	Sistem analiza i modeliranje podataka - Projektovanje informacionih sistema	Naučna knjiga, Beograd	1990
4,	Pressman, R. S.	Software Engineering: A Practitioner's Approach	McGraw-Hill	1987
5,	Marakas, G. M.	System Analysis and Design	Prentice-Hall	2001

Table 5.2 Course specification

Course:		
Course id:	IM1031	**Enterprise's organization**
Number of ECTS:	5	

Teachers:	Maksimović M. Rado, Borocki V. Jelena, Duđak D. Ljubica
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

Course is studied in order to gain general knowledge and specific skills for understanding and development and organization of the company structure and the procedures for the application of knowledge and skills for the planning, organization, management and control of the functions of the company and the company as a whole.

2. Educational outcomes (acquired knowledge):

Students gain general knowledge and specific skills to become competent in the analysis of process in the company and its functional structure, analysis of the important factors in companies and their mutual interdependence, generating alternative solutions, and selecting the best organizational structure and solve specific organizational problems at the time of operation in the enterprise environment - the market.

3. Course content/structure:

The development of enterprise organization; position of man in the process of working - man, work and technology mission, objectives and policies of the company; The company processes and their interconnections, data and database in company; basic flows in the company, organizational forms and types of organizational structures, design of effective organizational structure of the company, organization, and technology changes in the environment.

4. Teaching methods:

Teaching include: Lectures, practical analysis of specific examples of organizational structures of companies; auditory exercises with examples in the form of elaborate organizational methods and techniques, and written paper which is an independent student work - a case study for a company from the perspective on how to organise itself.

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
Term paper	Yes	20.00	Coloquium exam	No	20.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Zelenović, D.	Tehnologija organizacije industrijskih sistema - preduzeća	Univerzitet u Novom Sadu, Fakultet tehničkih nauka	2012
2,	Maksimović, R.	Složenost i fleksibilnost struktura industrijskih sistema	Fakultet tehničkih naukau Novom Sadu	2003

Table 5.2 Course specification

Course:		
Course id:	IM1020	**Quality Management System**
Number of ECTS:	6	

Teachers:	Kamberović L. Bato, Radlovački S. Vladan

Course status:	Mandatory

Number of active teaching classes (weekly)

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

Precondition courses	None

1. Educational goal:

Quality Management System is the subject studied for obtaining the basic knowledge necessary for quality management. Subject include all the activities in the processes of quality planning, quality control, quality assurance and quality improvement.

2. Educational outcomes (acquired knowledge):

The student, as a modern manager in the future, will be introduced to the basic concepts and principles of product quality management and working processes. In the context of the today`s market needs, this knowledge is necessary for each manager in order to have successful communication (internal and external), successful resources management under his jurisdiction and it is the necessary foundation for the development of personal carrier and survival and development of organization in which they are going to work.

3. Course content/structure:

Place and role of quality system in the organization • Requirements of the modern market - quality of the system, process and products • Quality control • Quality assurance • Requirements of quality by the loop of quality and the way of their satisfaction • Analysis of stability and accuracy of the processes • SPC methods • Quality cost • Quality improvement and human resources • Models of integrated quality system

4. Teaching methods:

Lectures; auditorial, numerical/computer and laboratory exercises. Consultations; exam has numerical and theoretical part. Numerical part of the exam is eliminatory. Final estimate is based on the success in exercises, finished home-work, numerical and theoretical part of the exam.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	70.00
Homework	Yes	5.00			
Homework	Yes	5.00			
Lecture attendance	Yes	5.00			
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Grupa autora	Sistem menadžmenta kvalitetom	FTN, IIS-ITC Novi Sad	2012
2,	Grupa autora	Metode i tehnike unapređenja procesa rada	FTN Institut za industrijske sisteme i IIS - ITC, Novi Sad	2012
3,	Kamberović Bato	Model integralnog sistema za upravljanje kvalitetom	Fakultet tehničkih nauka i IIS-ITC, Novi Sad	1998
4,	Zelenović Dragutin	INTEGRALNI SISTEM OBEZBEĐENJa KVALITETA U PREDUZEĆU	IIS Istraživački i tehnološki centar, Novi Sad	1997
5,	Oakland, S. J.	TOTAL QUALITY MANAGEMENT	Butterworth - Heinemann Ltd, UK	1995
6,	V. Radlovački	Opšti procesni model i ocenjivanje efektivnosti sistema menadžmenta kvalitetom u skladu sa zahtevima serije standarda ISO 9000	FTN Novi Sad	2011

Table 5.2 Course specification

Course:			
Course id:	II1019	**Project Management**	
Number of ECTS:	5		
Teachers:		Morača D. Slobodan, Radaković J. Nikola, Lalić P. Bojan	
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:

Objective of the couse is to develop ability to work in a project team, to conceptualize, to design, and to manage delivery of the different engineering projects according to recognized methodology. Most of the industrial engineering tasks are project based such as product development, product and process improvement, decreasing costs, quality improvement etc. so it is of great importance to industrial engineers to have capacity to participate in project team.

2. Educational outcomes (acquired knowledge):

Students who complete this course successfully will be able to design, launch and manage projects according to widely recognized methodology. They will be able to solve tasks such as product development, product and process improvement, decreasing costs ets. by using project methodology.

3. Course content/structure:

Fundamentals of Project Management. Project Lifecycle and Organization. Project characteristics. Product and Project Lifecycle. Project Phases. Project Management Processes. Project Interaction. Project management, initiating, planning, execution, control and closing. Knowledge areas. Project Integration Management, Project Scope Management, Project time Management, Project Costs Management, Project Quality Management, Project HR Management, Project Communication Management, Project Risk Management, Project Procurement Management. Project Management in Industry.

4. Teaching methods:

Lectures are auditory with theoretical treatment of the required number of case studies. Practice include auditory introduction to issues in focus, interactive processing of case studies in the MS Project Environment.

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			
Term paper	Yes	20.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Grupa autora	Vodič kroz korpus znanja za upravljanje projektima, četvrto izdanje, prevod na srpski jezik	Fakultet tehničkih nauka, Novi Sad	2010
2,	Harvey Maylor	Project Management	Pearson	2010

Table 5.2 Course specification

Course:				
Course id:	II1021		**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:

Gaining direct knowledge of the functioning and organization of enterprises and institutions engaged in business within the profession for which the student qualifies and the potential application of previously acquired knowledge into practice.

2. Educational outcomes (acquired knowledge):

Training students to apply previously acquired theoretical and technical knowledge to solve specific practical engineering and management problems within the selected companies or Institutions. Introduction to the activities of selected companies or institutions, ways of doing business, and the management of the place and role of engineers in the management of their organizational structures.

3. Course content/structure:

Formed separately for each student, in consultation with management companies or institutions which carry out professional practice and in accordance with the needs of the profession for which the student qualifies.

4. Teaching methods:

Practical work in a company or institution, consultation and writing daily professional practice in which a student describes the activities and tasks completed during the internship.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Oral part of the exam	Yes	50.00
Literature					
Ord.	Author		Title	Publisher	Year

Table 5.2 Course specification

Course:		
Course id:	II1022	Human resources in the process of work
Number of ECTS:	4	

Teacher:	Duđak D. Ljubica
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 course teaches students to (1) detect changes in the external business environment that affect the modern corporation, (2) detect shifting from traditional, resting on natural resources, to the modern, knowledge-based, organizations, (3) to people or human resources, identified as a factor that will ensure synergy of the organization, (4) before the strategic importance of human resources for their innovation and creativity in creating a sustainable competitive advantage, and (4) notice that employees are motivated, dedicated and loyal work only if the organization a necessary link between achieving organizational and individual goals employees. The goal of this course is to, through organizational understanding of the role of man in the modern enterprise, operationalize and engineering knowledge to the students complete and integrated component of strategic thinking about the role of employees in the business, engineers need to be located in any position in the organization.

2. Educational outcomes (acquired knowledge):

Students who live audience of the course and passes the exam will (1) be trained to recognize employees as the most valuable resource of modern enterprises, which is necessary to set the strategic level in the organization, (2) observe the constant need (and / or develop it) for employees to learn and thus improve their individual performance and engineering knowledge, and thus strengthen the performance of the organization, (3) be able to, either individually or as part of a team, working to increase their creative potential of their employees and, in the process of developing and designing new products and / or services, (4) be able to take responsibility for the results of their work and their careers, and (5) be able to think and operationally implemented a number of activities in the organization related to learning and training, teamwork, communication, creative problem solving , motivation of employees, the introduction of change, conflict resolution and ethical issues.

3. Course content/structure:

Global processes in the environment (the imperative of change and globalization, consideration of market, technological, demographic and other external factors and internal factors of the business environment); Changes in employment; Place and role of man in the modern business environment; Current processes in management and crisis traditional management; Affirmation and the basic concepts of modern strategic management; Management of human resources in response to changes in the business; Organization functions human resource management in the modern enterprise; Practical aspects of human resource management; Organization development and individual development through learning processes; Principles of teamwork; Conflict resolution in organization; Methods and techniques of creative problem solving; Ethics and responsibility; Motivation of employees; Communication in the organization.

4. Teaching methods:

Classes are held complementing the modern theoretical concepts the lecture and work on exercises, in order to provide more comprehensive and realistic consideration of the role of man in the work process, and human resources in business organizations. Teaching is conducted through lectures and auditory exercises.

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ikač, N.	Menadžment ljudskih resursa	Fakultet tehničkih nauka, Novi Sad	2006
2,	Cascio, W.	Managing Human Resources: Productivity, Quality of Work Life, Profits	McGraw Hill Irwin	2006
3,	Mullins, L.	Management & Organisational Behaviour, 9th Ed.	Pearson, Harlow, England	2010

Table 5.2 Course specification

Course:		Packaging technology		
Course id:	II1023			
Number of ECTS:	4			
Teacher:		Dudić P. Slobodan		
Course status:		Elective		

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

Precondition courses	None

1. Educational goal:

Objective of this course is to master the basic knowledge of packaging technologies that enables students to better understand the importance and the process of packing problems and their training for proper application of these technologies in the product package. The aim is to graduate courses industrial engineer acquires competence in designing an effective process of product packaging as an important process in the production system.

2. Educational outcomes (acquired knowledge):

Students will be able to understand the importance and process of packaging issues and the application of various technologies in the process of packaging the product packaging. B.Sc. in industrial engineering competencies gained in designing an effective process of product packaging as an important base for the design of the entire production system.

3. Course content/structure:

The importance of product packaging, case packing, packaging, packaging design and printing of packaging methods and packaging techniques, machines and systems for packing, packing systems, process control and quality packaging, standardization in the process of packing, Legislation in packaging, Packaging and protection of the environment, economics packaging, packaging design process.

4. Teaching methods:

Classes include lectures on the subject in which the students provide a theoretical basis of the process of product packaging. All lectures are podkrepljena practical examples related to packaging technology that help in better understanding of the topic units. In the exercises to encourage work in groups, analyze systems for packaging various types of products and work practically oriented tasks in the field of design the packing process. The entire exercise is carried out with the help of computers.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Coloquium exam	Yes	20.00
Lecture attendance	Yes	5.00	Theoretical part of the exam	Yes	50.00
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	I.Vujković, K. Galić, M. Vereš	Ambalaža za pakiranje namirnica	Tectus Zagreb	2007
2,	Joseph F. Hanlon, Robert J. Kelsey, Hallie E. Forcinio	Handbook of Package Engineering-third edition	CRC Press USA	1998
3,	Walter Soroka, CPP	Fundamentals of Packaging Technology-4th EDITION	Institute of Packaging Professionals USA	2009
4,	Kit L. Yam	The Wiley Encyclopedia of Packaging Technology	Wiley USA	2009

Table 5.2 Course specification

Course:		Algorithms and Data Structures			
Course id:	II1024				
Number of ECTS:	4				
Teachers:		Ćulibrk R. Dubravko, Mandić M. Vladimir			
Course status:		Elective			

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

Precondition courses	None

1. Educational goal:

The goal of the course is to introduce the student to the basic algorithms used in computer programming, ways in which their correctness and performance an be analyzed from a theoretical standpoint, as well as the basic data structures used in the development of computer programs.

2. Educational outcomes (acquired knowledge):

Upon successful completion of the course the students will have the knowledge and skills that will enable them to implement contemporary computer programs. They will be able to theoretically verify the correctness of an algorithm and assess its computational complexity. They will also gain practical skills in Java programming.

3. Course content/structure:

The course will cover the following areas: basic concepts of computer algorithms and data structures, basic sorting algorithms, divide-and-conquer approach to algorithm design, iterative algorithms, basic data structures (arrays, lists, binary trees), analysis of algorithm correctness, complexity analysis and some non-deterministic (evolutionary) algorithms. The theoretical instruction will be accompanied by practical training in implementation of basic algorithms and data structures in Java.

4. Teaching methods:

Lectures and laboratory exercises, test and exam project. The laboratory exercises are aimed at developing skills that allow the students to implement basic algorithms and data structures using the Java programming language. The level of adoption o theoretical knowledge will be assessed through tests and the exam project will require students to independently implement a fairly complex algorithm

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Complex exercises	Yes	20.00	Oral part of the exam	Yes	30.00
Project	Yes	50.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Dejan Živković	Osnove Java programiranja	Univerzitet Singidunum	2009
2,	Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Stein	Introduction to Algorithms	Massachusetts Institute of Technology	2009
3,	Andrew S. Tanenbaum	Arhitektura i organizacija računara	Mikroknjiga	2005

Table 5.2 Course specification

Course:		Production planning and control
Course id:	IM1101	
Number of ECTS:	6	

Teachers:	Tešić M. Zdravko, Mitrović R. Vojin
Course status:	Mandatory

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

Precondition courses	None

1. Educational goal:

The goal of course is to master the basic knowledge in the field of production planning and control processes in product and service companies and the acquisition of competencies for the implementation of modern systems for planning, directing and controlling the flow of work processes in real companies, as well as integration with other enterprise systems.

2. Educational outcomes (acquired knowledge):

Students will be able to: understand the structure of work processes and their interconnections, and other functions related enterprises; modeling system for managing work processes; apply their theoretical knowledge and experience from a number of practical examples processed at solving the problems of planning and managing work processes.

3. Course content/structure:

Production management needs. The principles of process management. Systems for production management. PBC approach. MRP approach. Just-in-Time - Kanban approach. IIS approach in the management of work processes. The modules of the system for managing work processes. Information systems for the management of work processes. Basics of ERP systems. SAP PP - planning and execution of production. IIS application software for managing work processes. The use of an SAP PP in the chosen production system. Case Studies - IIS application software implementation of the selected production system.

4. Teaching methods:

To achieve the set goals of education in the learning process using a combination of lectures, laboratory exercises, and auditory and case studies supported by installed applications (IIS - software for managing work processes, SAP PP applications for planning and managing production.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	50.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Zelenović, D.	Upravljanje proizvodnim sistemima	Fakultet tehničkih nauka u Novom Sadu	2004
2,	Stefan Weidner	Introduction to SAP ERP	SAP Uni.Al.	2010
3,	Laudon, K., Laudon, J.	Essentials of management Information Systems	Prentice Hall	2011
4,	Schroeder, R.G.	Operations Management	McGraw-Hill	1993
5,	Wollmann, E.T.	Manufacturing Planning and Control Systems	McGraw-Hill	2005

Table 5.2 Course specification

Course:		Design, Verification and Analysis of the Environmental Management System
Course id:	II1025	
Number of ECTS:	4	

Teacher:	Šević D. Dragoljub
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

1. Educational goal:

The goal of this course is to acquire advanced knowledge about the concept of the implementation, development and the way of environmental management system in enterprises on the standpoint of the international standard ISO 14001:2004 is based on a process approach. The goal of the course is to raise the awareness of students about the importance of environmental protection for the overall development of human society.

2. Educational outcomes (acquired knowledge):

Students who attend this course and pass the exam are able to: (1) fully understand the requirements of international standard ISO 14001:2004, (2) acquire the knowledge and skills to evaluate an environmental aspects of location and activities of the company, (3) acquire the knowledge and skills in the design and planning of environmental management, (4) acquire the knowledge and skills to evaluate environmental aspects, (5) acquire the knowledge and skills to evaluate environmental performance, (6) acquire the knowledge and skills for the evaluation and interpretation life cycle, (7) gain the knowledge and skills defines how emergency response and (8) acquire the knowledge and skills to participate in the establishment of a system of environmental management according to ISO 14001:2004 in any enterprise.

3. Course content/structure:

Course covers the development of the concept of sustainable development, global environmental problems, causes and consequences of environmental degradation, advanced principles of strategy and policy for sustainable development, environmental risk management principles. Course covers knowledge in the field of standardization of environmental management, evaluation methods of environmental impact, etc. The content of the course is devoted to international conventions, European and national legislation in the field of environmental protection.

4. Teaching methods:

Classes include lectures with analysis of the examples, and the choice of different strategies and assessing these strategies to protect the environment. On exercises, students realize essay that is presented to other students in the group after which, with the help of an assistant, realizes debate. In the exercises group work is encouraged.

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,	Ken Whitelaw	ISO 14001 Environmental Systems Handbook	Elsiver Butterworth-Heinemann	2012
2,	Grupa autora	Sistem kvaliteta ISO 9001:2008	FTN, Novi Sad i IIS - Istraživački i tehnološki centar	2010

Table 5.2 Course specification

Course:		Services Engineering		
Course id:	IM1103			
Number of ECTS:	5			
Teacher:		Simeunović V. Nenad		
Course status:		Mandatory		

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

Precondition courses	None

1. Educational goal:

The goal of course is to master the knowledge and skills necessary for the design of services and service process, including any specific properties of service products. The course studies the relationship between the service concept, service process and services systems and their importance for the effective and efficient production of services matched to user requirements.

2. Educational outcomes (acquired knowledge):

Students will be able to design and develop service and services systems, using tools and techniques of services engineering, and to adequately identify the resources and technology to create better service performance. This course gives competencies for managing and improving a system in which the dominant product is service .

3. Course content/structure:

Introduction to services engineering, nature and characteristics of services and identify different types of services and service processes, service transaction analysis; services concept, design and development services, service process management; engineering tool for service processes management, quality of service and service process, service process control , repositioning of service processes, participants in the service process, customer relation management, system utility, service resources, engineering tools for conceptual design of utility systems, technology management, capacity management

4. Teaching methods:

Teaching is conducted through lectures and auditory exercises, the theoretical treatment of the required number of case studies. Exercises include auditory introduce students observed in the problem, a case study of interactive processing. Students work in small groups specific terms of reference which aims to use the knowledge acquired. Provides for the public defense work. The final exam is conducted in the form of a written test.

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,	Ćosić, I., Simeunović, N.	Inženjerstvo usluga	Fakultet tehničkih nauka u Novom Sadu	2012
2,	Salvendy, G., Karwowski, W.	Introduction to Service Engineering	Wiley	2010
3,	Chang, C.M.	Service Systems Management and Engineering: Creating Strategic Differentiation and Operational Excellence	Wiley	2010
4,	Haksever, C., Render, B., Russell, S.R., Murdick, G.R.	Service management and operations	Prentice Hall	2000

Table 5.2 Course specification

Course:			
Course id:	II1035	**Industrial robotics**	
Number of ECTS:	5		
Teacher:		Borovac A. Branislav	
Course status:		Elective	

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

Precondition courses	None

1. Educational goal:

The course objective is for students to master the fundamentals of industrial robotics

2. Educational outcomes (acquired knowledge):

The course outcome is the knowledge in fundamentals of industrial robotics.

3. Course content/structure:

Basic concepts and definitions, homogenous transformations, kinematics of robots (direct and inverse problems), Denavit-Hartenberg notation, Jacobian, the synthesis of trajectory, dynamics of robots, robot control, robot programming, sensors in robotics and their application, application of robots in industrial problems.

4. Teaching methods:

The course is held through lectures and practice. During practice students are obliged to pass one colloquium and to do and pass 3 computer exercises. Colloquium includes: homogenous transformations, direct and inverse kinematic problem, direct and inverse dynamic problem, planning the trajectory, industrial robot control. Computer practice is in MATLAB. The first exercise includes homogenous transformations, the second DH notation, the third calculation of trajectory (internal coordinates). Each exercise required defense. In order for student to gain the right to take the final examination, he/she has to take the colloquium and successfully do and defend all exercises. Final examination is in the form of the test and is related to theoretical questions.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise defence	Yes	30.00	Theoretical part of the exam	Yes	40.00
			Practical part of the exam - tasks	Yes	30.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	M. Vukobratović	Uvod u robotiku	Indtitut Mihajlo Pupin, Beograd	1986
2,	M. Vukobratović	primenjena dinamika manipulacionih robota	Tehnička knjiga, Beograd, II dopunjeno i izmenjeno izdanje	1990
3,	M. Spong, S. Hutchinson, M. Vidyasagar	Robot modelling and control	John Viley& Sons.	1990
4,	L. Sciavicco, B. Siciliano	Modelling and control of robot manipulators	Springer Verlag	2000
5,	B. Borovac, G. }or]evi', M. Ra[i', M. Rakovi'	Industrijska robotika		2012

Table 5.2 Course specification

Course:		
Course id:	II1037	**Disassembly and recycling technologies**
Number of ECTS:	6	

Teachers:	Lazarević M. Milovan, Vukelić B. Đorđe
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

The goal of course is to master skills in the field of of dismantle technology, as well as in the field of recycling technologies and processes that enable the student to perform the procedure independently in practice. The aim of the course is that industrial engineering gain competence to apply advanced tools for disassembling of products and to design system for recycling.

2. Educational outcomes (acquired knowledge):

Students will be able to select the optimal strategy for the disassembly of products at the end of life, that is the application of various methods of processing waste materials into products, materials and ingredients for the original or other purposes. Students gain competence in defining strategies of product management at the end of life cycle in the various processes of industrial engineering.

3. Course content/structure:

Introduction to the disassembly and recycling technologies. Environmental aspects of sustainable development.Strategies for the products at the end of life. Design for Excellence. The structure of products, materials and suitability for dismantling and recycling.Structuring of products.Analysis of the characteristics of the product at the end of life cycle.Defining the sequence of operations disassembly of products - network diagram.Determining the depth of disassembly. Select an optimum disassembly process. The level of specialization.Disassembly technology.Equipment and tools for disassembly. Design and production process for the disassembly of the system. The selection of materials, depending on the chosen strategy.Standard elements of the disassembly.Designing for disassembly of non-standard elements.Design of complex technological systems for disassembly.Selection of material handling and storage.Shaping the spatial structure of the system for disassembly.Handling of hazardous and harmful substances.Automatisation of dismantle operations. Introduction to recycling technologies.Legislation in the area of recycling. Mechanical recycling processes. Chemical recycling processes. Biological recycling processes. Paperrecycling.Glass recycling.Tires recycling.Plastic recycling.Recycling of metal waste.Vehicles recycling.Recycling of batteries and accumulators.Recycling of household appliances.Recycling an electric and electronic waste.Wood recycling.Recycling of medical waste.

4. Teaching methods:

Lessons includes lectures and computer and laboratory exercises. The lectures handle the theoretical aspects of the subject areas, accompanied by typical examples. Exercises are practice-oriented and geared toward mastery of specialized equipment and software tools. The exercises are performed in the laboratory and with the usage of computers.

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ćosić, I., Lazarević, M.	Tehnologije demontaže	Fakultet tehničkih nauka, Novi Sad	2012
2,	Hodolič, J., Vukelić, Đ., Hadžistević, M., Budak, I. i dr.	Reciklaža i reciklažne tehnologije	Fakultet tehničkih nauka, Novi Sad	2011
3,	McGovern, M.S, Gupta, M.S.	The Disassembly Line: Balancing and Modeling	McGraw-Hill Prof Med/Tech	2010
4,	Lambert, A.J.D., Gupta, M.S.	Disassembly Modeling for Assembly, Maintenance, Reuse and Recycling	Taylor & Francis	2004

Table 5.2 Course specification

Course:		
Course id:	IM1106	**Business Process Simulation**
Number of ECTS:	5	

Teachers:	Buchmeister S. Borut, Lalić P. Bojan
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

The objective of the course is to acquire the basic knowledge in the field of discrete simulation techniques (modeling, simulation and analysis) which allow students to perform the analysis of various solutions in the process design.

2. Educational outcomes (acquired knowledge):

Students will be able to model, simulate and analyze the processes and design improvements that achieve the optimum parameters of the process. B.Sc. in Industrial Engineering and Management acquires competence for advanced level in production system design with the use of simulation as an analytical tool.

3. Course content/structure:

Simulation as a method for improving the business processes. Simulation application. Process modeling. Research productivity of production processes. Advantages and disadvantages of simulation techniques. Basic concepts. Queuing theory. Quantitative analysis of discrete systems in the field of production, transport, storage and services. Specifics of the service simulation system. Process simulation planning. Input data collecting. Model shaping. Model testing. Examples of the manual and computer simulation.

4. Teaching methods:

Lectures, computer and laboratory practice will be performed in the specific lab with a various solutions of discrete event simulation software.

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	Jerry Banks	Handbook of Simulation: Principles, Methodology, Advances, Aplications and Practice		2000
2,	Lee J. Krajewski, Larry P. Ritzman	Operations Management (Strategy and analysis)	Pearson Education	2002
3,	Vlatko Čerić	Simulacijsko Modeliranje	Školska knjiga –Zagreb	1993
4,	Averill M. Law, W.David Kelton	Simulation Modeling and Analysis	McGraw Hill	2000
5,	R.D.Hurrion	Simulation	Springer-Verlag	1986
6,	W. David Kelton, R. p. Sadowski, D. A. Sadowski	Simulation with Arena	McGraw Hill	2002
7,	Stewart Robinson	Simulation (The practice of Model Development and Use)	Wiley	2004
8,	Andrew F. Seila, Vlatko Ceric, Pandu Tadikamalla	Applied Simulation Modeling	Thomson Learning Inc.	2003
9,	Lawrence M. Leemis, Stephen K. Park	Discrete-Event Simulation (A First Course)	Pearson Education Inc.	2006
10,	Larry P. Ritzman, Lee J. Krajewski	Foundations of Operations Management	Pearson Education Inc.	2003
11,	Jerry Banks, John Carson, Barry L. N., David, N.	Discrete-Event System Simulation, Fourth Edition (Paperback)	Prentice Hall	2004

Table 5.2 Course specification

Course:		
Course id:	II1038	Automation of work processes 2
Number of ECTS:	6	

Teachers:	Stankovski V. Stevan, Šešlija D. Dragan, Jocanović T. Mitar, Dudić P. Slobodan
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:

The aim of the course is that students gain knowledge in control techniques that are used in pneumatic, electro-pneumatic, electro-hydraulic and hydraulic systems.

2. Educational outcomes (acquired knowledge):

The outcome of the subject is knowledge in control techniques that are used in pneumatic, electro-pneumatic, electro-hydraulic and hydraulic systems.

3. Course content/structure:

The choice of automation techniques. Pneumatic control systems. Hydraulic control systems. Electro-pneumatic control systems. Electro-hydraulic control systems.

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,	Vladimir Savić	ULJNA HIDRAULIKA 2	IKOS, Novi Sad	1997
2,	E. Pashkov, Y. Osinsky, A. Chetiviorkin	Electropneumatics in Manufacturing Processes	FESTO Didactic	2004
3,	Dragan Šešlija	Automatizacija procesa rada - pneumatika (skripta)	FTN, Novi Sad,	2012

Table 5.2 Course specification

Course:		Database Design			
Course id:	IM1506				
Number of ECTS:	5				
Teachers:		Ristić M. Sonja, Mandić M. Vladimir			
Course status:		Elective			

Number of active teaching classes (weekly)

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

Precondition courses	None

1. Educational goal:

Acquiring in-depth knowledge in the field of contemporary data base systems, data base design techniques and involvement into real data base design project.

2. Educational outcomes (acquired knowledge):

By the end of the course, students should be able to: demonstrate understanding of the principles of database systems generally and the Entity-relational and the relational database models specifically; explain the basic principles and common trade-offs in designing a relational database, and to design it; set up, query, and update a relational database using interactive SQL.

3. Course content/structure:

Development of procedures for data management and data base concept. Fundamental concepts and characteristics of data models. ER data model. Relational data model. Classification and types of constraints in relational data model. Functional dependencies and equivalent keys of relation scheme. Update anomalies. Normal forms. Techniques for relational data base schema design. Structured Query Language (SQL) for data definition and data manipulation.

4. Teaching methods:

Lectures; laboratory exercises; individual consultations; team work on the design of conceptual data base schema; individual work (assignments). Students are encouraged to communicate, to reason critically, to work independently and to contribute actively to teaching process.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Complex exercises	Yes	10.00	Oral part of the exam	Yes	30.00
Complex exercises	Yes	10.00			
Complex exercises	Yes	10.00			
Exercise attendance	Yes	5.00			
Project task	Yes	15.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Mogin, P., Luković, I.	Principi baza podataka	Fakultet tehničkih nauka, Novi sad	1996
2,	Elmasri R, Navathe S.	Fundamentals of Database Systems, 6/E	Pearson Education Ltd.	2011
3,	Mogin, P., Luković, I., Govedarica, M.	Principi projektovanja baza podataka	FTN, Novi Sad	2004

Table 5.2 Course specification

Course:		Object-oriented Infromation Technologies
Course id:	IM1512	
Number of ECTS:	5	

Teachers:	Ristić M. Sonja, Bošković M. Dragan
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

The aim of the course is to empower students with theoretical and practical knowledge in object-oriented (OO) information technologies and OO software engineering. Students will be able to approach systematically to the study of new (not learned yet) OO tools and techniques and to master their use easily and quickly.

2. Educational outcomes (acquired knowledge):

This course discusses the design principles of object-orientation, introduces students with the Unified Modeling Language and studies advanced topics in OO system design, OO programming language and OO development process.

3. Course content/structure:

Object-oriented paradigm. Introduction into software engineering. Fundamental OO concepts: object, class, message etc. Object identity. Inheritance. Implementation hiding, polymorphism and persistence. OO data model. OO programming techniques. Fundamental concepts and syntax of selected OO programming language. Fundamentals of Unified Modelling Language (UML). OO model:structure model and behavior model. Methodological approach to OO software design and development. Fundamentals of Unified Process.

4. Teaching methods:

Lectures; Tutorials (computer laboratory); Consultations; Individual work on required assignments. Students are encouraged to communicate, to participate in critical discussions; to work independently and to be actively involved in teaching process.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Complex exercises	Yes	40.00	Oral part of the exam	Yes	30.00
Test	Yes	10.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Craig L.	Applying UML and Patterns, 3/E	Prentice Hall	2004
2,	Bruegge, B., Dutoit, A.	Object Oriented Software Engineering, 3/E	Pearson Education Int.	2010
3,	OMG	OMG Unified Modeling LanguageTM (OMG UML)	http://www.omg.org/spec/UML/2.4.1	2012
4,	Eckel, B.	Misliti na Javi	Mikro knjiga	2002

Table 5.2 Course specification

Course:		
Course id: II1036		Methods and techniques of quality improvement
Number of ECTS: 5		

Teachers:	Kamberović L. Bato, Radlovački S. Vladan
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

Course "Methods and techniques of the quality improvement" aims to train students in applying different methods and techniques which are used for quality improvement. Course consists of: statistical methods, engineering methods and managerial methods.

2. Educational outcomes (acquired knowledge):

With this course quality manager receives practical knowledge about purpose, structure, required resources and application of methods and techniques for quality improvement. This knowledge is considered necessary for quality manager's practice in everyday operations.

3. Course content/structure:

- Fundamentals of quality improvement
- Team work and quality improvement
- Steps - The processes of quality improvement
- The application of quality improvement methods and techniques in steps, i.e. process improvement
- Statistical methods and techniques of quality improvement
- Engineering methods and techniques of quality improvement
- Managerial techniques of quality improvement

4. Teaching methods:

Lectures. Numerical-computation (N) and laboratory (L) exercises. Consultations. The final score is based on achieved success in laboratory exercises, given assignment, computational and theoretical part of the exam.

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	Grupa autora	Metode i tehnike unapređenja procesa rada	FTN-IIS-ITC Novi Sad	2012
2,	Hitoshi, K	Statistical methods for quality improvement	3A Corporation, Tokyo	1995
3,	Hosotani, K	The QC problem solving approach	3A Corporation, Tokyo	1992

Table 5.2 Course specification

Course:			
Course id:	II1039	Resource planning systems in manufacturing	
Number of ECTS:	6		
Teachers:		Krsmanović B. Cvijan, Stefanović M. Darko	
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:

The goal of this course is to enable students to understand the concept of integrated business processes by using a support system for planning resources for the production and study of technology and software solutions that are used in a frequency domain of the work and business of real industrial systems.

2. Educational outcomes (acquired knowledge):

Students who listen the course and pass the exam will be in the outcome of education, master the necessary knowledge of the system to support planning resources for the production and control a significant number of methods, techniques and skills to work in a given area. They will be able to participate in the implementation of such systems, that actively use software solutions for a given purpose, to perform the necessary analysis and recommendations to give competent in choosing and implementing these software solutions.

3. Course content/structure:

This course will be processed in facilities such as support systems for production planning resources, basic concepts, and application development trends, the use of companies in Serbia and abroad, selection and implementation of a system to support planning for resource production, obstacles and barriers implementation of the system, the key components of the system to support the planning of production resources, the implementation phase systems to support the planning, protection systems to support planning for resource production.

4. Teaching methods:

Classes include lectures on the subject with examples of information systems to support production, strategies and approaches to implementing systems to support the planning of production resources and approaches and models for the assessment of success or effectiveness of implemented solutions. The exercises are performed in the laboratory with the help of computers and the exercises to encourage independent and team work on prototyping software solutions in the domain of system resources to support the planning of production.

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	40.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	10.00
Project task	Yes	15.00			
Project task	Yes	15.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Stefanović, D., Krsmanović, C.	Sistemi za podršku planiranju poslovnih resursa		2013
2,	Marianne Bradford	Modern ERP: Select, Implement & Use Today's Advanced Business Systems	lulu.com	2010
3,	Hawking Paul	Enterprise Resource Planning Systems in a Global Environment	IGI Global	2008
4,	Thomas F. Wallace, Michael H. Kremzar	ERP: Making It Happen: The Implementers' Guide to Success with Enterprise Resource Planning	Johan Wiley & Sons, Inc.	2001

Table 5.2 Course specification

Course:		Designing, Auditing and Analyses of Quality Management System
Course id:	IM1606	
Number of ECTS:	5	

Teachers:	Kamberović L. Bato, Radlovački S. Vladan
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

Acquisition of basic knowledge in the design process of quality management system (snapshot, plan for the improvement of the quality management system) and knowledge necessary for making a quality management system documentation, management review, internal quality management system verification and optimization of scale checks as required by the work process.

2. Educational outcomes (acquired knowledge):

Students obtain practical knowledge on application and significance of models of excellence models, for the purpose of reaching effective and efficient working processes in organizations, primarily in relationship with customers, but also with other interested parties (law maker, local community, shareholders, employees, etc.)

3. Course content/structure:

The process of designing a quality management system (snapshot, plan for the improvement of quality systems / procedures for the implementation of self-assessment management system), production of documents, quality management systems, management review, internal audits of quality management systems.

4. Teaching methods:

1) Lectures; consultation. 2) The exam is both written and oral. 3) rating exam is based on the success of the group and individual tasks and test tasks.

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	Grupa autora	Sistem menadžmenta kvalitetom	FTN, IIS-ITC Novi Sad	2012
2,	Grupa autora	Interne provere - proveravanje sistema menadžmenta kvalitetom	IIS-Istraživački i tehnološki centar, Novi Sad	2009
3,	Dew, J. R.	QUALITY CENTERED STRATEGIC PLANNING	Quality Resources, New York, NY, USA	1997

Table 5.2 Course specification

Course:		
Course id:	II1040	**Organization and mamanagement of maintenance**
Number of ECTS:	6	

Teachers:	Beker A. Ivan, Šević D. Dragoljub
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:

Subject Maintenance Organization and Management aims to deepen the knowledge acquired in subject Basics of Maintenance, in the areas of planning, organization, management and maintenance management

2. Educational outcomes (acquired knowledge):

After completing course and passing the exam, students will be able to participate in the activities of planning, organizing, management and maintenance management of the organizations. In addition, they will be able to conduct performance analysis for the design and improving of maintenance.

3. Course content/structure:

Terms and definitions, maintenance policies, inventory planning, inventory planning models, suppliers of spare parts, cost management, information system, documentation, data streams, recruitment, training, organization, performance rating of maintenance

4. Teaching methods:

Lectures and auditory exercises, consultations.
Students can pass the test of examination (when it is subjected only to test the remainder of the material), with the exam score is determined as the mean score obtained from the preliminary exams or exam. Exam and test (theoretical and computational part) shall be in writing. For taking the exam is necessary to evaluate both parts are positive.
Rating exam is based on attendance of lectures and exercises, success in tests and examinations.

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	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Dragutin Stanivuković, Ivan Beker	Održavanje sredstava rada (u pripremi)		2013

Table 5.2 Course specification

Course:			
Course id:	II1029	**Computer integrated manufacturing**	
Number of ECTS:	6		
Teachers:		Ostojić M. Gordana, Šešlija D. Dragan, Jovanović M. Vukica	
Course status:		Mandatory	

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

Precondition courses	None

1. Educational goal:

The course teaches the students the way of full implementation of computer integration of manufacturing systems.

2. Educational outcomes (acquired knowledge):

Outcomes of cases are mastering the techniques and the choice of appropriate systems and / or devices and interfaces that can be applied in various manufacturing processes in order to achieve full integration of computer. Special emphasis is on the application of various technologies for communication in a single system.

3. Course content/structure:

Introduction to CIM. Review of the existing CIM model. ISO-OSI reference model. Network topology and network communications. Industrial network protocols: TCP / IP, Ethernet, Profibus, Foundation Fieldbus, wireless Ethernet, DeviceNet, ASI, Wi-Fi, Bluetooth. Flexible manufacturing systems. Interfaces: RS-232, RS-485, RS-422, USB. Transfer lines. Ways to implement CIM and analysis of advantages and disadvantages. Examples of CIM systems.

4. Teaching methods:

Teaching is conducted through lectures and exercises. During the exercises the student is required to do practice-oriented tasks. Testing knowledge takes place through the theoretical part of the exam, while before that has to do all the exercises provided. The final exam is in the form of tests and refers to the theoretical issues.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Written part of the exam - tasks and theory	Yes	50.00
			Coloquium exam	No	20.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	U. Rembold, B.O. Nnaji	Computer Integrated Manufacturing and Engineering	Addison-Wesley	1993
2,	P. Ranky	Computer Integrated Manufacturing: An Introduction with Case Studies	Prentice Hall International	1996
3,	D.P.Buse, Q.H.Wu	IP Network – based Multi –agent System for Industrial Automation	Springer	2006
4,	Ostojić, G., Šešlija, D.	Računarom integrisani proizvodni sistemi - skripta	FTN	2012
5,	Homem De Mello S. L., Lee, S. L.	Computer-Aided Mechanical Assembly Planning	Springer	1991

Table 5.2 Course specification

Course:		Bachelor with honors Thesis - II
Course id:	II1033	
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	6

Precondition courses	None

1. Educational goal:

Application of basic, lessons learned and methods to solve practical problems in the selected areas. Students studies the problem, and the complexity of its structure and based on the conclusions of the analysis performed on possible ways of solving it. By studying literature students are introduced to methods of solving similar tasks and practice in solving them. Acquiring knowledge about, the structure and form of writing reports after completing analyzes and other activities carried out within the stated theme of the final work. Producing the final paper, students gain experience in writing papers in which it is necessary to describe the problem, methods, and procedures performed and results obtained. In addition, the goal of writing and defending the final work is to develop the students ability to self-employment preparation results in a convenient form of public presenting, as well as respond to comments and questions about a given topic.

2. Educational outcomes (acquired knowledge):

Training students to independently apply previously acquired knowledge in different areas that have been previously studied, in order to review the structure of the given problem and its systematic analysis in order to draw conclusions on possible directions for its resolution. Through the use of literature independently, students expand their knowledge of the chosen field of study and different methods of work that are related to a similar problem. Self studying and solving tasks in a given topic area, students gain knowledge of the complexity and the complexity of the problems of their profession. Making his graduate work, students gain some experience that can be applied in practice in solving the problems of their profession. Preparation of the results for public defense, public defense, and answers to questions and complaints commission student acquires the necessary experience on the way to practice to present the results of independent or collective work.

3. Course content/structure:

Formed in accordance with the individual needs and fields covered by the given topic of the final paper. Student in consultation with a mentor makes final thesis in writing in accordance with standards of the Faculty of Technical Sciences in Novi Sad. Students prepare and defend a written final work publicly, in agreement with a mentor in accordance with standards. Students study literature, professional and graduate student projects that deal with similar topics, makes analyzes in order to find solutions specific task defined final paper assignment.

4. Teaching methods:

Mentor of diploma thesis drafts of the task and submit it to the student. The student is required to graduate work in the development of a given topic, which is defined task. During the final paper, a mentor can give students additional instructions, refer to the literature and further directed him in order to produce a quality thesis. In the theoretical part of the final work of the student consults with the supervisor, if necessary, with other teachers who are dealing with topics from the field of the final work. Within a given topic, the student, if necessary perform certain measurements, tests, counting, polls and other surveys, if stipulated task. Student makes final work and then be approved by the Commission for assessment of, bound copies to the Commission. Defense of the final thesis is public, and the student is required after the presentation,to oraly answers to the questions and comments.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Writing the final paper with theoretic basis	Yes	50.00	Final exam defence	Yes	50.00

Table 5.2 Course specification

Course:		
Course id:	II1041	**Innovation and Entrepreneurship**
Number of ECTS:	5	

Teachers:	Borocki V. Jelena, Mitrović M. Slavica
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

The main objective of this course is to provide students with (1) an understanding of the basic concepts and practice of entrepreneurship and entrepreneurial activityes of engineers, (2) understanding the importance of innovation for the development of entrepreneurship and (3) an understanding of the innovation process models and enterprise innovation.

2. Educational outcomes (acquired knowledge):

Students who pass the exam are able to: (1) understand the basic concepts of entrepreneurship, to develop the entrepreneurial characteristics of Engineers, (2) accept the basic principles of the entrepreneurial process and understand different problems of starting their own business, (3) analyze innovation of company, innovation process and acquire the ability to to manage innovation in the enterprise, (4) develop and adopt the key principles for the process of creation of innovation in the enterprise.

3. Course content/structure:

Introduction: the importance of the role of entrepreneurship and enterprise development, entrepreneur - characteristics and skills. Entrepreneurship of a new era - new business models, new jobs and business skills of engineers, innovation and entrepreneurship in the new economic conditions. Entrepreneur and Entrepreneurship (term and definition, characteristics and skills, are examples of good and bad entrepreneurs). Engineer, manager and entrepreneur (similarities and differences, the necessary skills, integration skills and engineering knowledge). The importance of ideas for entrepreneurial ventures; transform ideas into business. Exploring entrepreneurial environment. Relation of entrepreneurship and innovation. Typology of innovation. Models of innovation processes. Innovation Strategy. Management of innovation. Innovation and technological trajectories. Innovative company - features, indicators, measurement and monitoring of key elements of innovation companies. Innovation Radar. Intellectual property.

4. Teaching methods:

Teaching is conducted through lectures and exercises. Lectures combine theory and practical examples. Lectures partly implemented guest speakers. In exercises work will be done in groups or individually. Part of the exercise is carried out through visits to business incubators, the Intellectual Property Office and other relevant institutions.

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	Šenk, V., Borocki, J. i drugi	Vodič za inovativne preduzetnike		2007
2,	Tekić, Borocki, Mitrović	Preduzetništvo i inovacije – elektronska skripta		2013

Table 5.2 Course specification

Course:			
Course id:	II1044		Energy flows and energy efficiency
Number of ECTS:	5		
Teacher:		Gvozdenac D. Dušan	
Course status:		Elective	

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

Precondition courses	None

1. Educational goal:

One of the most effective measures to reduce primary energy consumption is the use of technology to improve energy systems and the development of new procedures for the management and control of energy flows. In the present case the energy efficiency is studied as a means to reduce energy consumption and emissions.

The goal of course is to have a basic knowledge in the field of energy efficiency in the process of transformation, distribution and use of energy and energy sources in final energy sectors, especially in the industrial and building, allowing students to perform engineering analysis.

The goal is to future engineer acquires competence, knowledge and skills which they will be able to participate in the future in the process of identifying energy flows, and propose measures to improve the energy efficiency.

2. Educational outcomes (acquired knowledge):

Students will be able to cover all technical and non-technical aspects but energy efficiency.

Engineer acquires competence to managing the basics of the analysis of energy flows, the determining of measures to improve energy efficiency, energy management.

3. Course content/structure:

The importance of energy management and rational use of energy; define energy flows; connection and energy production, energy data and profiles of energy production and consumption, energy laws and standards that affect the use of energy indicators for the assessment of energy efficiency, monitoring energy consumption;

Analysis of energy efficiency in industry (boiler plants, steam and / or hot water distribution network and end-users; refrigeration and compressed gas systems, electrical systems) and building (analysis of the characteristics of object (layer), air conditioning systems heating and cooling, electrical consumers).

Energy saving measures: technical (energy efficiency devices, the use of waste heat) and organizational (power management, team support and the importance of hierarchically defined obligations and activities, awareness and motivation of employees, initiating and encouraging the promotion of rational use of energy).

4. Teaching methods:

Teaching the case includes lectures, exercises and workshops. In the exercises encourages independent and group work, analysis of specific case studies, the use of appropriate software in solving problems. Attendance at lectures is compulsory exercises. In the exam prerequisites, students are required to take the test. The exam is conducted in writing.

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	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Gvozdenac, D., Gvozdenac-Urošević B., Morvaj, Z.	Energetska efikasnost	FTN Izdavaštvo, Novi Sad	2012
2,	Morvay, Z., Gvozdenac, D.	Applied Industrial Energy and Environmental Management	John Wiley & Sons – IEEE press	2008
3,	Eastop T. D., Croft D. R.	Energy Efficiency (for Engineers and Technologists)	Longman Scientific & Technological	1990

Table 5.2 Course specification

Course:		Analysis and calculation of production costs
Course id:	II1047	
Number of ECTS:	6	
Teacher:	Ivanišević V. Andrea	
Course status:	Elective	

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

Precondition courses	None

1. Educational goal:

Mastering new trends and methods of management and cost analysis of the company, medžarskih criteria decision making about costs and how to activate the reserve costs to increase profit business.

2. Educational outcomes (acquired knowledge):

Acquired knowledge related to the understanding of the subject matter, the possibility of new methods and techniques in the management and analysis of the costs, as well as the acquisition of knowledge related to successful managerial cost management in a dynamic business environment.

3. Course content/structure:

Cost-benefit analysis of the project-cost-benefit analysis for the purposes of information support management in making business decisions. New approaches in cost and management accounting. Stategijski approach to management costs. The actual, planned and standard costs. The process of planning costs. Standardization of direct and indirect costs of flexible-spending plan production. Business decisions based on marginal costs. The formation of market prices in different market conditions. Calculation of costs and prices. Cost estimate based on an analysis of return-breakpoint graph of profitability. Cost Control-preventive and corrective control costs. New concepts and practices of management cost management. The application of simulation methods in planning and cost control. Information support planning and cost control.

4. Teaching methods:

Illustrations business practices through case studies in order to connect elaborated cost concepts, methods and techniques to real problems in the process management and cost analysis.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	20.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	50.00
Term paper	Yes	20.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Branislav Marić, Andrea Ivanišević	Analiza i obračun troškova proizvodnje (elektronska skripta)	Fakultet tehničkih nauka Novi Sad	2012
2,	Hansen, D.	Cost Management	McGraw-Hill, New York	2001

Table 5.2 Course specification

Course:		
Course id:	II1042	**Automation of Continual Processes**
Number of ECTS:	5	

Teachers:	Stankovski V. Stevan, Šešlija D. Dragan, Dudić P. Slobodan
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

The aim of the course is that students gain knowledge in components and control techniques that are used in the automation of continuous technological processes.

2. Educational outcomes (acquired knowledge):

The outcome of the subject is knowledge about the components and control techniques used in the automation of continuous technological processes.

3. Course content/structure:

Components for control of continuous processes. Slide valves. Taps (seated, ball, butterfly). Directional control valves. Three-way valves. Pressure regulators. Flow regulators. Condensate separators. Vapor barrier. Driving elements for control of slide valves, taps and directional control valves in continuous processes (pneumatic, electric). Sensors for continuous processes (limit switches, level meters, flow meters, thermometers, manometers, flow scales). Control of continuous processes. Distributed pneumatic control. Distributed electric control. Control of continuous industrial processes via computer networks. Wireless control of continuous processes. SCADA systems for continuous processes.

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,	Pashkov, E., Osinsky, Y., Chetviorkin, A.	Electropneumatics in Manufacturing processes	SevNTU Sevastopolj, Ukrajina	2004
2,	Šešlija, D.	Proizvodnja, priprema i distribucija vazduha pod pritiskom	IKOS Novi Sad	2002
3,	Hesse, S.	Sensors in Production Engineering	Festo AG Esslingen, Nemačka	2001
4,	Heinemann, T.	Handbuch fur Prozesstechnik	Festo AG Esslingen, Nemačka	2005
5,	Dragan šešlija	Automatizacija kontinualnih procesa - skripte	FTN, Novi Sad	2012

Table 5.2 Course specification

Course:		Systems for measurement, surveillance and control
Course id:	II1045	
Number of ECTS:	5	
Teachers:		Ostojić M. Gordana, Stankovski V. Stevan, Jovanović M. Vukica
Course status:		Elective

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

Precondition courses	None

1. Educational goal:

The aim of the course is that the students gain knowledge and skills for applying systems for monitoring and visualization of processes in industrial systems.

2. Educational outcomes (acquired knowledge):

The outcome of the subject is the knowledge that gives the students the opportunity to apply systems for monitoring and visualization of processes in industrial systems.

3. Course content/structure:

Signal acquisition; monitoring and processing of events; process management; data collection from industrial processes; Chronology of events and Analysis; Visualisation process; Calculation and reports; special functions; Telemetry; HMI and MMI interfaces; Displays; WEB oriented systems; surveillance systems for non-industrial processes; security in surveillance systems.

4. Teaching methods:

Teaching is conducted through lectures and exercises. During the exercises the student is required to do practice-oriented tasks. Evaluation of knowledge is carried out through the subject project and the final exam. The requirement for taking the final exam is that the student must successfully complete the project. The final exam is in written form.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Written part of the exam - tasks and theory	Yes	50.00
			Coloquium exam	No	20.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Barfield L.	The User Interface Conepts and Design	Addison Wesley	1993
2,	N. Kirianaki, S. Yurish, N., Shpak, V. Deynega	Data Acquisition and Signal Processing for Smart Sensors	John Wiley & Sons	2002
3,	Ostojić, G., Stankovski, S.	Sistemi za nadgledanje i vizuelizaciju procesa - skripta	FTN	2012

Table 5.2 Course specification

Course:	
Course id: II1048	**Artificial intelligence in engineering**
Number of ECTS: 6	

Teachers:	Stankovski V. Stevan, Ostojić M. Gordana, Jovanović M. Vukica, Ivandić I. Željko
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

The aim of the course is that students master the fields of artificial intelligence and programming techniques in these areas.

2. Educational outcomes (acquired knowledge):

The outcome of this course is to master the fields of artificial intelligence and programming techniques in these areas.

3. Course content/structure:

Matematička logika; Programski jezik PROLOG; Prostor stanja; Produkcioni sistemi; Strategije pretraživanja; Predstavljanje znanja; Mašinsko učenje; Ekspertni sistemi; Neuronske mreže; Fazi logika; Genetski algoritmi; Roj inteligencija; Inteligentni agenti; Inteligentni uređaji; Inteligente mreže; Inteligentni sistemi

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,	Jocković M., Ognjanović Z., Stankovski S.	Veštačka inteligencija, inteligentne mašine i sistemi		1997
2,	Bojić D., Velašević D., Mišić V.	Zbirka zadataka iz ekspertnih sistema		1996
3,	Dragan Kukolj	Sistemi zasnovani na računarskoj inteligenciji	Fakultet tehničkih nauka	2007
4,	Stevan Stankovski	Inteligentni sistemi - skripta	Fakultet tehničkih nauka	2012

Table 5.2 Course specification

Course:		
Course id:	II1046	**Agile Approaches in Software Development**
Number of ECTS:	5	
Teacher:		Mandić M. Vladimir
Course status:		Elective

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

Precondition courses	None

1. Educational goal:

The aim of the course is to teach students with different approaches to agile software development and to introduce participants with possible ways of scaling agile approaches onto entire organizational structure.

2. Educational outcomes (acquired knowledge):

Students will learn the basic principles, as well as, limitations and advantages of agile software development. During the course, students will learn the most representative agile methodologies such as XP, Scrum, Kanban, Feature Driven Development. They will be also, familiarized with the challenges of scaling agile development approach to multiple organizational levels (e.g. strategic level) and some of the solutions that are currently topical, such as Lean Software Development and Leffingwell's model.

3. Course content/structure:

The course covers the following topics: (1) Historical overview and motivation for agile software development, (2) General characteristics of agile methods, (3) Details of selected agile approaches, (4) Effects of adaptation of agile methods (presentation of case studies), and (5) Approaches for scaling agile methods on higher organizational levels.

As part of the exercise, students will be divided into groups, where each group will choose a different agile methodology for the same project. The aim of the exercises is to compare the experience with the use of various agile approaches.

4. Teaching methods:

Lectures, laboratory exercises and exams. Lectures will be interactive and induced through discussion of relevant topics through student presentations of selected case studies. On lab exercises, students will go through the whole process of software development using an agile approach.

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	Cockburn, A	Agile Software Development	Addison-Wesley	2001
2,	Dean Leffingwell	Scaling Software Agility: Best Practices for Large Enterprises	Addison-Wesley Professional	2007
3,	V. Mandic et al.	What Is Flowing in Lean Software Development?	Springer-Verlag, Lecture Notes in Business Information Processing, Volume 65, Part 2, 72-84	2010
4,	Paul E. McMahon	Integrating CMMI and Agile Development: Case Studies and Proven Techniques for Faster Performance Improvement	Addison-Wesley	2011

Table 5.2 Course specification

Course:			
Course id:	II1049	**Manufacturing documentation management (DMS)**	
Number of ECTS:	6		

Teacher:	Krsmanović B. Cvijan

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 first goal of the subject is offering of need and new knowledge about main principles of Document Management technology and functions of electronic document management systems (DMS). The second goal of the subject is preparing of students for methods and techniques application in modeling of business processes which is required for implementation of document management system in manufacturing and for manufacturing.

2. Educational outcomes (acquired knowledge):

Students will to be prepared for application of some methods and techniques for business process modeling and, in the same time, they will to acquire need skills in the field of implementation and application of systems and software tools immanent to document management in industrial manufacturing systems.

3. Course content/structure:

Introduction to document management systems. Document management concepts: the document, meta-data, versions, repositories. Document management functions and technologies. The control of creation and categorization of documents. The control of access and document protection. Production system analysis from documentation aspect. Document management in the life cycle. Business process modeling from the aspect of document management. Process automation. Review of software solutions for manufacturing document management. Possibilities of application with emphasize on quality assurance system.

4. Teaching methods:

Lectures and computer aided exercises. Knowledge tests and 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	Practical part of the exam - tasks	Yes	10.00
Term paper	Yes	40.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Stefanović, N., Krsmanović, C.	Sistemi za upravljanje dokumentima, skripta	Fakultet tehničkih nauka, Novi Sad	2012
2,	Jenkins, T.	Enterprise Content Management - what you need to know	Open Text Corporation	2004
3,	Forquer, B., Jelinski, P., Jenkins, T.	Enterprise Content Management - Solutions	Open Text Corporation	2005
4,	MacMillan, A., Huff, B.	Transforming Info-glut - Pragmatic Strategy for Oracle ECM	McGraw - Hill	2009
5,	Caruana, D.	Professional Alfresco - Practical Solutions for ECM	Wiley Publishing, Inc.	2010

Table 5.2 Course specification

Course:			
Course id:	IM1516	**Database Systems**	
Number of ECTS:	5		
Teacher:		Ristić M. Sonja	
Course status:		Elective	

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

Precondition courses	None

1. Educational goal:

Advanced education in database systems, with developing of students' ability to involve in real-world projects of database design and implementation.

2. Educational outcomes (acquired knowledge):

Students will get hands-on experience with: designing stored procedures and triggers in a relational database system; explaining the basic principles and common trade-offs in relational database query optimization; explaining the basic principles of database concurrency control and recovery, and implement them within a transaction program.

3. Course content/structure:

Characteristics and capabilities of database systems (DBS) / database management systems (DBMS). Transactional data processing. Transaction management system and data sharing and multiuser environment. Database security, safety and recovery. Data dictionary. Realization of database schema on a database server. Server programming techniques. Distributed databases. Database file organization. Query processing and query optimization. Database design methods.

4. Teaching methods:

Lectures; laboratory exercises; individual consultations; team work on the design of conceptual data base schema; individual work (assignments). Students are encouraged to communicate, to reason critically, to work independently and to contribute actively to teaching process.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Complex exercises	Yes	10.00	Oral part of the exam	Yes	30.00
Complex exercises	Yes	10.00			
Project	Yes	30.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Mogin, P., Luković, I., Govedarica, M.	Principi projektovanja baza podataka	Fakultet tehničkih nauka, Novi Sad	2004
2,	Date, C. J.	An Introduction to Database Systems	Addison - Wesley	1996
3,	Elmasri R, Navathe S.	Fundamentals of Database Systems, 6/E	Pearson Education Ltd.	2011
4,	Mogin P.	Strukture podataka i organizacija datoteka	CET	2008

Table 5.2 Course specification

Course:		
Course id:	II1043	**Maintenance techniques and technologies**
Number of ECTS:	5	

Teachers:	Beker A. Ivan, Šević D. Dragoljub

Course status:	Elective

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

Precondition courses	None

1. Educational goal:

The course aims to train students in doing the basic behavior following parts of technological systems in order to determine the state of work (in work or failure) and estimate remaining life for the part. The goal of the course is to train students in the use of specific technologies for renewal parts of technological systems, as well as identifying the best technologies for recovery of specific cases.

2. Educational outcomes (acquired knowledge):

After completing course and passing the exam, students will be able to identify the processes that take place while failure of certain elements of technological systems and to define diagnostic procedure that provides timely detection of the processes leading to the failure, and thus defining methods to prevent or delay the emergence of failures. Also, students will be able to identify the best technologies for recovery of failed parts, and for proper application of each technology processed.

3. Course content/structure:

The course covers, analysis of noise and vibration diagnostics using infrared cameras and diagnostics lubricants, etc.. Also, the subject aims to familiarize students with the basic technologies that are used when restoring defective parts of technological systems, in whole or in part. Core technologies that are processed in the case are: welding, welding, bonding, gluing, plastic deformation, liquid metal, liquid rubber, liquid ceramics and others.

4. Teaching methods:

Classes are held through auditory lectures are accompanied by slides and auditory exercises that further elaborate on solving specific problems. And lectures and exercises are accompanied by a large number of practical examples. In addition, the involvement of the practical application of specific technologies repair spare parts, as well as demonstrations of various devices that are used in maintenance activities.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	50.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			
Test	Yes	10.00			
Test	Yes	10.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	B. Jeremić, P. Todorović, I. Mačužić, i dr.	Tehnička dijagnostika	Mašinski fakultet, Kragujevac	2006
2,	D. Stanivuković, S. Kecojević	Održavanje - IIS prilaz projektovanju i upravljanju	FTN, Novi Sad	1995
3,	Ivan Beker	Zaptivanje i zaptivni materijali	FTN, Novi Sad	1997
4,	D. Stanivukovic, V. Savić, I. Beker	Procesi podmazivanja	FTN, Novi Sad	2000

Table 5.2 Course specification

Course:		
Course id:	II1050	**TRIBOLOGY AND LUBRICATION**
Number of ECTS:	6	

Teachers:	Jocanović T. Mitar, Kamberović L. Bato
Course status:	Elective

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

Precondition courses	None

1. Educational goal:

Introduce students to the aspects of maintenance on the friction and wear mechanisms, chemism oils and lubricants, general and field application of oil and grease in the industry and lubrication systems.

2. Educational outcomes (acquired knowledge):

Aquired knowledge about the science of oils and lubricants, lubrication, friction and wear mechanisms, wear proper diagnosis mechanisms.

3. Course content/structure:

-Mechanisms of friction and wear,
-Chemism oils and lubricants
-General and Field application of oils and lubricants in industry
-Lubrication systems

4. Teaching methods:

Classes has auditorial form, and followed by auditorial exercisess. Exercises has a purpose to present technologies more detailed. There are given numerous examples in practice to better understanding presented lectures. Auditory lectures with laboratory exercises and written exams.

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,	V.Savić	TRIBOLOGIJA I PODMAZIVANJE	IKOS	1995
2,	Totten, E. George	HANDBOOK OF LUBRICATION AND TRIBOLOGY	Seattle -USA	2006
3,	Stachowiak, G. W., Batchelor A. W.	Engineering Tribology	University of Western Australia	2001

Table 5.2 Course specification

Course:		
Course id:	IM1618	**Design and Analysis of Maintenance Procedure**
Number of ECTS:	5	
Teacher:	Beker A. Ivan	
Course status:	Elective	

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

Precondition courses	None

1. Educational goal:

The main objective of this course is to enable students to conduct performance analysis of maintenance, to interpret the results, and on this basis to define the actions that will lead to more effective (successful) operation maintenance.

2. Educational outcomes (acquired knowledge):

After completing courses and passing the exam, students will be able to analyze the performance of maintenance functions and the design of improved maintenance activities.

3. Course content/structure:

Subject Design and Performance Analysis of Maintenance consists of two basic but mutually conditioned parts. The first part covers the design of maintenance, which includes the selection and training of personnel, design workshops with the necessary equipment and to define the basis for determining the need for cooperation in the field of maintenance. The second part of the case involves the analysis of performance and maintenance of a framework for re-engineering maintenance process in order to achieve successful operation and maintenance of the company as a whole.

4. Teaching methods:

Teaching is done through auditory lectures are accompanied by slides and auditory exercises that further elaborate on solving specific problems. And lectures and exercises are accompanied by a large number of practical examples.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	20.00
Project task	Yes	40.00			

Literature				
Ord.	Author	Title	Publisher	Year
1,	Ivan Beker, Dragutin Stanivuković	Održavanje sredstava rada	FTN, Novi Sad	2012
2,	Dragutin Stanivuković, Slobodan Kecojević	Održavanje - IIS prilaz projektovanju i upravljanju	FTN, Novi Sad	1995

Standard 06.   Programme Quality, Contemporaneity and International Compliance

The study programme is coordinated with contemporary trends and situation in profession, science and art in adequate educational scientific or educational artistic field and it is compatible with similar programmes in international higher education institutions.

The study programme of Industrial Engineering is created as a comprehensive programme and provides students latest scientific knowledge in the field.

The programme of Industrial Engineering is comparable and coordinated with the following faculties:
1. North Dakota State University
Fargo, ND, USA
http://www.ndsu.edu/ime/industrial_engineering_management/

The study programme of Industrial Engineering of the North Dakota State University is significantly coordinated with the study programme at the Faculty of Technical Sciences. It is specially so in the first three years of studies, prior to directing to the selective professional feild at the Faculty of Technical Sciences.
The programme at the North Dakota State University contains more subject on chemistry, physics, mechanics, etc, while technical subjects are significantly coordinated.

2.Purdue University
West Lafayette, Indiana
https://engineering.purdue.edu/IE/Academics/Undergrad/Program

3.National University of Ireland
Galway, Ireland
http://www.mis.nuigalway.ie/mis/engineering/undergraduate/programmes/industrial.html

The Study programmes of Industrial Engineering at the National University of Ireland and the Faculty of Technical Sciences are greatly coordinated, especially at the professional study field Information, managment and communication systems.

<eng>4.University of Pittsburgh,
Swanson School of Engineering, Ohio, USA
http://www.engineering.pitt.edu/Industrial/Undergraduate/Curriculum_Effective_as_of_Fall_2010/</eng>
Specifiedprogram of study is largely consistent with the Industrial Engineering programme, Faculty of Technical Sciences in Novi Sad.

5. Chalmers University of Technology
Göteborg, Sweden
http://www.chalmers.se

Standard 07. Student Enrollment

Faculty of Technical Sciences, in accordance with social needs and their resources, on core academic studies of Industrial Engineering is enrolling the student on budget financing and self-financing, a number of students is defined every year by a special decision of NNV FTN.

Selection of students and enrollment of candidates is done on the basis of success in previous studies and the achieved success on the entrance exam, which is defined in the Regulations on student enrollment in courses.

Students from other programs of study as well as those with completed studies may enroll in this degree program. In doing so, the evaluation committee (consisting of the heads of all departments involved in the implementation of the study and head of the study program) evaluate all the horizontal activities of candidates for admission on the basis of the number of points determined by a recognized academic year in which a student can enroll. There are activities that can be recognized in full, may be recognized in part (Commission may require appropriate amendments), or they can not be admittet.

Standard 08.   Student Evaluation and Progress

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

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

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

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

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

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

Standard 09. Teaching Staff

For the realization of the Industrial Engineering study programme, there are the faculty staffs with necessary scientific, artistic 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 more than 70% are employed full time.

The number of assistant 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.

All information regarding the teaching staff and assistants (CV, appointments, and references) are available to public.

Science, arts and professional qualifications

Name and last name:	Buchmeister S. Borut
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1996	Faculty of Mechanical Engineering, University of Maribor - Maribor	Production Systems, Organization and Management
Magister thesis	1990	Faculty of Mechanical Engineering, University of Maribor - Maribor	Production Systems, Organization and Management
Bachelor's thesis	1986	Faculty of Mechanical Engineering, University of Maribor - Maribor	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.	M316	Production Systems	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
2.	IM1104	Strategic Management	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1106	Business Process Simulation	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
4.	IM1118	Business Productivity Tools	(I20) Engineering Management, Undergraduate Academic Studies
5.	HDOK4 S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
6.	I071B	Strateško upravljanje projektima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
7.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
8.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
9.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
10.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. PANDŽA, Krsto, POLAJNAR, Andrej, BUCHMEISTER, Borut, THORPE, Richard. Evolutionary perspectives on the capability accumulation process. Int. j. oper. prod. manage., 2003, vol. 23, no. 8, str. 822-849. [COBISS.SI-ID 8111638], [JCR, WoS do 6. 12. 2011: št. citatov (TC): 9, čistih citatov (CI): 9, normirano št. čistih citatov (NC): 35, Scopus do 17. 6. 2012: št. citatov (TC): 11, čistih citatov (CI): 11, normirano št. čistih citatov (NC): 43]

2. BUCHMEISTER, Borut, KREMLJAK, Zvonko, PANDŽA, Krsto, POLAJNAR, Andrej. Simulation study on the performance analysis of various sequencing rules. Int. j. simul. model., June/September 2004, vol. 3, no. 2/3, str. 80-89. [COBISS.SI-ID 9075990]

3. PANDŽA, Krsto, POLAJNAR, Andrej, BUCHMEISTER, Borut. Strategic management of advanced manufacturing technology. Int. j. adv. manuf. technol., 2005, vol. 25, 3/4, str. 402-408. http://dx.doi.org/10.1007/s00170-003-1804-x. [COBISS.SI-ID 9383190], [JCR, WoS do 6. 5. 2011: št. citatov (TC): 6, čistih citatov (CI): 5, normirano št. čistih citatov (NC): 9, Scopus do 10. 9. 2012: št. citatov (TC): 14, čistih citatov (CI): 13, normirano št. čistih citatov (NC): 23]

4. KREMLJAK, Zvonko, POLAJNAR, Andrej, BUCHMEISTER, Borut. Hevristični model razvoja proizvodnih zmogljivosti = A heuristic model for the development of production capabilities. Stroj. vestn., 2005, letn. 51, št. 11, str. 674-691. [COBISS.SI-ID 8659739], [JCR, WoS do 6. 11. 2012: št. citatov (TC): 6, čistih citatov (CI): 5, normirano št. čistih citatov (NC): 8, Scopus do 18. 6. 2012: št. citatov (TC): 7, čistih citatov (CI): 6, normirano št. čistih citatov (NC): 9]

5. TASIČ, Tadej, BUCHMEISTER, Borut, AČKO, Bojan. Razvoj naprednih metod za vodenje proizvodnih postopkov = The development of advanced methods for scheduling production processes. Stroj. vestn., 2007, letn. 53, št. 12, str. 844-857. [COBISS.SI-ID 12075030], [JCR, WoS do 6. 12. 2011: št. citatov (TC): 9, čistih citatov (CI): 8, normirano št. čistih citatov (NC): 11, Scopus do 1. 8. 2012: št. citatov (TC): 9, čistih citatov (CI): 8, normirano št. čistih citatov (NC): 11]

	Representative refferences (minimum 5, not more than 10)
6.	KREMLJAK, Zvonko, BUCHMEISTER, Borut. Uncertainty and development of capabilities, (DAAAM Publishing series, Management Science). Vienna: DAAAM International Publishing, 2006. X, 143 str., graf. prikazi. ISBN 3-901509-55-0. [COBISS.SI-ID 57398785]
7.	POLAJNAR, Andrej, BUCHMEISTER, Borut, LEBER, Marjan. Proizvodni menedžment. Ponatis. V Mariboru: Fakulteta za strojništvo, 2005. VI, 415 str., 28 str. pril., ilustr., preglednice. ISBN 86-435-0379-7. [COBISS.SI-ID 54649089]
8.	BUCHMEISTER, Borut, PANDŽA, Krsto, PALČIČ, Iztok. Idejna študija o ustanavljanju regionalnega logističnega centra za vzdrževanje in popravila vojaških in namenskih vozil. Maribor: Fakulteta za strojništvo, 2002. 28, 6 f. pril., ilustr. [COBISS.SI-ID 7612438]l
9.	PALČIČ, Iztok, BALAŽIC, Matej, MILFELNER, Matjaž, BUCHMEISTER, Borut. Potential of laser engineered net shaping (LENS) technology. Mater. manuf. process., 2009, vol. 24, no. 7/8, str. 750-753, doi: 10.1080/10426910902809776. [COBISS.SI-ID 13243670], [JCR, WoS do 6. 11. 2012: št. citatov (TC): 6, čistih citatov (CI): 5, normirano št. čistih citatov (NC): 5, Scopus do 8. 8. 2012: št. citatov (TC): 7, čistih citatov (CI): 6, normirano št. čistih citatov (NC): 6]
10.	PALČIČ, Iztok, BUCHMEISTER, Borut, POLAJNAR, Andrej. Analysis of innovation concepts in Slovenian manufacturing companies. Stroj. vestn., 2010, vol. 56, no. 12, str. 803-810. http://www.sv-jme.eu/scripts/download.phpfile=/data/upload/2010/12/03_2010_083_Palcic_3k.pdf. [COBISS.SI-ID 14634774], [JCR, WoS do 6. 11. 2012: št. citatov (TC): 7, čistih citatov (CI): 7, normirano št. čistih citatov (NC): 8, Scopus do 17. 10. 2012: št. citatov (TC): 8, čistih citatov (CI): 8, normirano št. čistih citatov (NC): 9]

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	43			
Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	1	International :	1

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:	Anišić M. Zoran
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2002	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	1997	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1012	Assembly Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	IM1011	Applied Operational Research	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
3.	IM1013	Product Development	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1112	Technological and Business Forcasting	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1212	Decision Theory	(I20) Engineering Management, Undergraduate Academic Studies
6.	IMDS67	Selected Chapters in Product Lifecycle Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
7.	IMDSPI	Selected Chapters in Design for Excellence	(I12) Industrial Engineering, Specialised Academic Studies
8.	PLM02	Product Development and Management in PLM	(I10) Industrial Engineering, Master Academic Studies (I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
9.	IM2207	Technology management	(I20) Engineering Management, Master Academic Studies
10.	IM2213	Product and Service Management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
11.	IM2216	Technology transfer and intellectual property management	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies (I20) Engineering Management, Master Academic Studies
12.	PLM02	Applied Product Development	(I20) Engineering Management, Specialised Professional Studies
13.	IMDR67	Selected Chapters in Product Lifecycle Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
14.	IMDR91	Product Family Development and Product Configurators	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
15.	IMDR92	Advanced Forecasting Methods and Techniques	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	IMDRPI	Selected Chapters in Design for Excellence	(F00) Graphic Engineering and Design, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Ćosić, I., Anišić, Z., Lazarević, M.: Tehnološki sistemi u montaži, FTN, Novi Sad, str.290, UDK 621.717-52(075.8), ISBN 978-86-7892-448-4, 2012

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

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	43			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	0	International :	1

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 incendiary ammunition, Materials and Design, 2011, Vol. 32, pp. 4022-4029, ISSN 0261-3069
2.	Baloš S., Arlan B., Alan P.: Roman mystery iron blades from Serbia, Materials Characterization, 2009, Vol. 60, No 4, pp. 271-276, ISSN 1044-5803
3.	Baloš S., 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:		Beker A. Ivan		
Academic title:		Associate Professor		
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad		
		01.12.1987		
Scientific or art field:		Quality, Effectiveness and Logistics		
Academic carieer	Year	Institution		Field
Academic title election:	2012			Quality, Effectiveness and Logistics
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad		Engineering Management
Magister thesis	1996	Faculty of Technical Sciences - Novi Sad		Engineering Management
Bachelor's thesis	1986	Faculty of Technical Sciences - Novi Sad		Engineering Management

	List of courses being held by the teacher in the accredited study programmes			
	ID	**Course name**		**Study programme name, study type**
1.	URZP49	Logistics in the Conditions of Catastrophic Events		(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	II1016	Reliability of technical systems and Maintenance		(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1040	Organization and mamanagement of maintenance		(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1043	Maintenance techniques and technologies		(I10) Industrial Engineering, Undergraduate Academic Studies
5.	IM1030	Integral Systems Support - Logistic		(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
6.	IM1036	Reliability Theory		(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1049	Supply chain Management		(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1614	Organization and Management of Logistic		(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1615	Maintenance of Technical Equipment		(I20) Engineering Management, Undergraduate Academic Studies
10.	IM1618	Design and Analysis of Maintenance Procedure		(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
11.	IM1620	Reverse and Green Logistic		(I20) Engineering Management, Undergraduate Academic Studies
12.	IM1622	Information Security Management System		(I20) Engineering Management, Undergraduate Academic Studies
13.	IM1623	Occupational Health and Safety Management System		(I20) Engineering Management, Undergraduate Academic Studies
14.	I501	Risk Management		(I10) Industrial Engineering, Master Academic Studies
15.	I841	Spare parts management		(I10) Industrial Engineering, Master Academic Studies
16.	IMDR0S	Selected chapters in enterprise's design, organization and control		(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
17.	IMDS95	Trends in Customer Relationship Management		(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
18.	PLM10	Product Servicing and Maintenance		(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
19.	LIM16	Production Logistics		(LIM) Logistic Engineering and Management, Master Academic Studies
20.	LIM18	Life Cycle Costs and Supply		(LIM) Logistic Engineering and 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
21.	LIM30	Inventory Planning and Management	(LIM) Logistic Engineering and Management, Master Academic Studies
22.	I843	Maintenance effectiveness	(H00) Mechatronics, Master Academic Studies
			(I10) Industrial Engineering, Master Academic Studies
23.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
24.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
25.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
26.	IM2607	Risk management	(M50) Energy Management, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
27.	IM2615	Lean Logistics	(I20) Engineering Management, Master Academic Studies
28.	IM2617	Information Systems to Support Quality, Logistics and Maintenance	(I20) Engineering Management, Master Academic Studies
29.	IM2618	Transportation management	(I20) Engineering Management, Master Academic Studies
30.	IM2619	Stock planning and management	(I20) Engineering Management, Master Academic Studies
31.	IM2620	Lean Maintenance	(I10) Industrial Engineering, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
32.	IM2622	Design and Implementation of Health and Safety System	(I20) Engineering Management, Master Academic Studies
33.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
34.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
35.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
36.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
37.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
38.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
39.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
40.	ZRD232	Logistics in the Security Services and Health at Work	(Z01) Safety at Work, Doctoral Academic Studies
41.	ZRD29A	Selected Topics in Systems Reliability	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Jocanović M., Šević D., Karanović V., Beker I., Dudić S.: Increased Efficiency of Hydraulic Systems Through Reliability Theory and Monitoring of System Operating Parameters, Strojniški vestnik - Journal of Mechanical Engineering, 2012, Vol. 58, No 4, pp. 281-288, ISSN 0039-2480
2.	Beker I.: ZAPTIVANjE I ZAPTIVNI MATERIJALI, FTN -Institut za industrijske sisteme i IIS - Istraživački i tehnološki centar, Novi Sad, 2001
3.	D. Stanivuković, B. Sabo, T. Furman. I. Beker, V. Bajić, J. Dakić: Tehnologije reparature i regeneracije delova, Časopis Traktori i pogonske mašine, Novi Sad, oktobar 1998
4.	D. Stanivuković, S. Kecojević, I. Beker: Projektovanje održavanja na modularnom principu, 1 str., Tribologija u industriji, godina XV, broj 2 - juni 1993., Kragujevac, 1993.
5.	I. Beker, D. Stanivuković, D. Šević: GEARBOX AND GEAR TRANSMISSION MAINTENANCE – OVERVIEW OF THE PUBLISHED PAPERS, THE SECOND INTERNATIONAL CONFERENCE "POWER TRANSMISION 2006", 25th – 26th april 2006, Faculty of Technical Sciences, Novi Sad, Serbia & Montenegro
6.	I. Beker, D. Stanivuković: BASICS OF IIM – ITC APPROACH TO LOGISTICS DESIGN AND MANAGEMENT, 13th Scientific Conference on INDUSTRIAL SYSTEMS, Septembar 07 – 09, 2005, Vrnjacka Banja, Srbija i Crna Gora
7.	Beker I., Jevtić V., Dobrilović D.: Using Shortest-Path Algorithms for Forklift Route Planning and Optimization, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehnickin nauka, Novi Sad, 14-16 Septembar, 2011, pp. 285-290, ISBN 978-86-7892-341-8, UDK: 658.5 (082)

	Representative refferences (minimum 5, not more than 10)				
8.	Vulanović S., Beker I., Radlovački V., Delić M.: The Appliance of Work Flow Diagram as a Tool for Identification and Grouping of Failures in Processes of Integrated Management System, INTERNATIONAL JOURNAL ADVANCED QUALITY, 2012, Vol. 40, No 1, pp. 23-26, ISSN 2217-8155, UDK: 658.5				
9.	Stanivuković D., Kamberović B., Beker I., Šević D.: TENDENCIJE RAZVOJA KVALITETA, POUZDANOSTI, ODRŽAVANjA I LOGISTIKE Naziv skupa: XII međunarodna konferencija IS 2002, Vrnjačka Banja, 2002. , 12. International Scientific Conference on Industrial Systems - IS, Vrnjačka Banja: Institut za industrijske sisteme, FTN, Novi Sad, 22-23 Novembar, 2002, pp. 75-89				
10.	Stanivuković D., Beker I., Šević D.: Trends in development of logistics and logistics management - an overview , Industrijski sistemi, 2005, pp. 527-539, UDK: 658.5				
	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 :	4

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: Arbeitszenarien und Optimierung von Abläufen und Steuerung von selbstorganisierenden Bionic Assembly System in CIM Umgebung (u toku)

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

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

	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:	Borocki V. Jelena
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.11.2007
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1997	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1993	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E2I41	Information System Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
2.	EOS33	Entrepreneurial management	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	II1041	Innovation and Entrepreneurship	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1005	Entrepreneurship	(I20) Engineering Management, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
5.	IM1021	Developmental Processes in Company	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1031	Enterprise's organization	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1045	Innovation in Enterprises	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1206	Innovation and Change Management	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1214	Management of Research and Development	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM1216	Entrepreneurship in high technology	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM1217	Entrepreneurship and New Business Venturing	(I20) Engineering Management, Undergraduate Academic Studies
12.	IM1218	Models of open innovations and corporate entrepreneurship	(I20) Engineering Management, Undergraduate Academic Studies
13.	IM1220	Entrepreneurial strategies	(I20) Engineering Management, Undergraduate Academic Studies
14.	IM1222	Managing intellectual capital of enterprise	(I20) Engineering Management, Undergraduate Academic Studies
15.	EE546	Entrepreneurship in Electrical Engineering	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
16.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
17.	IMDS61	Innovative business operations of enterprise	(I22) Engineering Management, Specialised Academic Studies

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

	ID	Course name	Study programme name, study type
18.	IMDS65	Entrepreneurship and Organizational Development	(I22) Engineering Management, Specialised Academic Studies
19.	MBA412	Strategy of Technological Innovations	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
20.	MBA414	Integrated Business Processes	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
21.	MBA515	decision macing and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
22.	IIDS19	Organizational structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
23.	IM2217	Technology based Entrepreneurship	(I20) Engineering Management, Master Academic Studies
24.	IM2219	Strategic Entrepreneurship	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
25.	IM2220	Instruments of entrepreneurship and regional development	(I20) Engineering Management, Master Academic Studies
26.	IM2221	Innovation measurement	(I20) Engineering Management, Master Academic Studies
27.	IMDS70	Advanced topics on Innovation and Entrepreneurship	(I22) Engineering Management, Specialised Academic Studies
28.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR12	Organizational structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
30.	IMDR61	Enterprise Innovative Business	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR65	Entrepreneurship and Organizational Development	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
32.	IMDR70	Advanced topics on Innovation and Entrepreneurship	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Bojović, V., Borocki, J., Mirosavljev, M., Radovanović J., Rašković, V., Šenk, V., VODIČ ZA INOVATIVNE PREDUZETNIKE

2. Borocki, J., Cosic, I., Lalic, B., Maksimovic, R., Analysis of company development factors in manufacturing and service company: a strategic approach, Strojniski vestnik - Journal of Mechanical Engineering, 0039-2480, pp.55-68

3. Katic (Drezgic) I., Borocki J., Zekic S., Penezic N.: Entrepreneurship significance in restructuring process, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 902-907, ISSN 1840-1503

4. Raskovic, V., Senk, V., Borocki, J., Cosic, I.: PROMOTING ENTREPRENEURIAL THINKING IN WOULD-BE AND EXISTING HIGH-TECH COMPANIES IN SERBIA, Promoting Entrepreneurship by Universities, Hämeenlinna, Finland: FINPIN, HAMK University of Applied Sciences and Häme Convention Bureau, april, 2008, pp. 83- 90, ISBN 978-951-827-096-9.

5. Djakovic, V., Andjelic, G., Borocki, J., Performance of extreme value theory in emerging markets: an empirical treatment, African Journal of Business and Management, ISSN: 1993-8233

6. Vidicki P., Borocki J., Senk V., Raskovic V.: Innovation activities in enterprise: different models of measurement, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Science, September 14-16, 2011, pp. 473-478, ISBN 978-86-7892-341-8, UDK: 658.5

7. Borocki J., Senk V.: ANALYSIS OF INNOVATION FACTORS OF MICRO AND SMALL COMPANIES: A STRATEGIC APPROACH, 3. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Novi Sad: Proceedings of the 3rd nternational Conference on Entrepreneurs, Innovation and Regional Development - ICEIRD 2010, Novi Sad, Faculty of Technical Sciences, Department of Industrial Engineering and Management, 27-29 Maj, 2010, pp. 61-68, ISBN 978-86-7892-250-3

8. Borocki, J., Maksimovic, R.: STRATEGIC PLANNING IN A FUNCTION OF ORGANIZATIONAL INNOVATIVENESS, International Conference on INDUSTRIAL SYSTEMS IS'08, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, 02-03. October, 2008, pp. 415- 420, UDK: 658.5(082), ISBN 978-86-7892-135-3.

	Representative refferences (minimum 5, not more than 10)			
9.	Borocki J., Raskovic V., Senk V.: EDUCATING WOULD-BE AND EXISTING HIGH- TECH ENTREPRENEURS IN THE MARKET AND BUSINESS AREA , 1. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Skoplje: Business Start-up Centre, University "Ss. Ciril and Methodius" - Skopje, 9-11 Maj, 2008, pp. 72-77, ISBN 978-9989-2636-4-4, UDK: 001.896(062),005(062),005.591(062),334.722(062)			
10.	Borocki J.: Doktorska disertacija Naziv: RAZVOJ MODELA STRATEGIJSKOG PLANIRANJA U FUNKCIJI INOVATIVNOSTI PREDUZEĆA, Novi Sad, 2009			
	Summary data for teacher's scientific or art and professional activity:			
Quotation total :	0			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Borovac A. Branislav
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1975
Scientific or art field:	Mechatronics, Robotics and Automation and Integral Systems

Academic carieer	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Magister thesis	1982	Faculty of Technical Sciences - Novi Sad	Robotics and Flexible Automation
Bachelor's thesis	1975	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EM436	Mechatronics	(M30) Energy and Process Engineering, Undergraduate Academic Studies
2.	H102	Fundamentals in Product Development	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1404	Mechatronics	(H00) Mechatronics, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	H308	Industrial Robotics	(H00) Mechatronics, Undergraduate Academic Studies
5.	I600	Industrial Robotics	(F10) Engineering Animation, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	BM116A	Basics of medical robotics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	EM436A	Mechatronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	II1035	Industrial robotics	(I10) Industrial Engineering, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	H1503	Non Industrial Robotics and Automation in Buildings	(H00) Mechatronics, Master Academic Studies
			(I10) Industrial Engineering, Master Academic Studies
10.	HDOK1 S	Selected topics in industrial robotics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	HDOK2 S	Selected topics in non-industrial robotics	(I12) Industrial Engineering, Specialised Academic Studies
12.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
13.	NIT05	Advanced Technology for Material Handling	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
14.	AD0007	Interactive systems in architecture	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
15.	H828	Advanced robotics	(H00) Mechatronics, Master Academic Studies
16.	H829	Advanced robotics	(I10) Industrial Engineering, Master Academic Studies
			(M40) Technical Mechanics and Technical Design, Master Academic Studies
17.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
18.	GD018	Automation and Robotics in Construction	(G00) Civil Engineering, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies

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

	ID	Course name	Study programme name, study type
19.	HDOK-1	Selected Chapters in Industrial Robotics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	HDOK-2	Selected Chapters in Non-Industrial Robotics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	HDOKL1	Selected topics in non-industrial robotics	(H00) Mechatronics, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies
22.	HDOKL2	Selected topics in non-industrial robotics	(H00) Mechatronics, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies
23.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR80	Selected chapters in automation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	M. Vukobratović, V. Potkonjak, K. Babković, B. Borovac, Simulation model of general human and humanoid motion, Multibody System Dynamics, Volume 17, Number 1, (February, 2007), pp. 71-96 (ISSN 1384-5640 (Print) 1573-272X (Online))
2.	Vukobratović M., Borovac B., Potkonjak V., Towards a Unified Understanding of Basic Notions and Terms in Humanoid Robotics, Robotica (2007) Vol. 25, pp. 87-101
3.	Vukobratović M., Borovac B., Potkonjak V., ZMP: A Review of Some Basic Misunder-standings, Int. Jour. of Humanoid Robotics, Vol. 3, No. 2 (2006), pp. 153-176
4.	V. Potkonjak, M. Vukobratović, K. Babković, B. Borovac, General Model of Dynamics of Human and Humanoid Motion: Feasibility, Potentials and Verification, Int. Jour. of Humanoid Robotics, Vol. 3, No. 2 (2006), pp. 21-48
5.	Vukobratović M., Borovac B., Babković K., "Contribution to the Study of Anthropomorphism of Humanoid Robots", Int. Jour. of Humanoid Robotics, Vol. 2, No. 3 (2005), pp. 361-387
6.	Vukobratović M., Borovac B., Note on the Article "Zero-Moment Point- Thirty Five Years of its Life", Int. Jour. of Humanoid Robotics, Vol. 2, No.2, June 2005, pp. 225-227
7.	Vukobratović M., Borovac B., "Zero-Moment Point- Thirty Five Years of its Life", Int. Jour. of Humanoid Robotics, Vol. 1, No.1, March 2004, pp. 157-173
8.	M. Vukobratović, D. Andrić, B. Borovac, "How to Achieve Various Gait Patterns from Single Nominal ", International Journal of Advanced Robotic Systems, Vol. 1., No. 2, Page 99-108, 2004
9.	L. Juhas, A. Vujanić, N. Adamović, L. Nagy, B. Borovac "A Platform for Micro-Positioning Based on Piezo-Legs", The Journal of Mechatronics, Vol. 11, (2001), pp.869-897
10.	M. Vukobratović, D. Andrić, B. Borovac, "Humanoid Robot Motion in Unstructured Environment - Generation of Various Gait Patterns from a Single Nominal ", Cutting Edge Robotics, Edited by V. Kordic, A. Lazanica, M. Merdan, Published by pIV pro literatur Ver-lag Robert Mayer-Scholz, © 2005 Advanced Robotic Systems International, Page 577-598, 2005

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

Quotation total :		1998			
Total of SCI(SSCI) list papers :		35			
Current projects :		Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Bošković M. Dragan
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Information-Communication Systems

Academic carieer	Year	Institution	Field
Academic title election:	2009		Information-Communication Systems
PhD thesis	1991	University of Bath - Bristol	Electrical and Computer Engineering
Magister thesis	1988	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1983	School of Electrical Engineering - Beograd	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.	EM404A	Computer Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	IM1512	Object-oriented Infromation Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
3.	IM1515	Mobile information technologies	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1520	Service-Oriented Architectures	(I20) Engineering Management, Undergraduate Academic Studies
5.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
6.	IM2507	Automation of production systems management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
7.	IM2517	e Government systems	(I20) Engineering Management, Master Academic Studies
8.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies
9.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
10.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Pennock, S.R. Boskovic, D.M. Rozzi, T., Analysis of coupled inset dielectric guides under LSE and LSM polarization', IEEE Transactions on Microwave Theory and Techniques, May 1992 Volume: 40, Issue: 5 On page(s): 916-924 Digital Object Identifier: 10.1109/22.137398
2.	Bourse, D.; El-Khazen, K.; Lee, A.; Grandblaise, D.; Boscovic, D. "Business perspectives of end-to-end reconfigurability", IEEE Wireless Communications, [see also IEEE Personal Communications] Volume 13, Issue 3, June 2006 Page(s):46 – 57.
3.	Demestichas, P.; Stavroulaki, V.; Boscovic, D.; Lee, A.; Strassner, J. 'm@ANGEL: autonomic management platform for seamless cognitive connectivity to the mobile internet', IEEE Communications Magazine, Volume 44, Issue 6, June 2006 Page(s):118 – 127.
4.	Faure, C.; Tin Lin Lee; Boscovic, D., 'UMTS border planning issues', IEEE VTS 53rd Vehicular Technology Conference, 2001. VTC 2001 Spring. Volume 4, 6- 9 May 2001 Page(s):2761 - 2765 vol.4 Digital Object Identifier 10.1109/VETECS.2001.944103.
5.	D. Boscovic, M. Needham, F. Vakil and J. Yang, Low Carbon Economy considerations in designing and operating Content Delivery Networks for VoD ,Journal of Green Engineering, ISSN 1904-4720, River Publishers 2010
6.	Dragan Bošković, Faramak Vakil, Content Delivery Networks for Video on Demand and IPTV Telekomunikacije, Vol 4 December 2009
7.	Bourse, D.; El-Khazen, K.; Lee, A.; Boscovic, D.; Business Models of End-to-End Reconfigurable Systems Vehicular Technology Conference, 2006. VTC 2006-Spring. IEEE 63rd Volume 1, 2006 Page(s):57 - 61 Digital Object Identifier 10.1109/VETECS.2006.1682775
8.	Dragan Boskovic, Vakil Faramak, Milenko Tosic, Stanisa Dautovic Pervasive wireless CDN for greening video streaming to mobile devices ,– MiPRO conference, Opatija 2011

Representative refferences (minimum 5, not more than 10)				
9.	Dragan Boskovic, Vakil Faramak, Milenko Tosic, Stanisa Dautovic, Greening of video streaming to mobile devices by pervasive wireless CDN – Journal of Green Engineering, ISSN 1904-4720, River Publishers 2011			
10.	Ning Xu, Jin Yang, Mike Needham, Dragan Boscovic, Faramak Vakil - Toward the Green Video CDN IEEE/ACM Int'l Conference on Green Computing Hangshou, Zhejiang Province, China, December 18- December 2010			
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	30			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	0	International :	1

Science, arts and professional qualifications

Name and last name:	Ćosić P. Ilija
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	22.12.1972
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1983	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	1979	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1972	Faculty of Mechanical Engineering - Novi Sad	Mechanical Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	M316	Production Systems	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
2.	II1017	Production System Design	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1053	Production Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
5.	IM1039	Fundamentals of Operations management	(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
6.	IM1116	Work Study and Ergonomics	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
7.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
8.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
9.	IMDSPI	Selected Chapters in Design for Excellence	(I12) Industrial Engineering, Specialised Academic Studies
10.	IS001	Effective management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	ZR502	Occupational Risk Assessment	(Z01) Safety at Work, Master Academic Studies
12.	IIDS5	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
13.	IIDS9	Effective Production and Service Systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies

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

	ID	Course name	Study programme name, study type
14.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
15.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
16.	IM2119	Layout and location of the enterprise	(I20) Engineering Management, Master Academic Studies
17.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies
18.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
19.	IMDR31	Effective Production and Service Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
20.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
21.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
22.	IMDRPI	Selected Chapters in Design for Excellence	(F00) Graphic Engineering and Design, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
23.	IMDR5	Selected chapters in enterprise's design, organization and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
26.	ZRD28A	Selected topics in the science of occupational safety	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Ćosić I.: Development of Knowledge-Based Syslem for the Configuralion of Assembly Systems, Knowledge-Based Selection arid Arragement of Parts Bins at Assembly Workplaces (TEBES) - Europian Communities Brusseles, 1991

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: ISSN 1726-9687

3. Pečujlija M., Ćosić I., Ivanišević V.: A professor's moral thinking at the abstract level vs the professor's moral thinking in real life situation (consistency problem), Science and Engineering Ethics, 2011, Vol. 17, No 2, pp. 299-320, ISSN 1353-3452

4. Kirin S., Sedmak A., Grubić-Nešić L., Ćosić I.: Project risk management in complex petrochemical system, Hemijska industrija, 2012, pp. 52-52, ISSN 0354-7531, UDK: doi:10.2298/HEMIND110709052K

5. Lazarević M., Ostojić G., Ćosić I., Stankovski S., Vukelić Đ., Zečević I.: Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248

6. Tešić Z., Lalić D., Ćosić I., Mitrović V.: Integration of information for manufacturing shop control, Strojniski vestnik = Journal of Mechanical Engineering, 2010, Vol. 56, No 3, pp. 217-223, ISSN 0039-2480

7. Stankovski S., Lazarević M., Ostojić G., Ćosić I., Purić R.: RFID Technology in Product/Part Tracking During the Whole Life Cycle , Assembly Automation, 2009, Vol. 29, No 4, pp. 364-370, ISSN 0144-5154

8. 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

9. Sremčev N., Ćosić I., Suzić N., Stevanov B.: APPLICATION OF PLM SYSTEMS IN GROUP TECHNOLOGY APPROACH, 23. DAAAM International Symposium, Zadar: DAAAM International, Vienna, Austria, EU, 2012, 24-27 Oktobar, 2012, pp. 981-984, ISBN 978-3-901509-91-9, UDK: ISSN 2304-1382

10. Zelenović D., Ćosić I., Maksimović R.: IIM - prilaz u razvoju efektivnih proizvodnih sistema za budućnost, Tehnika, 2010, Vol. 65, No 3, pp. 125-133, ISSN 0040-2176, UDK: 322.5:330.352.46

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

Quotation total :	96			
Total of SCI(SSCI) list papers :	15			
Current projects :		Domestic :	2	International :	2

Science, arts and professional qualifications

Name and last name:		Ćulibrk R. Dubravko	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.02.2001	
Scientific or art field:		Information-Communication Systems	

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Computer Engineering
Magister thesis	2003	Faculty of Technical Sciences - Novi Sad	Computer Engineering
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Computer Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	GI100	Computer Practicum	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	IGB340	Fundamentals of Engineering Animation	(F10) Engineering Animation, Undergraduate Academic Studies
3.	II1002	Computer Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1024	Algorithms and Data Structures	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	IM1010	Fundamentals of Information Technologies	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1038	Introduction to Business Intelligence Systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1517	Computer application development	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1522	Algorithms and Data Structures	(I20) Engineering Management, Undergraduate Academic Studies
9.	F402	Electronic Publishing	(F00) Graphic Engineering and Design, Master Academic Studies
10.	IMDS34	Raster and Image Processing Technologies in Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies / (I22) Engineering Management, Specialised Academic Studies
11.	IMDS54	Computer Vision in Industrial Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies / (I22) Engineering Management, Specialised Academic Studies
12.	IMDS55	Data Mining	(I12) Industrial Engineering, Specialised Academic Studies / (I22) Engineering Management, Specialised Academic Studies
13.	MBA411	Business intelligence concepts	(I20) Engineering Management, Specialised Professional Studies / (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MM004	Theory and Practice of Media Communication	(I20) Engineering Management, Specialised Professional Studies
15.	MUO004	Information Systems in Education	(I20) Engineering Management, Specialised Professional Studies
16.	I835	Data mining methods	(I10) Industrial Engineering, Master Academic Studies
17.	I913	Expert systems and tools for knowledge management	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies / (I12) Industrial Engineering, Specialised Academic Studies
19.	IM2519	Advanced Information Technology	(I20) Engineering Management, Master Academic Studies
20.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, 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.	IMDR34	Raster and Image Processing Technologies in Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
22.	IMDR54	Computer Vision in Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
23.	IMDR55	Data Research	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. D. Culibrk, O. Marques, D. Socek, H. Kalva and B. Furht, "Neural Network Approach to Background Modeling for Video Object Segmentation", IEEE Trans. on Neural Networks, September 2007.

2. D. Socek, D. Culibrk, O.F. Marques, H. Kalva and B. Furht, "A Hybrid Color-Based Foreground Object Detection Method for Automated Marine Surveillance", in Proc. Advanced Concepts for Intelligent Vision Systems (ACIVS 2005), Antwerp, Belgium, September 20-23, 2005

3. Ćulibrk, D., Daniel Socek and Michal Sramka: Cryptanalysis of a Symmetric Probabilistic Encryption Scheme Based on Chaotic Attractors of Neural Networks, Tatra Mountains Mathematical Publications, 2007, Vol. 37, str. 75- 91

4. "New approaches to encryption and steganography for digital videos", Daniel Socek, Hari Kalva, Spyros S. Magliveras, Oge Marques, Dubravko Culibrk and Borko Furht, Multimedia systems, vol. 13, No 3, pp.

5. Daniel Socek, Spyros Magliveras, Dubravko Ćulibrk, Oge Marques, Hari Kalva, and Borko Furht: Digital Video Encryption Algorithms Based on Correlation-Preserving Permutations, EURASIP Journal on Information Security, 2007, ISSN 1687-4161. 5.

6. Dubravko Ćulibrk, Borislav Antić, Vladimir Crnojević: Real-time Stable Texture Regions Extraction for Motion-based Object Segmentation, 20th British Machine Vision Conference, BMVC 2009, London, UK: British Machine Vision Association, 7.-10. September, 2009

7. D. Culibrk, M. Mirkovic, V.Zlokolica, M. Pokric, V. crnojevic, D. Kukolj, "Salient Motion Features for Video Quality Assessment", IEEE Trans. on Image Processing, Volume: 20 Issue:4, pp(s): 948 – 958, ISSN: 1057-7149, 2011.

8. J. Radonić, D. Ćulibrk, M. Vojinović-Miloradov, B. Kukić, M. Turk-Sekulić, Prediction Of Gas-Particle Partitioning Of Pahs Based On M5' Model Trees, Thermal Science, No. 1, vol. 15, pp.105-114 , 2011.

9. Mladen Pečujlija, Dubravko Ćulibrk, Why We Believe The Computer When It Lies, Computers in Human Behavior, Volume 28, Issue 1, January 2012, Pages 143–152.

10. D. Ćulibrk, M. Mancas, V. Crnojevic, 2012, "Dynamic Texture Recognition Based on Compression Artifacts", in Towards Advanced Data Analysis by Combining Soft Computing and Statistics in Fuzziness and Soft Computing Volume 285, 2013, pp 253-266.

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	11			
Current projects :	Domestic :	2	International :	4

Science, arts and professional qualifications

Name and last name:	Dudić P. Slobodan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	21.08.1995
Scientific or art field:	Mechatronics, Robotics and Automation and Intelligent Systems

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	1995	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.	H102	Fundamentals in Product Development	(H00) Mechatronics, Undergraduate Academic Studies
2.	H1401	Material Handling Technologies	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
4.	H1504	Computer Integration of Production Systems	(H00) Mechatronics, Undergraduate Academic Studies
5.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
6.	II1011	Automation of work processes 1	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	II1013	Material Handling Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	II1023	Packaging technology	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1038	Automation of work processes 2	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	II1042	Automation of Continual Processes	(I10) Industrial Engineering, Undergraduate Academic Studies
11.	IM1114	Energy Flows in the Enterprise	(I20) Engineering Management, Undergraduate Academic Studies
12.	H505	Implementation of automated systems	(H00) Mechatronics, Master Academic Studies
			(I10) Industrial Engineering, Master Academic Studies
13.	HDOK4 S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
14.	I829	Automation of packaging processes	(I10) Industrial Engineering, Master Academic Studies
15.	I830	Energy efficiency of compressed air systems	(I10) Industrial Engineering, Master Academic Studies
16.	PLM02	Product Development and Management in PLM	(I10) Industrial Engineering, Master Academic Studies
			(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
17.	PLM04	Sustainable Production and LCA	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
18.	LIM34	Material Handling	(LIM) Logistic Engineering and Management, Master Academic Studies
19.	NIT02	Factory Automation	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
20.	NIT05	Advanced Technology for Material Handling	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
21.	BMIM4C	Fluid filtration and separation	(BM0) Biomedical Engineering, Master Academic Studies
22.	I911	Sustainable production	(I10) Industrial Engineering, Master Academic Studies
23.	IIDS27	Selected chapters of the energy efficiency of automated systems	(I12) Industrial Engineering, Specialised Academic Studies
24.	IIDS6	Selected chapters in automation	(I12) Industrial 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
25.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
26.	IMDR86	Selected chapters from energy efficiency of compressed air systems	(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR80	Selected chapters in automation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Šešlija D., Ignjatović I., Dudić S.: Increasing the Energy Efficiency in Compressed Air Systems, Rijeka, InTech, 2012, str. 151-174, ISBN 978-953-51-0800-9
2.	Dudić S., Ignjatović I., Šešlija D., Blagojević V., Miodrag S.: Leakage quantification of compressed air using ultrasound and infrared thermography, MEASUREMENT, 2012, Vol. 45, No 7, pp. 1689-1694, ISSN 0263-2241
3.	Ignjatović I., Šešlija D., Tarjan L., Dudić S.: Wireless sensor system for monitoring of compressed air filters, Journal of Scientific and Industrial Research (JSIR), 2012, Vol. 71, No 5, pp. 334-340, ISSN 0022-4456
4.	Jocanović M., Šević D., Karanović V., Beker I., Dudić S.: Increased Efficiency of Hydraulic Systems Through Reliability Theory and Monitoring of System Operating Parameters, Strojniški vestnik - Journal of Mechanical Engineering, 2012, Vol. 58, No 4, pp. 281-288, ISSN 0039-2480
5.	Dudić S., Ignjatović I., Šešlija D., Blagojević V., Stojiljković M.: Leakage quantification of compressed air on pipes using thermovision, Thermal Science, 2012, Vol. 16, No 2, pp. 621-631, ISSN 0354-9836
6.	Šešlija D., Ignjatović I., Dudić S., Lagod B.: Potential energy savings in compressed air systems in Serbia, African Journal of Business Management, 2011, Vol. 5, No 14, pp. 5637-5645, ISSN 1993-8233
7.	Blagojević V., Šešlija D., Stojiljković M., Dudić S.: Efficient control of servo pneumatic actuator system utilizing by-pass valve and digital sliding mode, Sadhana - Academy Proceedings in Engineering Science, 2012, ISSN 0256-2499
8.	Šešlija D., Ignjatović I., Dudić S.: Compressed air system structure and energy efficiency, 15. Symposium on Thermal Science and Engineering of Serbia, Soko Banja: University of Nis, Faculty of Mechanical Engineering and Society of Thermal Engineers of Serbia, 18-21 Oktobar, 2011, pp. 649-658, ISBN 978-86-6055-018-9
9.	Šešlija D., Dudić S., Ignjatović I.: Cost effectiveness t of pressure regulation on return stroke of pneumatic actuators, 11. International Scientific Conference "Flexible Technologies" - MMA, Novi Sad: Fakultet tehničkih nauka, 20-21 Septembar, 2012
10.	Dudić S., Ignjatović I., Šešlija D.: Usage of non-destructive methods in compressed air system, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences, 14-16 Septembar, 2011, pp. 101-104, ISBN 978-86-7892-341-8

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

Science, arts and professional qualifications

Name and last name:	Duđak D. Ljubica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1991
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1991	Faculty of Technical Sciences - Novi Sad	Engineering Management

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II934	Psichology of Work	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
2.	ISIT05	Introduction to organization and management	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	II1022	Human resources in the process of work	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1031	Enterprise's organization	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1050	Human Resources in the Knowledge Economy	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1912	Human Resource Planning	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1917	Employee Development and Training	(I20) Engineering Management, Undergraduate Academic Studies
8.	S01361	Business decision making	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
9.	HR005	PR Plan Development and Application	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
10.	HR016	Strategije i tehnike odnosa sa javnošću	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	HR017	Corporate Communication Management	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	I076/S	Leadership and change	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
13.	I205/S	Razvoj ljudskih resursa	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	I935/S	Motivating Employees	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
15.	IMDS52	Strategic Development of Human Resources	(I22) Engineering Management, Specialised Academic Studies

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

	ID	Course name	Study programme name, study type
16.	MBA513	leadership development and teamworking	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
17.	MBA515	decision macing and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
18.	MBA524	interculture business communications	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
19.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
20.	IM2121	Corporate governance	(I20) Engineering Management, Master Academic Studies
21.	IM2915	The performance of employees	(I20) Engineering Management, Master Academic Studies
22.	IM2919	Corporate social responsibility	(I20) Engineering Management, Master Academic Studies
23.	IMDS77	Selected Chapters from Human Resource Management	(I22) Engineering Management, Specialised Academic Studies
24.	IMDR52	Strategic Development of Human Resources	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR77	Selected Chapters from Human Resource Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	ZRD234	The strategy of human resource development from the standpoint of safety and health at work	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Lj. Duđak: Strategijski plan razvoja kadrova u preduzeću, Strategijski menadžment, 1996, Vol. 1, No. 4, str. 16- 23, ISSN 0354-8414

2. Lj. Duđak: OBUKA I RAZVOJ ZAPOSLENIH – FUNKCIJA MENADŽMENTA LJUDSKIH RESURSA, 12. Međunarodna naučno-stručna konferencija, Novi Sad: FTN - Institut za industrijsko inženjerstvo i menadžment, 22./23. novembar, 2002, str. 326- 331, UDK: 658.5

3. Lj. Duđak: SELEKCIJA KAO INSTRUMENT MENADŽMENTA LJUDSKIH RESURSA, 13. Međunarodna naučno - stručna konferencija "Industrijski sistemi – IS "05", Herceg Novi, Novi Sad: FTN - Odsek za industrijsko inženjerstvo i menadžment, 07./09. septembar, 2005, str. 725- 732, UDK: 658.5(082), ISBN 86-7780-008-5

4. Duđak Lj.: DEVELOPMENT AND TRAINING OF EMPLOYEES – THE ROAD TOWARDS AN INTELLIGENT BUSINESS, XIV Međunarodna konferencija INDUSTRIJSKI SISTEMI - IS 08 , UDK: 685.5(082)

5. Duđak Lj., Grubić-Nešić L., Andevski M.: Characteristics of Organizational Culture Necessary for Development and Training of Employees, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 552-556, ISBN 978-86-7892-341-8

6. Duđak Lj., Savić-Šikoparija T., Hristić D.: The Importance of Internal and External Communication for the Acceptance and Implementation of Company's Corporate Responsibility, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 563-568, ISBN 978-86-7892-341-8

7. Andevski M., Duđak Lj., Katić (Drezgić) I.: Director Role in Creating Culture Learning Organization at School , 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 456-460, ISBN 978-86-7892-341-8

8. Grubić-Nešić L., Čabrilo S., Duđak Lj.: Istraživanje stavova prema promenama", 9. Međunarodna naučno-stručna konferencija „Na putu ka dobu znanja", Fakultet za menadžment, 2011, UDK: 316.4

9. Hristić D., Grubić-Nešić L., Duđak Lj.: The Differences in Approaching Management by Mangers of Different Gender -an Example from Serbia, African Journal of Business Management, 2011, Vol. 5, No 26, ISSN 1993-8233

10. Grubić-Nešić L., Duđak Lj.: Ljudski resursi i razvoj industrijskog inženjerstva, Beograd, Ekonomski institut, 2011, str. 153-166, ISBN 978-86-7329-086-7

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 :	0

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

	ID	Course name	Study programme name, study type
List of courses being held by the teacher in the accredited study programmes			
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

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:	Gilezan K. Silvia
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.1984
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1993	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1988	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1981	Faculty of Sciences - Novi Sad	Mathematical Sciences

	List of courses being held by the teacher in the accredited study programmes		
	ID	**Course name**	**Study programme name, study type**
1.	GH404	Mathematical Statistics	(G00) Civil Engineering, Master Academic Studies
			(G00) Civil Engineering, Undergraduate Academic Studies
2.	GI303B	Probability and Mathematical Statistics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	IAM003	Formal Mathematical Models	(F10) Engineering Animation, Undergraduate Academic Studies
4.	S011	Mathematics 1	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	Z203	Statistical Methods	(Z01) Safety at Work, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	IM1012	Probability and Statistics	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
7.	0M506	Semantics of Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0M507	Logic in Computer Science	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0M513	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0ML506	Semantics of programming languages	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML507	Logic in computer science	(OM1) Mathematics in Engineering, Master Academic Studies
12.	0ML513	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Master Academic Studies
13.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
14.	GH404	Mathematical Statistics	(G00) Civil Engineering, Master Academic Studies
			(G00) Civil Engineering, Undergraduate Academic Studies
15.	SD0M06	Logic in Computer Science	(GI0) Geodesy and Geomatics, Specialised Academic Studies

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
17.	D0M05	Semantics of Programming Languages	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M06	Logic in Computer Science	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M11	Models of Computation	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M12	Introduction to Functional Programming Languages	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	D0M13	Theory of Mobile Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	D0M14	Process Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
23.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (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
24.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	"Inhabitation in lambda calculus with intersection and union types", Journal of Logic and Computation 6 (1993) 671-685, Oxford University Press
2.	"Characterizing strong normalization in the Curien-Herbelin symmetric lambda calculus: extending the Coppo-Dezani heritage, (sa D.Dougherty, P.Lescanne) Theoretical Computer Science 2007
3.	"Separating Points by Parallel Hyperplanes " (sa J. Pantovic, J. Zunic), IEEE Transactions of Neural Networks 18(5) (2007) 1356-1363
4.	"Lambda terms for natural deduction, sequent calculus and cut elimination" (sa H.P.Barendregt), Journal of Functional Programming, 10 (2000) 121-134.
5.	"Confluence of untyped lambda calculus via simple types" (with V.Kuncak), ICTCS"01, Lecture Notes in Computer Science 2201, 38-49.
6.	"Full intersection types and topologies in lambda calculus", Journal of Computer and System Sciences, 62 (2001) 1-14.
7.	"Behavioural inverse limit lambda models" (sa M. Dezani-Ciancaglini, S. Likavec), Theoretical Computer Science Vol 316/1-3 (2004) 49-74.
8.	"Strong normalization of the classical sequent calculus" (sa D. Dougherty, P. Lescanne, S.Likavec), Lecture Notes in Computer Science 3835 (2005) 169-183.
9.	"Security types for dynamic web data" (sa M.Dezani-Ciancaglini, J. Pantovic), Trustworthy Global Computing, TGC"06, Lecture Notes in Computer Science 4661 (2007) 263-280.
10.	Zbirka rešenih zadataka iz statistike (sa Z.Lužanin, Z.Ovcin, Lj.Nedović, T.Grbić, B.Mihailović) 2005

Summary data for teacher's scientific or art and professional activity:	
Quotation total :	325

Datum: 18.12.2012

Total of SCI(SSCI) list papers :	17			
Current projects :	Domestic :	2	International :	4

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:	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:	Gvozdenac D. Dušan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.06.1973
Scientific or art field:	Thermal Energetics and Thermotechnics

Academic carieer	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
PhD thesis	1981	Faculty of Mechanical Engineering - Beograd	Thermal Energetics and Thermotechnics
Magister thesis	1978	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
Bachelor's thesis	1973	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EOS38	Energetski menadžment	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
2.	M119	Energy Transformations	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
3.	M222A	Energy System Engineering	(M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3311	Renewable Energy Sources	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
5.	M3501	Refrigeration Devices	(M30) Energy and Process Engineering, Undergraduate Academic Studies
6.	Z206	Alternative Power Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	Z206A	Alternative Energy Sources	(Z01) Safety at Work, Undergraduate Academic Studies
8.	Z206	Alternativna energetika(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	E2313	Fundamentals of Process and Energy Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	II1044	Energy flows and energy efficiency	(I10) Industrial Engineering, Undergraduate Academic Studies
11.	M211	Measurement and Regulation	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	M3031	Engineering Calculations of Energy Technologies Apparatus and Equipment	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
13.	M3494	Energy efficiency	(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
14.	I939	Merenje, nadzor i upravljanje	(M50) Energy Management, Master Academic Studies
15.	IMDS78	Odabrana poglavlja iz energetskog menadžmenta(uneti naziv na engleskom)	(I22) Engineering Management, Specialised Academic Studies
16.	M3503	Dinamika i modeliranje termoenergetskih postrojenja(uneti naziv na engleskom)	(M30) Energy and Process Engineering, Master Academic Studies
17.	M3M07	Energy storage	(ZC0) Clean Energy Technologies, Master Academic Studies
18.	M5022	Renewable energy sources	(M50) Energy Management, Master Academic Studies
19.	SZSP24	Savremeni principi energetskog menadžmenta	(Z00) Environmental Engineering, Specialised Academic Studies
20.	DM216	Energy Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
21.	DM217	Energy Management in Idustry	(M00) Mechanical Engineering, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
List of courses being held by the teacher in the accredited study programmes			
22.	DM218	Contemporary Energy Technologies	(M00) Mechanical Engineering, Doctoral Academic Studies
23.	DM219	Energy Politics	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	DM302	Engineering Experimental Methods	(H00) Mechatronics, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
25.	DM309	Energy Management Methods	(M00) Mechanical Engineering, Doctoral Academic Studies
26.	DM332	Energy Management in Buildings	(M00) Mechanical Engineering, Doctoral Academic Studies
27.	DM333	Renewable Energy Resoruces	(M00) Mechanical Engineering, Doctoral Academic Studies
28.	ZSP24	Modern Principles of Energy Management	(Z00) Environmental Engineering, Doctoral Academic Studies
29.	IMDR78	Odabrana poglavlja iz energetskog menadžmenta(uneti naziv na engleskom)	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Energy Efficiency in Food Processing Industry – East European Experience, edited by D. Gvozdenac, UNDP/UNIDO Project DP/RER/83/003, Novi Sad, pp. 123, 1991.
2.	Conterporary problems in Power Engineering (monograph), Novi Sad/Thesaloniki, Gvozdenac D, Xypteras J, Dimić M. 1996.
3.	Measurement and regulation (Selected chapters for operators of large power plants), Institute of energy and process engineering, Novi Sad, Gvozdenac, D, Pešenjanski, I,1980. (in Serbian).
4.	Measurement and Regulation in Thermal Engineering, Faculty of Technical Sciences, Gvozdenac, D, Novi Sad, 2000. (in Serbian).
5.	Bilansiranje energetskih tokova, Pokrajinski centar za energetku efikasnost, Gvozdenac, D., Marić, M., Petrović, J., Novi Sad, 2006.
6.	Gvozdenac D, Menke C, Vallikul P, Petrovic J, Gvozdenac B: Assessment of potential for natural gas-based cogeneration in Thailand, Energy, Volume 34, Issue 4, 2009, pp 465-475
7.	A Mathematical Model for Heat Transfer in Combustion Chambers of Steam Generators, Gulič, M, Gvozdenac, D, Transactions of the ASME Journal of Engineering for Power, Vol. 103, 1981, pp. 545 – 551.
8.	Somcharoenwattana W, Menke C, Kamolpus D, Gvozdenac D: Study of Operational Parameters Improvement of Natural-Gas Cogeneration Plant in Public Buildings in Thailand, Energy and Buildings, Vol. 43, Issue 4, April, 2011. p. 925-934
9.	Two-pass counter cross-flow heat exchangers with both fluids unmixed throughout, Gvozdenac, D, Waerme - und Stoffuebertragung, Vol. 20, 1986, pp. 151 – 161.
10.	Analytical Solution of the Transient Response of Gas-to-Gas Cross-flow Heat Exchanger With Both Fluids Unmixed, Gvozdenac, D.D, ASME Journal of Heat Transfer, Vol. 108, 1986, pp. 722-727.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	71			
Total of SCI(SSCI) list papers :	26			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Heraković S. Niko
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	University of Ljubljana - Ljubljana
	01.01.2007
Scientific or art field:	Mechatronics, Robotics and Automation and Integral Systems

Academic carieer	Year	Institution	Field
Academic title election:	2012		Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1995	University of Ljubljana - Ljubljana	Mechanical Engineering
Magister thesis	1991	University of Ljubljana - Ljubljana	Mechanical Engineering
Bachelor's thesis	1988	University of Ljubljana - Ljubljana	Mechanization and Constructional Mechanical Engineering

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

	ID	Course name	Study programme name, study type
1.	EOS19	Dismantling and recycling technologies	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
2.	H105	Fundamentals in Computer science	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1410	Programming and application of programmable logic controllers	(H00) Mechatronics, Undergraduate Academic Studies
4.	BMI106	Rehabilitation devices and systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	IM1116	Work Study and Ergonomics	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
6.	IMDS56	Product traceability during the lifetime	(I12) Industrial Engineering, Specialised Academic Studies
7.	IMDS57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I12) Industrial Engineering, Specialised Academic Studies
8.	IMDS93	Virtual Enterprises and Collaborative Systems	(I22) Engineering Management, Specialised Academic Studies
9.	H799	Fieldbuses and protocols	(H00) Mechatronics, Master Academic Studies
10.	H828	Advanced robotics	(H00) Mechatronics, Master Academic Studies
11.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies
			(PM0) Production Engineering, Master Academic Studies
12.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
13.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies
			(M50) Energy Management, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
14.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies
			(M50) Energy Management, Master Academic Studies
15.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	IMDR93	Virtual Enterprises and Collaborative Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Simic, M.a, Herakovic, N.a, Juschka, K.b, Pätzold, M.b, Flow characteristic curves for valve simulation: Using the hydraulically axial-notched longitudinal slide valves as example [Durchflusskennlinien für die ventilsimulation - Am Beispiel axialgekerbter hydraulischer Längsschieberventile], Olhydraulik und Pneumatik, Volume 56, Issue 3, March 2012, Pages 27-31, ISSN: 03412660
2.	DEBEVEC, Mihael, HERAKOVIČ Niko. Management Of Resources In Small And Medium-Sized Production Enterprises. Iranian Journal of Science and Technology. 51/79. (Article will be published in october 2010 – Enclosure 6 – Certificate of the paper received for publication)
3.	HERAKOVIČ, Niko, BEVK, Tomaž. Analysis of the material and the actuator influence on the characteristics of a pneumatic valve = Analiza vpliva materiala in aktuatorjev na lastnosti pnevmatičnega ventila. Mater. tehnol., 2010, letn. 44, št. 1, str. 37-40. [COBISS.SI-ID 11304219]

	Representative refferences (minimum 5, not more than 10)
4.	MERWE, Jacob D. van der, MINARIK, Martin, BEROVIČ, Marin, HERAKOVIČ, Niko. Heat transfer in citric acid production with axial and radial flow impellers. Acta chim. slov.. [Tiskana izd.], 2010, vol. 57, no. 1, str. 150-156. http://acta.chemsoc.si/57/57-1-150.pdf. [COBISS.SI-ID 33809925]
5.	HERAKOVIČ, Niko, ŠIMIC, Marko, TRDIČ, Francelj, SKVARČ, Jure. A machine-vision system for automated quality control of welded rings. Mach. vis. appl., 2010, 15 str., doi: 10.1007/s00138-010-0293-9. ISSN 0932-8092. [COBISS.SI-ID 11512091], [JCR], 126/245
6.	HERAKOVIČ, Niko. Flow-force analysis in a hydraulic sliding-spool valve. Strojarstvo, 2007, letn. 49, št. 3, str. 117-126. [COBISS.SI-ID 10449691]
7.	HERAKOVIČ, Niko. Računalniški in strojni vid v robotizirani montaži = Computer and machine vision in robot-based assembly. Stroj. vestn., 2007, letn. 53, št. 12, str. 858-873. ISSN 0039-2480. [COBISS.SI-ID 10378267], [JCR, WoS], 100/107
8.	HERAKOVIČ, Niko, NOE, Dragica. Analiza delovanja pnevmatičnega ventila s predkrmilnim piezoventilom = Analysis of the operation of pilot-stage piezo-actuator valves. Stroj. vestn., 2006, letn. 52, št. 12, str. 835-851. [COBISS.SI-ID 9821723]
9.	Bogoeva-Gaceva, G., Dimeski, D., Heraković, N. , Effect of sonication applied during production of carbon fiber/epoxy resin composites evaluated by differential scanning calorimetry and thermo-gravimetric analysis, Macedonian Journal of Chemistry and Chemical Engineering, Volume 30, Issue 2, ISSN: 18575552, 2011, Pages 189-196
10.	HERAKOVIČ, Niko, DUHOVNIK, Jože, NOE, Dragica. Sila trenja v pnevmatičnem valju = Friction force in the pneumatic cylinder. Stroj. vestn., okt.-dec. 1992, let. 38, št. 10/12, str. 279-288, ilustr. [COBISS.SI-ID 62843136]

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	11			
Total of SCI(SSCI) list papers :	13			
Current projects :	Domestic :	1	International :	3

Science, arts and professional qualifications

Name and last name:	Ivandić I. Željko
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	2002	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Magister thesis	1996	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Bachelor's thesis	1990	Mechanical Engineering Faculty - Slavonski Brod - Slavonski Brod	Mechanical Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H102	Fundamentals in Product Development	(H00) Mechatronics, Undergraduate Academic Studies
2.	H105	Fundamentals in Computer science	(H00) Mechatronics, Undergraduate Academic Studies
3.	H109	Fundamentals in Programming	(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.	H308	Industrial Robotics	(H00) Mechatronics, Undergraduate Academic Studies
8.	II1015	Programmable Logic Controllers (PLC)	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1048	Artificial intelligence in engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	H301	System Modeling and Symulation	(H00) Mechatronics, Master Academic Studies
11.	HDOS12	Research in the area of automatic identification technology	(I12) Industrial Engineering, Specialised Academic Studies
12.	HDOS13	Motion control and application of MEMS	(I12) Industrial Engineering, Specialised Academic Studies
13.	HDOS14	Nonindustrial automation	(I12) Industrial Engineering, Specialised Academic Studies
14.	PLM09	Systems and Devices for Tracking Products Through Life Cycle	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
15.	NIT06	Advanced Technologies for Manufacturing Support	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
16.	H845	Motion control	(H00) Mechatronics, Master Academic Studies
			(I10) Industrial Engineering, Master Academic Studies
17.	I903	Application of microelectromechanical systems	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
19.	IM2516	Artificial Intelligence in Engineering	(I20) Engineering Management, Master Academic Studies
20.	IM2721	Systems for detection, alarming and warning	(I20) Engineering Management, Master Academic Studies
21.	HDOK12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
22.	HDOK13	Motion control and the application of MEMS	(H00) Mechatronics, Doctoral Academic Studies
23.	HDOK14	Non-industrial Automation	(H00) Mechatronics, Doctoral Academic Studies
24.	HDOK-3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
25.	HDOKL3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
26.	HDOL12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
27.	HDOL13	Motion controla and application of MEMS	(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		
	ID	Course name	Study programme name, study type
28.	HDOL14	Nonindustrial automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Brillová, K., Ohlídal, M., Valíček, J., Hloch, S., Kozak, D., Ivandić, Z. Evaluation of abrasive waterjet produced titan surfaces topography by spectral analysis techniques (2012) Metalurgija, 51 (1), pp. 39-42.
2.	Kozak, D., Ivandić, Z., Kontajić, P. Determination of the critical pressure for a hot-water pipe with a corrosion defect [Določitev kritičnega pritiska v vročevodni cevi s korozijsko poškodbo] (2010) Materiali in Tehnologije, 44 (6), pp. 385-390.
3.	Balicević, P., Ivandić, Z., Kraljević, D. Temperature transitional phenomena in spherical reservoir wall (2010) Tehnicki Vjesnik, 17 (1), pp. 31-34.
4.	Ivandić, Z., Ergić, T., Kljajin, M. Welding robots kinematic structures evaluation of based on conceptual models using the potential method (2009) Tehnicki Vjesnik, 16 (4), pp. 35-45.
5.	Ergić, T., Ivandić, Ž. Ultra-light telescopic crane/platform mechanisms feature analysis (2009) Tehnicki Vjesnik, 16 (4), pp. 87-91.
6.	Ivandić, Ž., Ergić, T., Kokanović, M. Conceptual model and evaluation of design characteristics in product development (2009) Strojarstvo, 51 (4), pp. 281-291.
7.	Hlaváček, P., Valíček, J., Hloch, S., Greger, M., Foldyna, J., Ivandić, Z., Sitek, L., Kušnerová, M., Zeleňák, M. Measurement of fine grain copper surface texture created by abrasive water jet cutting (2009) Strojarstvo, 51 (4), pp. 273-279.
8.	Radvanská, A., Ergić, T., Ivandić, Ž., Hloch, S., Valicek, J., Mullerova, J. Technical possibilities of noise reduction in material cutting by abrasive water-jet (2009) Strojarstvo, 51 (4), pp. 347-354.
9.	Kušnerová, M., Valíček, J., Hloch, S., Ergić, T., Ivandić, Z. Derivation and measurement of the velocity parameters of hydrodynamics oscillating system (2008) Strojarstvo, 50 (6), pp. 375-379.
10.	Dunder, M., Ivandić, Ž., Samardžić, I. Selection of arc welding parameters of micro alloyed HSLA steel (2008) Metalurgija, 47 (4), pp. 325-330.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	14			
Total of SCI(SSCI) list papers :	13			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Ivanišević V. Andrea
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2005
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2005	Faculty of Economics - Subotica	Economic Science

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

	ID	Course name	Study programme name, study type
1.	F108	Sociology of Culture	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	M317	Economy	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	S002A	Economics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	II121	Principles of economics	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	II1047	Analysis and calculation of production costs	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	IM1004	Principles of economics	(I20) Engineering Management, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	IM1014	Company Economics	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1047	Planning and enterprises performance analysis	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1422	Managing the cost of production	(I20) Engineering Management, Undergraduate Academic Studies
10.	IMDS88	Planning and implementing cost structure of the investment cycle	(I22) Engineering Management, Specialised Academic Studies
11.	Z513A	Economics and the environmental protection	(Z20) Environmental Engineering, Master Academic Studies
12.	Z513	Ekonomija i zaštita životne sredine(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
13.	IM2122	The rating company profitability	(I20) Engineering Management, Master Academic Studies
14.	IM2415	Investment Environment	(M50) Energy Management, Master Academic Studies
			(OM1) Mathematics in Engineering, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
15.	IM2417	Managing individual property	(I20) Engineering Management, Master Academic Studies
16.	IM2421	Manage the budget for development investment	(I20) Engineering Management, Master Academic Studies
17.	IM2425	Economics of the Firm	(M50) Energy Management, Master Academic Studies
18.	IMDR88	Planning and implementing cost structure of the investment cycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

	Representative refferences (minimum 5, not more than 10)
1.	Leković B., Ivanišević A., Marić B., Demko-Rihter J.: ASSESSMENT OF THE MOST SIGNIFICANT IMPACTS OF ENVIRONMENT ON THE CHANGES IN COMPANY COST STRUCTURE, Economic Research, 2013
2.	Milovanović Z.N., Knežević D., Ivanišević A., Jocanović M., Mitrović S.: ECONOMICAL EVALUATION OF THE PROJECT ON REPLACEMENT OF HEATING PLANT WITH CO-GENERATION HEAT AND POWER PLANT BY THE END OF 2030., Metalurgia International, 2013, No.4
3.	Marić B., Ivanišević A.: THE EFFECT OF PERMANENT WORKING CAPITAL ON THE QUALITY OF INVESTMENT PROJECTS, Metalurgia International, 2013
4.	Marić B., Ivanišević A., Mitrović S., Sreto A., Mihailo R.: Analysis of internal rate of return on investments: Dynamic and static approach, African Journal of Business Management, 2011, Vol. 5, No 8, pp. 3269-3273, ISSN 1993-8233
5.	Katić I, Ivanišević A., Penezić N., Lalić G., Tasić N.: EFFECTS OF FATIGUE TO OPERATIONAL PRODUCTIVITY WITH EMPLOYEES, Metalurgia International, 2013
6.	Mitrović S., Milisavljević S., Ćosić I., Leković B., Grubić-Nešić L., Ivanišević A.: Change in leadership styles in a transitional economy: A serbian case study, African Journal of Business Management, 2011, Vol. 5, No 9, pp. 3563-3569, ISSN 1993-8233
7.	Alpar Lošonc, Andrea Ivanišević, Slavica Mitrović „ Globalizacija-rešenja i dileme" Monografija, Fakultet tehničkih nauka, Novic Sad, 2009. (ISBN 978-86-7892-207-7, COBISS.SR-ID 244134407. (1-263)
8.	Lošonc (Losoncz) A., Ivanišević A., Mitrović S.: Strukturalna kriza: forme i uzroci, Novi Sad, Fakultet tehnickih nauka, , 2012, str. 1-232, ISBN 978-86-7892-375-3, UDK: 268964871
9.	Razvoj sistema za planiranje praćenje i uskalđivanje ključnih segmenata poslovanja industrijskog distema u skaldu sa promena u okruženju, Fakultet tehničkih nauka Novi Sad, 2011
10.	Lošonc A., Radivojević R., Ivanišević A., Pejić S.: TOYOTISM AS A BASIS FOR CORPORATE CULTURE AND WORK ORGANIZATIONS, 1st International Scientific Conference on Lean Tehnologies, Novi Sad, Sertember 2012., pp. 100-106

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	3	International :	0

Science, arts and professional qualifications

Name and last name:			Jocanović T. Mitar	
Academic title:			Assistant Professor	
Name of the institution where the teacher works full time and starting date:			Faculty of Technical Sciences - Novi Sad	
			15.03.1999	
Scientific or art field:			Quality, Effectiveness and Logistics	
Academic carieer	Year	Institution		Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad		Quality, Effectiveness and Logistics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad		Quality, Effectiveness and Logistics
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad		Mechanical Engineering
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad		Mechanical Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
2.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
3.	I401	Tribology	(M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	URZP17	Devices and systems in fire protection	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP40	Stationary Systems for Fire Extinguishing	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	URZP45	Mobile Equipment and Fire Extinguishing Equipment	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	II1011	Automation of work processes 1	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	II1038	Automation of work processes 2	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1050	TRIBOLOGY AND LUBRICATION	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	IM1008	Processes and Work Equipment	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
11.	IMDS58	Selected Chapters in Hydraulic Systems	(I12) Industrial Engineering, Specialised Academic Studies
12.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	ZP507	Design and Maintenance of Stationary Fire Extinguishing Systems	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
14.	ZP512	Protection and Rescue Plans	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
15.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
16.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
17.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
18.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
19.	IMDR58	Selected Chapters in Hydraulic Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
20.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
21.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

	ID	Course name	Study programme name, study type
22.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
23.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

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

Representative refferences (minimum 5, not more than 10)

1.	V. Savić, D. Knežević, D. Lovrec, M. Jocanović, Velibor Karanović: Determination of Pressure Losses in Hydraulic Pipeline Systems by Considering Temperature and Pressuer, Strojšnik Vestnik-Journal of Mechanical Engineering, 2009, Vol. 55, No. 4, str.237-243, UDK: 621.643, ISSn 0039-2480
2.	M. Jocanović, D. Šević, V. Karanović, I. Beker, S. Dudić: Increased efficiency of hydraulic systems through reliability theory and monitoring of system operating parameters,Strojšnik Vestnik-Journal of Mechanical Engineering, 2012, Vol. 58, No. 4, str.281-288, UDK: 621.643, ISSN 0039-2480
3.	Z.Milovanović, D. Knežević,A. Ivanišević, M. Jocanović, S. Mitrović:ECONOMICAL EVALUATION OF THE PROJECT ON REPLACEMENT OF HEATING PLANT WITH CO-GENERATION HEAT AND POWER PLANT BY THE END OF 2030 , Metalurgia International, 2013, No4,
4.	M. Jocanović, V. Savić, V. Karanović,: MODEL FOR TRANSLATION OF CLASSES OF PURITY OF OILS BETWEEN ISO 4406/99, NAS 1638-01 AND SAE AS 4059: D STANDARDS, 14. Međunarodna naučna konferencija INDUSTRIJSKI SISTEMI - IS"08, Novi Sad: Fakultet tehničkuh nauka - Novi Sad, 2-3 Oktobar, 2008, str. 391- 396, UDK: 685.5 (082), ISBN 978-86-7892-135-3.
5.	M. Jocanović; PRILAZ ISTRAŽIVANJU I DEFINISANJU MODELA ZA PRORAČUN PROTICANJA ČVRSTIH ČESTICA SA ULJNOM MASOM KROZ ZAZORE U FUNKCIJI KONSTRUKCIONO RADNIH PARAMETARA HIDRAULIČNIH KOMPONENATA, Doktorska disertacija
6.	M.Jocanović; RAZVOJ INTEGRALNOG MODELA ZA IZBOR I DIJAGNOSTIKU MINERALNIH HIDRAULIČKIH ULJA; Magistrarski rad iz oblasti problematike vezane za izbor i dijagnostikovanje mineralnih hidrauličkih ulja u hidrauličkim sistemima
7.	M.Jocanović, D.Babić, V.Karanović, R.Geaverts: Industrial Aplication of Automatic Lubrication Systems, Fluid Power 2011, str. 409-418, Mašinski fakultet univerziteta u Mariboru, Slovenija: 2011, UDK 621.51/54 (082), ISBN 978-961-248-290-9
8.	V. Savić, V. Karanović, M. Jocanović, D. Knežević: Pressure drop in hydraulic pipeline system - Identification of real basis for calculation of mineral hydraulic oil flow, Fluid Power 2009, str. 133-148, Mašinski fakultet univerziteta u Mariboru, Slovenija: 2009, UDK 621.51/54 (063)(082), ISBN 978-961-248-176-6
9.	V. Savić, M. Jocanović, D.Knežević, M.Kraišnik; KINEMATICS OF DISTRIBUTION OF PRESSURE WITHIN PIPELINE OF TWO'LINE SYSTEMS FOR LUBRICATION, VII TH INTERNATIONAL SYMPOSIUM INTERTRIBO 2002, str. 141 – 143, Stara Lesna, Slovak Republic (2002),
10.	V.Savić, M. Jocanović, V. Karanović: BASIC CONSTRUCTION MODEL OF THE SYSTEM FOR PROTECTION OF FRUIT TREES FROM FROST BY ICE PROTECTIVE CRUST, 14. Međunarodna naučna konferencija INDUSTRIJSKI SISTEMI - IS"08, Novi Sad: Fakultet tehničkuh nauka - Novi Sad, 2-3 Oktobar, 2008, str. 129- 134, UDK: 685.5 (082), ISBN 978-86-7892-135-3.

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

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

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.	HDOK2 S	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

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

	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

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:	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:	Kamberović L. Bato
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.03.1979
Scientific or art field:	Quality, Effectiveness and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
PhD thesis	1996	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1985	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1978	Faculty of Technical Sciences - Novi Sad	Engineering Management

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

	ID	Course name	Study programme name, study type
1.	II1014	Product measurement and control techniques	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1036	Methods and techniques of quality improvement	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1050	TRIBOLOGY AND LUBRICATION	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1020	Quality Management System	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1606	Designing, Auditing and Analyses of Quality Management System	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1612	Methods and techniques of quality system improvements	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1613	Product measurement and control techniques	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1616	Quality planning	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1617	Quality Managament System in Service Provision	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM1619	Quality and Procurement	(I20) Engineering Management, Undergraduate Academic Studies
11.	I503	Models of Excellence in Quality Management Systems	(I10) Industrial Engineering, Master Academic Studies
12.	I504	Integrated Management Systems	(I10) Industrial Engineering, Master Academic Studies
13.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
14.	I309	Quality Management System	(LIM) Logistic Engineering and Management, Master Academic Studies
15.	LIM18	Life Cycle Costs and Supply	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	LIM21	Total Quality Management and Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
17.	I843	Maintenance effectiveness	(H00) Mechatronics, Master Academic Studies
			(I10) Industrial Engineering, Master Academic Studies
18.	I912	Process approach and quality	(I10) Industrial Engineering, Master Academic Studies
19.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
20.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, 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.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
22.	IM2613	Models of Excellence in Quality Management Systems	(I20) Engineering Management, Master Academic Studies
23.	IM2614	Integrated Management Systems	(I20) Engineering Management, Master Academic Studies
24.	IM2616	Product and service quality improvement - lean six sigma	(I20) Engineering Management, Master Academic Studies
25.	IM2623	Total Quality Management	(I20) Engineering Management, Master Academic Studies
26.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
27.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
28.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
30.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
32.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
33.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
34.	ZRD212	Integrating occupational health and safety requirements into management systems	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Delić M., Radlovački V., Kamberović B., Vulanović S., Hadžistević M., Tasić N.: ESTIMATES OF QUALITY MANAGEMENT SYSTEMS IN SERBIA , Metalurgia international, 2013, No 4, ISSN 1582-2214

2. Jovanović R., Radlovački V., Pečujlija M., Kamberović B., Delić M., Grujić J.: Assessment of blood donors' satisfaction and measures to be taken to improve quality in transfusion service establishments, Medicinski glasnik (BiH), 2012, Vol. 9, No 2, pp. 231-237

3. Radlovački V., Pečujlija M., Kamberović B., Jovanović R., Delić M., Beker I.: SATISFACTION OF HIGH SCHOOL STUDENTS WITH THE APPLICABILITY OF THEIR KNOWLEDGE, TTEM. Tehnics tehnologies education management, 2012, Vol. 7, No 2, pp. 777-785, ISSN 1840-1503

4. Radlovački V., Beker I., Majstorović V., Pečujlija M., Stanivuković D., Kamberović B.: Quality Managers' Estimates of Quality Management Principles Application in Certified Organisations in Transitional Conditions - Is Serbia Close to TQM, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 851-861, ISSN 0039-2480

5. B. Kamebrović: MODEL INTEGRALNOG SISTEMA ZA UPRAVLjANjE KVALITETOM, Univerzitet u Novom Sadu, Institut za industrijske sisteme i IIS - Istraživački i tehnološki centar, Novi Sad, 199 strana, 1998.

6. Kamberović B., Kecojević S.: ISO 9000 I ODRŽAVANjE , Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme

7. Kamberović B., Radaković N.: QFD METODA , Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme

8. Kamberović B., Radlovački V.: SISTEM UPRAVLJANJA KVALITETOM - ZAHTEVI u knjizi: Dr Vojislav Vulanović, Dragutin Stanivuković, Bato Kamberović, R. Maksimović, Nikola Radaković, V. Radovački, M. Šilobad: SISTEM KVALITETA ISO 9001:2000, Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme i IIS-Istraživački i tehnološki centar, 2007, str. 39-50, ISBN 978-86-907041-3-2, UDK: 005.336.3 006.83

9. Vojislav V., Kamberović B.: KONTROLNE KARTE u knjizi: Dr Vojislav Vulanović, Dragutin Stanivuković, Bato Kamberović, R. Maksimović, Nikola Radaković, V. Radovački, M. Šilobad: METODE I TEHNIKE UNAPREĐENJA PROCESA RADA - STATISTIČKE * INŽENJERSKE * MENADŽERSKE, Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme i IIS-Istraživački i tehnološki centar, 2003, str. 60-120, UDK: 658.5

10. 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

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	0	International :	0

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

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.	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)

	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:	Krsmanović B. Cvijan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.05.1981
Scientific or art field:	Information-Communication Systems

Academic carieer	Year	Institution	Field
Academic title election:	2004	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	1994	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Magister thesis	1986	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Bachelor's thesis	1981	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.	II1003	Product development and design	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1005	Computer Aided Product Design and Analysis	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1018	Design of Information Systems	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1039	Resource planning systems in manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	II1049	Manufacturing documentation management (DMS)	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	IM1029	Information and communication systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1048	Enterprise resource planning systems	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1513	Management of information systems development	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1521	Business document management systems	(I20) Engineering Management, Undergraduate Academic Studies
10.	ZC014	Information technologies in energetic management	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
11.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
12.	IMDS33	Structures of Modern Information and Communication Systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	IMDS34	Raster and Image Processing Technologies in Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
14.	IMDS37	CAE/CAD/CAM and CIM Concepts and Systems	(I12) Industrial Engineering, Specialised Academic Studies
15.	MUO004	Information Systems in Education	(I20) Engineering Management, Specialised Professional Studies
16.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
17.	IM2507	Automation of production systems management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
18.	IM2514	Software Quality Assurance	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IM2521	Distance Learning and Remote Work	(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
20.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies
21.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
22.	IMDR33	Structures of Modern Information and Communication Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
23.	IMDR34	Raster and Image Processing Technologies in Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR37	CAE/CAD/CAM and CIM Concepts and Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Bojanić, P., Krsmanović, C.: Paths and Crossroads in CAx Technologies Implementation in Engineering at the End of 2nd Millennium, International Journal of INDUSTRIAL SYSTEMS, Vol. 2, Institute of Industrial Systems Engineering, Novi Sad, October 1999, p.p. 69 - 76;

2. Krsmanović, C., Lukić, B.: Jedan prilaz automatizaciji projektovanja i izgradnje unikatnih tehničkih sistema; Naučno - stručna konferencija o konstruisanju, oblikovanju i dizajnu KOD 2002, Zbornik radova, Novi Kneževac, maj 2002., p.p. 31 - 36;

3. Krsmanović, C., Stefanović, D.: Strategic Planning of Data Protection and Data Access After Catastrophic Events; 6th International Symposium INTERDISCIPLINARY REGIONAL RESEARCH (Hungary, Romania, Yugoslavia), Proceedings, Novi Sad, September 2002;

4. Krsmanović, C., Simić, M.: Osnove razvoja i projektovanja multifunkcijskih i inteligentnih tehničkih sistema; XII međunarodna konferencija INDUSTRIJSKI SISTEMI - IS'02, Zbornik radova, Vrnjačka Banja, novembar 2002., p.p. 373 - 380;

5. Krsmanović, C.: AUTOMATIZACIJA PROJEKTOVANJA U INDUSTRIJSKOM INŽENJERSTVU, knjiga I: Principi i sredstva automatizacije projektovanja predmeta rada u industrijskim proizvodnim sistemima; univerzitetski udžbenik, januar 1997., Fakultet tehničkih nauka, Novi Sad;

6. Krsmanović, C.: Information Technologies on the Start of 21st Century - Stage, Challenges and Perspectives; XIII Scientific Conference on Industrial Systems - IS'05, Herceg Novi, September 2005, Proceedings, p.p. 287 - 300;

7. Bojanič, P. O., Maneski, T., Krsmanovič, C.: Moduljnij princip proektirovanija s pomošćju EVM, štampani izvod, Referativnij žurnal vesesojuznogo komiteta po nauki i informatiki SSSR, strana 17., UDK 621.9.06.001.63.681.142, broj 12A129, Moskva, 1985.

8. Mogin, P., Krsmanović, C., Luković, I., Brkić, M. : Basic Elements of the IIS* Approach to Information Systems and Database Design, International Journal of INDUSTRIAL SYSTEMS, Vol. 1, Institute of Industrial Systems Engineering, Novi Sad, Yugoslavia, December 1998.

9. Bojanić, P., Krsmanović, C. : Paths and Crossroads in CAx Technologies Implementation in Engineering at the End of 2nd Millennium, International Journal of Industrial Systems Engineering, Novi Sad, Yugoslavia, October 1999., p.p. 69 - 76

10. Radaković, N., Maksimović, R., Krsmanović, C. : Struktura radova u procesu industrijskog projektovanja - podloge za uvođenje automatizacije (CAD/CAM tehnologije), stručni časopis PROIZVODNJA, broj 12, p.p. 18 - 31, Beograd, 1980.

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	7			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	1	International :	2

Science, arts and professional qualifications

Name and last name:	Lalić P. Bojan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	17.06.2002
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2011		Production Systems, Organization and Management
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2001	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EOS39	Projektni menadžment	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
2.	II1017	Production System Design	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1019	Project Management	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1019	Commercial Processes	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1026	E-Business	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
7.	IM1046	Structural and Development Projects	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1104	Strategic Management	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1106	Business Process Simulation	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
10.	IM1319	Platforms and systems for knowledge transfer	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
12.	IS001	Effective management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA304	Business Strategies	(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA413	Knowledge Systems and Project Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
15.	MBA601	Applied use of IT and Internet in business	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	PLM05	Management of PLM Projects	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
17.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
18.	RPR005	Project Cycle Management	(RPR) Regional Development Planning and Management, Master Academic Studies
19.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
20.	IM2123	Operations management	(M50) Energy Management, Master Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
21.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies
22.	IM2307	Strategic Project Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
23.	IM2314	Program and Portfolio management	(I20) Engineering Management, Master Academic Studies
24.	IM2316	Theory of Constraints	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
25.	IM2319	Project evaluation	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
26.	IM2922	eHRM	(I20) Engineering Management, Master Academic Studies
27.	IMDS71	Selected topics of project management	(I22) Engineering Management, Specialised Academic Studies
28.	S1I594	E-Business	(S01) Postal Traffic and Telecommunications, Master Academic Studies
29.	UP002	Applied Project Cycle Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
30.	IMDR71	Selected topics of project management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Lalić, B., Ćosić I., Anišić, Z.: SIMULATION BASED DESIGN AND RECONFIGURATION OF PRODUCTION SYSTEMS, International journal of Simulation Modelling, IJSIMM, issn 1726-4529, Volume 4, Number 4, pp. 173-183, Vienna, Austria, December 2005.
2.	R. Maksimovic, B.Lalić; Flexibility and Complexity of Effective Enterprises, Strojniski Vesnik, 2008.
3.	Lalić D., Marjanović U., Lalić B.: The influence of social networks on communication satisfaction within the organizations. In: M.M. Cruz-Cunha, P. Goncalves, N. Lopes, E.M. Miranda and G.D. Putnik, ed. Handbook of Research on Business Social Networking: Organizational, Managerial, and Technological Dimensions., New York, Business Science Reference (IGI Global), 2011, str. 545-566, ISBN 978-1-61350-168-9
4.	Lalić B., Marjanović U.: Organizational Readiness/Preparedness. In: M.M. Cruz-Cunha and J. Varajao, ed. E-business issues, challenges and opportunities for SMEs: driving competitiveness., New York, Business Science Reference (IGI Global), 2011, str. 101-116, ISBN 978-1-61692-880-3
5.	Simeunović N., Ćosić I., Radaković N., Lalić B.: The General Work Procedure Model for the Service Product, Beč, DAAAM International Scientific Book, 2009, str. 281-288, ISBN 987-3-901509-71-1, UDK: ISSN 1726-9687
6.	Lalić B., Palčič I.: Analytical Hierarchy Process as a Tool for Selecting and Evaluating Projects, International journal of Simulation Modelling-IJSIMM, 2009, Vol. 8, No 1, pp. 16-26, ISSN 1726-4529
7.	Lalić B., Ćosić I., Anišić Z.: SIMULATION BASED DESIGN AND RECONFIGURATION OF PRODUCTION SYSTEMS , International journal of Simulation Modelling-IJSIMM, 2005, Vol. 4, No 4, pp. 173-183, ISSN 1726-4529
8.	Jovanovic M., Moreno Perez J., Lalić B., Todorovic V., Jovanović M.: Use of cost analysis, estimation and risk management in making project management decisions in construction, Projektna mreza Slovenije - Project Management Review, 2010, Vol. 8, No 3, pp. 4-9, ISSN 1580-0229
9.	Lalić B., Ćosić I., Poli M.: Project Strategy Matching Project Structure to Project Type to Achieve Better Success, International Journal of Industrial Engineering and Management - IJIEM, 2010, Vol. 1, No 1, pp. 29-40, ISSN 2217-2661

Representative refferences (minimum 5, not more than 10)				
10.	Poli M., Mithiborwala H., Maksimović R., Lalić B.: PROJECT STRATEGY: SELECTING THE BEST PROJECT STRUCTURE, 9. PICMET Conference, Portland: Portland International Center for Management of Engineering and Technology, 2-6 Avgust, 2009, pp. 1276-1281, ISBN 978-1-890843-20/5				
Summary data for teacher's scientific or art and professional activity:				
Quotation total :	4			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	2	International :	2

Science, arts and professional qualifications

Name and last name:	Lazarević M. Milovan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	11.11.2000
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management

	List of courses being held by the teacher in the accredited study programmes		
	ID	Course name	Study programme name, study type
1.	EOS19	Dismantling and recycling technologies	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
2.	M316	Production Systems	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
3.	II1012	Assembly Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1017	Production System Design	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	II1037	Disassembly and recycling technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	II1053	Production Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
7.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	IM1114	Energy Flows in the Enterprise	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1119	Product management at end of life	(I20) Engineering Management, Undergraduate Academic Studies
10.	EI504	Management of Small and Medium Enterprises	(MR0) Measurement and Control Engineering, Master Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
12.	IMDS56	Product traceability during the lifetime	(I12) Industrial Engineering, Specialised Academic Studies
13.	IMDS57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I12) Industrial Engineering, Specialised Academic Studies
14.	IMDS93	Virtual Enterprises and Collaborative Systems	(I22) Engineering Management, Specialised Academic Studies
15.	MBA411	Business intelligence concepts	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
16.	PLM02	Product Development and Management in PLM	(I10) Industrial Engineering, Master Academic Studies
			(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies

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

	ID	Course name	Study programme name, study type
17.	PLM06	Technologies for Disposal at the Products End-Of-Life	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
18.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies
			(PM0) Production Engineering, Master Academic Studies
19.	IIDR5S	Advanced Engineering Technologies	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(M50) Energy Management, Master Academic Studies
20.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
21.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies
			(M50) Energy Management, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
22.	IM2120	Virtual Enterprises	(I20) Engineering Management, Master Academic Studies
23.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies
			(M50) Energy Management, Master Academic Studies
24.	PLM02	Applied Product Development	(I20) Engineering Management, Specialised Professional Studies
25.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR93	Virtual Enterprises and Collaborative Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative 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, ISSN 0144-5154

2. Stankovski S., Ostojić G., Tarjan L., Škrinjar D., Lazarević M. : IML Robot Grasping Process Improvement (Article in press, Date of acceptance 14. March 2010), Iranian Journal of Science & Technology, Transactions B, 2011, ISSN 1028-6284

3. Ostojić G., Lazarević M., Stankovski S., Ćosić I. : RFID Technology Application in Disassembly Systems , Strojniski vestnik = Journal of Mechanical Engineering, 2008, Vol. 54, Broj 11, str. 759-767, ISSN 0039- 2480, UDK: 658.5

4. Stankovski S., Lazarević M., Ostojić G., Ćosić I., Purić R. : RFID Technology in Product/Part Tracking During the Whole Life Cycle , Assembly Automation, 2009, Vol. 29, Broj 4, str. 364-370, ISSN 0144-5154

5. Lazarević M., Ostojić G., Ćosić I., Stankovski S., Vukelić Đ., Zečević I.: Product lifecycle management (PLM) methodology for product tracking based on radio-frequency identification (RFID) technology, Scientific Research and Essays, 2011, Vol. 6, No 22, pp. 4776-4787, ISSN 1992-2248

6. Ostojić G., Stankovski S., Vukelić Đ., Lazarević M., Hodolič J., Tadić B., Odri S.: Implementation of automatic identification technology in a process of fixture assembly/disassembly, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 819-825, ISSN 0039-2480

7. Lazarević M., Ostojić G., Stankovski S., Ćosić I.: Postupak upravljanja proizvodom u celokupnom životnom veku korišćenjem RFID taga, Broj priznatog patenta: 51796, datum priznavanja 24.10.2011. godine., 2011

8. Purić R., Lazarević M., Ostojić G., Marović B., Stankovski S.: RFID-BASED LIFECYCLE PRODUCT MONITORING FOR INSURANCE PURPOSES, Facta universitatis - series: Mechanical Engineering, 2011, Vol. 9, No 1, pp. 119-126, ISSN 0354–2025, UDK: 658.562.6

9. Ostojić G., Stankovski S., Lazarević M., Vukelić Đ., Onderova I.: Use of RFID technology in disassembly system, Journal ERIN, 2010, Vol. 3, No 2, pp. 27-31, ISSN 1337-9089

10. Stankovski S., Ostojić G., Lazarević M., Popović B., Mijić D.: RFID TECHNOLOGY, PRIVACY AND SECURITY, Facta universitatis - series: Mechanical Engineering, 2010, Vol. 8, No 1, pp. 57-62, ISSN 0354–2025

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

Quotation total :	11			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	4	International :	3

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

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

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

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:	Lisov R. Milimir
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2012		Production Systems, Organization and Management
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1978	Faculty of Economics - Beograd	Mathematics
Bachelor's thesis	1975	Faculty of Mathematics - Beograd	Mathematics

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

	ID	Course name	Study programme name, study type
1.	IM1011	Applied Operational Research	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
2.	IM1024	Risk Management and insurance	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1706	Actuerial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
4.	URZP80	Basic principals of insurance	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	IMDS53	Selected Chapters in Life Insurance	(I22) Engineering Management, Specialised Academic Studies
6.	OIR001	Basic insurance	(I20) Engineering Management, Specialised Professional Studies
7.	OIR005	Tehničke osnove osiguranja	(I20) Engineering Management, Specialised Professional Studies
8.	IM2707	Methods for the analysis of insurance risk	(I20) Engineering Management, Master Academic Studies
9.	IM2713	Rates of Insurance Premiums	(I20) Engineering Management, Master Academic Studies
10.	IM2717	Management of strategic and operational risks of insurance companies	(OM1) Mathematics in Engineering, Master Academic Studies
11.	IM2719	Loss Assessment	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
12.	IMDR53	Selected Chapters in Life Insurance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Lisov, M: Zarkovic, N; Mrksic, D; SITUATION AND POSSIBILITIES OF IMPROVEMENT OF VOLUNTARY PENSION INSURANCE IN SERBIA AS A DEVELOPING COUNTRY, African Journal of Business Management, Vol. 4 (10), August 2010, pp 2075-2086
2.	Zarkovic, N., Lisov, M., Mrksic, D., Investmants of Serbian Insurance companies, Economic Research, (2012), vol. 25, No 3
3.	Zarkovic, N; Lisov, M; Mrksic, D: NATIONAL BANK AS INSURANCE SUPERVISOR IN SERBIA AS A DEVELOPING COUNTRY, African journal of business management, (2012), Vol. 6, No 8, pp. 2816-2824
4.	Rakonjac-Antic, T; Lisov,M; Rajic, V: Sustainabality problems of the public pension and disability system, Part II, Chapter 13 in monograph "Achieved Results and Prospects of Insurance Market Development in Modern World", Faculty of Economy of the University of Belgrade, 2012, pp. 213-228, ISBN: 978-86403-1222-6
5.	Lisov, M: PRIVATNO PENZIJSKO OSIGURANJE, Novi Sad, 2006, 223 str, CIP 368.914.2, ISBN 86 – 907827-2-9
6.	Lisov, M: OSIGURANJE ŽIVOTA – DINAMIČKI SISTEM RENTNIH OSIGURANJA , Osiguranje i privreda – časopis za teoriju i praksu osiguranja, Zagreb, 1980, 28 - 34 str.
7.	Lisov, M: OCENA KRITERIJUMA ZA IZBOR MEHANIČKIH METODA IZRAVNANJA SIROVIH VEROVATNOĆA SMRTNOSTI, Osiguranje i privreda – časopis za teoriju i praksu osiguranja, Zagreb, 1989, 76 - 81 str.
8.	Lisov M.: EKONOMSKE I TEHNIČKE OSNOVE OSIGURANJA, Novi Sad, Fakultet tehničkih nauka, 2010, str. 52-261, ISBN 978-86-7892-234-3, UDK: 368(075.8)

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

Science, arts and professional qualifications

Name and last name:	Maksimović M. Rado
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	12.06.1979
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2008	University of Novi Sad - Novi Sad	Production Systems, Organization and Management
PhD thesis	1998	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1989	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1978	Faculty of Technical Sciences - Novi Sad	Engineering Management

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	Z421	Operacioni menadžment(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	BM118C	Medical management	(BM0) Biomedical Engineering, Undergraduate Academic Studies
3.	IM1021	Developmental Processes in Company	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1031	Enterprise's organization	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1113	Improvement of products and processes	(I20) Engineering Management, Undergraduate Academic Studies
6.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
7.	IMDS60	Enterprise Complexity and Flexibility	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
8.	IMDS63	Intelligent Organisation	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
9.	IMDS65	Entrepreneurship and Organizational Development	(I22) Engineering Management, Specialised Academic Studies
10.	I901	Manufacturing performace measurement	(I10) Industrial Engineering, Master Academic Studies
11.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies
			(PM0) Production Engineering, Master Academic Studies
12.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
13.	IIDS19	Organizational structures	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
14.	IIDS5	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
15.	IIDS9	Effective Production and Service Systems	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
16.	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
17.	IM2103	New technologies in engineering and management	(I10) Industrial 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
18.	IM2113	Design of enterprise's organization	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IM2114	Enterprise's performances	(I20) Engineering Management, Master Academic Studies
20.	IM2119	Layout and location of the enterprise	(I20) Engineering Management, Master Academic Studies
21.	IM2321	Management of project oriented enterprises	(I20) Engineering Management, Master Academic Studies
22.	IMDS69	Selected chapters in enterprise's design, organization and control	(I22) Engineering Management, Specialised Academic Studies
23.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR12	Organizational structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR31	Effective Production and Service Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR60	Enterprise Complexity and Flexibility	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR63	Intelligent Organisation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR65	Entrepreneurship and Organizational Development	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR5	Selected chapters in enterprise's design, organization and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
30.	IMDR69	Selected chapters of enterprise's management and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
32.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Njegomir V., Maksimović R.: The overview of some basic issues in insurance matket - the case of Serbian insurance risk transfer market, Transformations in Business & Economics (TIBE), 2012, Vol. 11, No 2, pp. 51-69, ISSN 1648-4460

2. Marković V., Maksimović R.: A contribution to continual software service improvement based on the six-step service improvement method, INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, 2012, Vol. 22, No 4, pp. 549-569, ISSN 0218-1940

3. Zelenović, D., Ćosić, I., Maksimović, R.: IISE - APPROACH IN DEVELOPMENT OF EFFECTIVE MANUFACTURING SYSTEMS - COMPANIES, U: Suresh, N.C, Kay, M.J.: GROUP TECHNOLOGY & CELLULAR MANAGEMENT - A state of-The-Art Synthesis of Research & Practice, New York: Cluwer Pres, Buffalo - New York, 1998, ISBN 0-7923-8080-0. pp. 517- 536.

4. Maksimović, R, Lalić, B: Flexibility and Complexity of Effective Enterprises, Strojniški vestnik - Journal of mechanical engineering, 2008, Vol. 54, No. 11, pp. 768- 782, UDK: 658.51, ISSN 0039-2480

5. Maksimović, R., Stankovski, S., Ostojić, G., Petrović, S, Ratković, Ž.: Complexity and Flexibility of Production Structures, Journal of Scientific and Industrial Research, 2009, 101-105, ISSN 0022-4456

6. Borocki J., Ćosić I., Lalić B., Maksimović R.: Analysis of Company Development Factors in Manufacturing and Service Company: a Strategic Approach, Strojniski vestnik = Journal of Mechanical Engineering, 2011, Vol. 57, No 1, pp. 55-68, ISSN 0039-2480, UDK: DOI:10.5545/sv-jme.2010.030

7. Marović, B., Njegomir, V., Maksimović, R.: The implications of the financial crisis to the insurance industry - Global and regional perspective, Economic research, 2010, Vol. 23, No. 2, 127-141, ISSN 1331-677X.

8. Obadović M., Maksimović R., Obadović M.: The estimate of the market risk by the application of historical simulation method in the period of growth of stock exchange indices on Belgrade stock exchange, Economic research, 2010, Vol. 23, No 3, pp. 82-95, ISSN 1331-677X, UDK: UDK 330.322:336.76

9. Djuric, Ž., Maksimović, R., Adamović, Ž.: Key performance indicators in a joint-stock company, AFRICAN JOURNAL OF BUSINESS MANAGEMENT, 4 (6): 890-902, 2010

10. Radišić, O., Radišić, M., Maksimović, R. et al. 2012. Industrial Cogeneration Appliance--An Example of a Drilling Rig. J Can Pet Technol 51 (6): 487-492. SPE-157689-PA. http://dx.doi.org/10.2118/157689-PA.

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

Quotation total :	8			
Total of SCI(SSCI) list papers :	11			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:		Mandić M. Vladimir
Academic title:		Assistant Professor
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad
		01.07.2003
Scientific or art field:		Information-Communication Systems

Academic carieer	Year	Institution	Field
Academic title election:	2012		Information-Communication Systems
PhD thesis	2012	University of Oulu - Oulu	Informatics
Bachelor's thesis	2002	Faculty of Technical Sciences - Novi Sad	Computer Engineering

	ID	Course name	Study programme name, study type
1.	II1024	Algorithms and Data Structures	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1046	Agile Approaches in Software Development	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	IM1506	Database Design	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
4.	IM1516	Database Systems	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	IM1518	Modern programming techniques	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1520	Service-Oriented Architectures	(I20) Engineering Management, Undergraduate Academic Studies
7.	IMDS33	Structures of Modern Information and Communication Systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
8.	IMDS36	Advanced data models and database systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
9.	I834	Empirical Software Engineering	(I10) Industrial Engineering, Master Academic Studies
10.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
11.	IM2507	Automation of production systems management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
12.	IM2513	Data Warehouse Design	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
13.	IM2514	Software Quality Assurance	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
14.	IM2521	Distance Learning and Remote Work	(I20) Engineering Management, Master Academic Studies
15.	IM2522	Software testing principles and methods	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
16.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Mandić V.: MEASUREMENT-BASED VALUE ALIGNMENT AND REASONING ABOUT ORGANIZATIONAL GOALS AND STRATEGIES: STUDIES WITH THE ICT INDUSTRY, UNIVERSITY OF OULU, 2012, ISBN 978-951-42-9907-0

	Representative refferences (minimum 5, not more than 10)
2.	Mandić V., Oivo M.: SAS: A Tool for the GQM Strategies Grid Derivation Process, Lecture notes in computer science, 2010, Vol. 6156, pp. 291-305, ISSN 0302-9743
3.	Mandić V., Harjumaa L., Markkula J., Oivo M.: Early Empirical Assessment of the Practical Value of GQM Strategies, Lecture notes in computer science, 2010, Vol. 6195, pp. 14-25, ISSN 0302-9743
4.	Mandić V., Basili V., Harjumaa ., Oivo M., Markkula J.: Utilizing GQM Strategies for business value analysis: an approach for evaluating business goals., 4. International Symposium on Empirical Software Engineering and Measurement - ESEM, Bolzano: ACM, 16-17 Septembar, 2010, pp. 1-10, ISBN ISBN 978-1-4503-003
5.	Mandić V., Markkula J., Oivo M.: Towards Multi-Method Research Approach in Empirical Software Engineering, Lecture Notes in Business Information Processing, 2009, Vol. 32, pp. 96-110, ISSN 1865-1348
6.	Mandić V., Oivo M., Rodriguez P., Kuvaja P., Kaikkone H., Turhan B.: What Is Flowing in Lean Software Development?, Lecture Notes in Business Information Processing, 2010, Vol. 65, pp. 72-84, ISSN 1865-1348
7.	Mandić V., Basili V., Oivo M., Harjumaa L., Markkula J.: Utilizing GQM Strategies for an Organization-Wide Earned Value Analysis, 36. EUROMICRO Conference on Software Engineering and Advanced Applications - SEAA, Lille: IEEE, 1-3 Septembar, 2010, pp. 255-258, ISBN ISBN 978-1-4244-7901
8.	Mandić V., Gvozdenović N.: Raspoređivanje vozila u javnim gradskim saobraćajnim preduzećima , Strategijski menadžment, 2004, Vol. 7, No 4, pp. 107-109, ISSN 0354-8414
9.	Mandić V., Čokrlić D.: Naziv: Component-based application development in .NET environment Naziv skupa: YUINFO 2006

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:	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:	Milisavljević M. Stevan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.2007
Scientific or art field:	Quality, Effectiveness and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
Master's thesis	2006	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
Bachelor's thesis	2006	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics

	ID	Course name	Study programme name, study type
1.	II1016	Reliability of technical systems and Maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	IM1030	Integral Systems Support - Logistic	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1036	Reliability Theory	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1049	Supply chain Management	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1614	Organization and Management of Logistic	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1814	Industrial Customer Relationship Management	(I20) Engineering Management, Undergraduate Academic Studies
7.	I501	Risk Management	(I10) Industrial Engineering, Master Academic Studies
8.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
9.	LIM05	Fundamentals of Logistic Management	(LIM) Logistic Engineering and Management, Master Academic Studies
10.	LIM16	Production Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
11.	LIM19	Customer Relationship Management	(LIM) Logistic Engineering and Management, Master Academic Studies
12.	LIM30	Inventory Planning and Management	(LIM) Logistic Engineering and Management, Master Academic Studies
13.	LIM31	Reverse and Green Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
14.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
15.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
16.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
17.	IM2607	Risk management	(M50) Energy Management, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
18.	IM2615	Lean Logistics	(I20) Engineering Management, Master Academic Studies
19.	IM2618	Transportation management	(I20) Engineering Management, Master Academic Studies
20.	IM2619	Stock planning and management	(I20) Engineering Management, Master Academic Studies
21.	IM2621	Castumer Relationship Management	(I20) Engineering Management, Master Academic Studies
22.	IM2815	Logistics in Engineering Marketing	(I20) Engineering Management, Master Academic Studies

	ID	Course name	Study programme name, study type
23.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
24.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Šević D., Milisavljević S., Kesić I.: Procesna industrija versus ISO 14001, International Journal Total Quality Management

2. Stefanović D., Anderla A., Rašić D., Mirković M., Stefanović N., Milisavljević S.: Istraživanje uslova za integraciju savremenih ICT u poslovanje proizvodnih sistema, 10. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Elektrotehnički Fakultet Istočno Sarajevo, 16-18 Mart, 2011, pp. 659-662, ISBN 99938-624-2-8

3. Šević D., Ušćebrka G., Milisavljević S.: Sistem upravljanja zaštitom životne sredine u poljoprivrednom gazdinstvu, International Journal Total Quality Management

4. Prokopić L., Šević D., Milisavljević S.: Prednosti integrisanog sistema menadžmenta u procesnoj industriji, International Journal Total Quality Management

5. Brkljač N., Šević D., Beker I., Kesić I., Milisavljević S.: Procedure for treatment of hazardous waste by MID-MIX procedure in Serbia, International Journal of the Physical Sciences, 2012, Vol. 7, No 18, pp. 2639-2646, ISSN 1992-1950

6. Mitrović S., Grubić-Nešić L., Milisavljević S., Melović B., Babinkova Z.: Manager's Assessment of Organizational Culture, E M Ekonomie a Management, ISSN 1212-3609.

7. Mitrović S., Milisavljević S., Ćosić I., Leković B., Grubić-Nešić L., Ivanišević A.: Change in leadership styles in a transitional economy: A serbian case study, African Journal of Business Management, 2011, Vol. 5, No 9, pp. 3563-3569, ISSN 1993-8233

8. Melović B., Mitrović S., Milisavljević S., Pejanović R., Ćelić Đ.: Research of consumption and competitiveness of homemade products for manufacturing improvements: A case study from Montenegro, African Journal of Agricultural Research, 2012, Vol. 7, pp. 3757-3764, ISSN 1991-637X

9. Grubić-Nešić L., Mitrović S., Melović B., Milisavljević S.: Research among Employees in the Agricultural Sector, HealthMED, 2013, ISSN 1840-2991

10. Milisavljević S., Grubić-Nešić L.: Doprinos sistema kvaliteta pozicioniranju preduzetništva, 2. Preduzetnička konferencija "Zapošljavanje kroz prizmu preduzetništva", Podgorica: Ekonomski fakultet Podgorica, 18 Maj, 2012, ISBN 978-86-80133-56-0

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 :	2

Science, arts and professional qualifications

Name and last name:	Mirković R. Milan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.2007
Scientific or art field:	Information-Communication Systems

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Master's thesis	2005	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Bachelor's thesis	2005	Faculty of Technical Sciences - Novi Sad	Engineering Management

List of courses being held by the teacher in the accredited study programmes			
	ID	**Course name**	**Study programme name, study type**
1.	Z201	Fundamentals of Computer Technologies	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	Z201A	Fundamentals of Computer Technologies	(Z01) Safety at Work, Undergraduate Academic Studies
3.	II1002	Computer Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1010	Fundamentals of Information Technologies	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1038	Introduction to Business Intelligence Systems	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1514	Web-oriented Technologies and Systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1515	Mobile information technologies	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1813	Multimedia and global media	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1815	Industrial Internet marketing	(I20) Engineering Management, Undergraduate Academic Studies
10.	HR013	Knowledge Economy	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	IMDS55	Data Mining	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
12.	MBA309	Human Resource Management in Knowledge Economy	(IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA411	Business intelligence concepts	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA415	Development of services, products and marketing of technological innovation	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
15.	LIM02	Business Information Systems	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	I835	Data mining methods	(I10) Industrial Engineering, Master Academic Studies
17.	I913	Expert systems and tools for knowledge management	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
19.	IM2518	Captology - procedures and methods	(I20) Engineering Management, Master Academic Studies
20.	IM2519	Advanced Information Technology	(I20) Engineering Management, Master Academic Studies
21.	IM2520	E-commerce Procedures and Methods	(I20) Engineering Management, Master Academic Studies

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

	ID	Course name	Study programme name, study type
22.	IM2816	Data mining in industrial marketing	(I20) Engineering Management, Master Academic Studies
23.	IM2821	Digital products design and Human-Computer Interaction	(OM1) Mathematics in Engineering, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
24.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies
25.	IMDR34	Raster and Image Processing Technologies in Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR55	Data Research	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Stefanović D., Rakić-Skoković M., Mirković M., Anderla A., Rašić D.: Contemporary Software Business Suites as a Company's Competitive Advantage, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, ISBN 978-86-7892-341-8

2. Milisavljević S., Mirković M., Šević D., Mitrović S.: Business quality improvement by using e-services for customer relationship management, 6. International Working Conference "Total Quality Management - Advanced and Intelligent Approaches" - TQM

3. Mirković M., Ćulibrk D., Crnojević V.: Computational Social Networks (Chapter: Mining Geo-Referenced Community-Contributed Multimedia Data), London, Springer, 2012, str. 81-102, ISBN 978-1-4471-4053-5

4. Ćulibrk D., Mirković M., Zlokolica V., Pokrić M., Crnojević V., Kukolj D.: Salient Motion Features for Video Quality Assessment, IEEE Transactions on Image Processing, 2011, Vol. 20, No 4, pp. 948-958, ISSN 1057-7149

5. Mirković M., Ćulibrk D., Papadopoulos S., Zigkolis C., Kompatsiaris Y., McArdle G., Crnojević V.: A Comparative Study of Spatial, Temporal and Content-based Patterns Emerging in YouTube and Flickr

6. Ćulibrk D., Mirković M., Lugonja P., Crnojević V.: Mining Web Videos for Video Quality Assessment, 2. International Conference of Soft Computing and Pattern Recognition - SocPar, Pariz, 7-10 Decembar, 2010

7. Mirković M., Ćulibrk D., Anderla A., Stefanović D., Milisavljević S.: A framework for obtaining publicly available geo-referenced video meta-data, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 223-228, ISBN 978-86-7892-341-8

8. Stefanović D., Mirković M., Anderla A., Drapšin M., Drid P., Radjo I.: Investigating erp systems success from the end user perspective, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 1089-1099, ISSN 1840-1503

9. Ćulibrk D., Žunić I., Mirković M., Šetrajčić I.: PRIMENA ISTRAŽIVANJA PODATAKA NA PREDVIĐANJE PERFORMANSI PROFESIONALNIH KOŠARKAŠA, 10. Naučno-stručni simpozijum INFOTEH-JAHORINA, Jahorina: Infoteh, 16-18 Mart, 2011, pp. 539-542, ISBN 978-99938-624-6-8

10. Gavrić K., Lugonja P., Mirković M., Ćulibrk D., Crnojević V.: Detecting Attractive Locations and Tourist' Dynamics Using Geo-referenced Images, 10. TELSIKS - International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services, Niš, 5-8 Oktobar, 2011, ISBN 978-1-4577-2017-8

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

Quotation total :	12			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	2	International :	3

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

	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:		Mitrović M. Slavica	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		01.10.2005	
Scientific or art field:		Production Systems, Organization and Management	
Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2004	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E2I41	Information System Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
2.	EOS33	Entrepreneurial management	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	S002A	Economics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	II121	Principles of economics	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	I120	Principi menadžmenta(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	I201	Preduzetništvo(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
7.	II1041	Innovation and Entrepreneurship	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	IM1005	Entrepreneurship	(I20) Engineering Management, Undergraduate Academic Studies
			(Z01) Safety at Work, Undergraduate Academic Studies
			(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	IM1007	Principles of engineering management	(I20) Engineering Management, Undergraduate Academic Studies
			(M30) Energy and Process Engineering, Undergraduate Academic Studies
			(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
10.	IM1215	Management of small and medium size enterprises	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM1218	Models of open innovations and corporate entrepreneurship	(I20) Engineering Management, Undergraduate Academic Studies
12.	IMDS97	Entrepreneurial Management	(I22) Engineering Management, Specialised Academic Studies
13.	MBA304	Business Strategies	(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	NIT07	Management Skills	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
15.	IMDS66	Managerial decision-making	(GI0) Geodesy and Geomatics, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
16.	IMDR97	Entrepreneurial Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR66	Managerial decision-making	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Mitrović, S., Grubić-Nešić, L ., Milisavljević, S., Melović, B.,. Zuzana Babinkova (in press) Manager's Assessment of Organizational Culture. E+M Ekonomie a Management ISSN 1212-3609.
2.	Slavica MITROVIĆ, Bozidar LEKOVIĆ, Valentin KONJA, Ana NEŠIĆ (in press). EMPLOYEE TIME MANAGEMENT: A CASE STUDY FROM SERBIA.Metalurgia International, ISSN 1582 – 2214. Vol. (1).
3.	Valentin KONJA, Leposava GRUBIĆ-NEŠIĆ, Slavica MITROVIĆ (2012). LEADER-MEMBER EXCHANGE: A SHORT CASE STUDY FROM A SERBIAN COMPANY. Metalurgia International, ISSN 1582 – 2214. Vol.17 (11), pp. 146-153.
4.	Melović, B., Mitrović, S., Milisavljević, S., Pejanović, R., Ćelić, Đ. (2012). RESEARCH OF CONSUMPTION AND COMPETITIVENESS OF HOMEMADE PRODUCTS FOR MANUFACTURING IMPROVEMENT: CASE STUDY FROM MONTENEGRO. African Journal of Agricultural Research. ISSN 1991-637X .Vol. 7(26), pp. 3757-3764.
5.	S. Mitrovic, S. Milisavljevic, I. Cosic, B. Lekovic, L. Grubic-Nesic, A. Ivanisevic: Changes in leadership styles in a transitional economy: A Serbian case study, African Journal of Business Management, Vol. 5(9), pp. 3563-3569, 4 May 2011. ISSN 1993-8233 Academic Journals.
6.	Mitrović, S., Nikolić, J., Milisavljević, S., Ćosić, I. (2012). Factors influencing managerial decision-making in industrial systems, International symposium on industrisl enigneering-SIE, Belgrade. Proceeding page 67-73. ISBN 978-86-7083-758-4 (COBISS:SR-ID 191329292).
7.	Mitrović, S., Melović, B., Ćosić, I. (2012). ENTREPRENEURIAL EDUCATION AS AN EMPLOYMENT-INFLUENCING FACTOR. International entrepreneurship conference „Recruitment in the light of entrepreneurship", organized by Faculty of Economics, Podgorica, Montenegro. ISBN 978-86-80133-56-0
8.	Mitrović, S., Milisavljević, S., Melović, B., Grubić-Nešić, L. (2012). Strategic management in the function of overcoming economical crizes, 17 th International Scientific Symposium Strategic management and Decision Support Systems in Strategic Management, Palic-Subotica. ISBN 978-86-7233-305-3 (COBISS.SR-ID 250924295).
9.	Leposava GRUBIC-NESIC, Sanja VRNJES, Biljana RATKOVIC-NJEGOVAN, Slavica MITROVIC (2012). ATTITUDES OF THE EMPLOYEES ABOUT THE ORGANIZATIONAL RESTRUCTURING: A SAMPLE OF ORGANIZATIONS IN SERBIA. Metalurgia International, ISSN 1582 – 2214. Vol.17 (12), pp. 153-160.
10.	S.Mitrović, A. Nešić, A. Antić, G.Šimunović (2012). Motivation for entrepreneurial engagement, International Scientific and Expert Conference of the International TEAM Society. pp 349-352, ISSN 1847-9056

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:	Mitrović R. Vojin
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Engineering Management

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Engineering Management
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1984	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1979	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.	IM1005	Entrepreneurship	(I20) Engineering Management, Undergraduate Academic Studies (Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
2.	IM1027	Production systems	(I20) Engineering Management, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
3.	IM1044	Business process integration	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1045	Innovation in Enterprises	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1101	Production planning and control	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
6.	IM1115	Business process modelling	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1206	Innovation and Change Management	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1217	Entrepreneurship and New Business Venturing	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1220	Entrepreneurial strategies	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Tesic, Z., Mitrovic, V., Cosic, I.P., Lalic, D., Integration of information for manufacturing shop control, Strojniski vestnik - Journal of Mechanical Engineering, Vol. 56 No 3, pp. 217-223, 2010
2.	Tešić, Z., Gračanin, D., Mitrović, V., An approach in development of integrated planning, scheduling and production control system, INFOTEH-Jahorina, Vol. 7, Ref. C-1, pp. 262-265, 2008.
3.	Maksimović, R., Stankovski, S., Mitrović, V., Purić, R., The Balanced Scorecard metodology in enterprise, INFOTEH-Jahorina, Vol. 7, Ref. C-5, pp. 280-284, 2008.
4.	Tesic, Z., Mijuskovic, LJ., Mitrovic, V., Integration model of business and production processes in industrial enterprise, INFOTEH-Jahorina, pp. 262-265, Sarajevo, 2009.
5.	Tesic, Z., Mitrović, V., ERP systems in inteliigent business, INFOTEH-Jahorina, pp. 348-351, Sarajevo, 2010.
6.	Tešić, Z., Nikolić, R., Kuzmanović, B. i ostali: „Programi, tehnologije, organizacija i upravljanje razvojem kompetitivnog sela", FTN izdavaštvo, 2008, 246 strana.
7.	Mitrović, V., Maksimović, R., Tešić, Z., Appliance of "Balanced Scorecard" metodology in small enterprise, International Journal Total Quality Management & Excellence, Vol. 36 No 1-2, pp. 339-346, 2008.
8.	Mitrović, V., Sistem menadžmenta kvalitetom u preduzeću "OKTAN PROMET", Bijeljina, 2005.
9.	Mitrović, V., Sistem menadžmenta zaštitom životne sredine u preduzeću "OKTAN PROMET", Bijeljina, 2005.

Representative refferences (minimum 5, not more than 10)				
10.	Mitrović, V., Sistem menadžmenta kvalitetom u preduzeću "PANAFLEX", Bijeljina, 2005.			
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:	Morača D. Slobodan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2000
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1999	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.	URZP51	Strategy of Intervention	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	ZR305	Risks and Hazards at Work and in the Working Environment	(Z01) Safety at Work, Undergraduate Academic Studies
3.	I201	Preduzetništvo(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
4.	II1019	Project Management	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	IM1028	Fundamentals of Project Management	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1047	Planning and enterprises performance analysis	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1121	Industrial Clusters	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1306	Project Management	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1313	Project cost management	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM1314	Computer aided project management	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM1316	Project Cycle Management	(I20) Engineering Management, Undergraduate Academic Studies
12.	ZR402A	Protection System Design	(Z01) Safety at Work, Undergraduate Academic Studies
13.	IMDS96	Project portfolio management	(I22) Engineering Management, Specialised Academic Studies
14.	ZP512	Protection and Rescue Plans	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
15.	IM2313	Planning, guidance and control of the project	(I20) Engineering Management, Master Academic Studies
16.	IM2317	IT Project management	(I20) Engineering Management, Master Academic Studies
17.	IM2320	Project Auditing	(I20) Engineering Management, Master Academic Studies
18.	IMDS71	Selected topics of project management	(I22) Engineering Management, Specialised Academic Studies
19.	UP001	Computer Supported Project Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
20.	UP002	Applied Project Cycle Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies

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

	ID	Course name	Study programme name, study type
21.	UP004	Applied IT Project Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
22.	IMDR96	Project portfolio management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
23.	IMDR71	Selected topics of project management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	ZRD213	Current state and development tendencies of quality management of work environment	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Moraca Slobodan Hadzistevic Miodrag Drstvensek Igor Radakovic Nikola, Application of Group Technology in Complex Cluster Type Organizational Systems, STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, ISBN 0039-2480, (2010), vol. 56 br. 10, str. 663-675

2. Hadžistević Miodrag; Morača Slobodan; Networks and Quality Improvement; International Journal for Quality Research ISSN: 1800-6450 Detalji Vol. 3, No. 4, Str. 353-361

3. Demko-Rihter J., Gračanin D., Morača S.: The importance of the business environment for the liquidity of SMEs and entrepreneurs - case of Serbia, 4. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Ohrid: National Centre for Development of Innovation and Entrepreneurial Learning, 5-7 Maj, 2011, pp. 172-179, ISBN 978-608-65144-1-9

4. Ćosić Ilija; Gračanin Danijela; Morača Slobodan; Ćirić Jelena; Project Approach in Deign of Complex Organizational Structures Vol. 13, No. 1, Str. 249-252, ISBN 1840-4944, University of Zenica, Faculty of Mechanical engineering in Zenica; International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT (13 ; Hammamet ; 2009)

5. Morača Slobodan; Maksimović Rado; HOLISTIC, MANAGEMENT, AND CHANGES IN ORGANIZATION; Str. 835-841, UDK 658.5(082), ISBN 86-7780-008-5, Izdavač: University of Novi Sad, Faculty of Technical Sciences; International Scientific Conference on Industrial Systems - IS (13 ; Herceg Novi ; 2005)

6. Morača, S., Ćosić, I. Softver za podršku odlučivanju u strateškom upravljanju preduzećem, Naziv skupa: XLVI konferencija ETRAN-a, Banja Vrućica, Detalji Str. 63-66, ISBN 86-80509-43-4, Društvo za elektorniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku;

7. Etos - Moris, dr Božo Sovilj, mr Slobodan Morača: Udžbenik koji obrađuje probleme poslovne etike i morala

8. Morača Slobodan, Katić Jasna, Vulanović Srđan, Proizvodnja bio dizela - pozitivni i negativni uticaji u odnosu na zahteve standarda ISO 14000 i OHSAS 18000 Tehnika - Kvalitet, standardizacija i metrologija, vol. 8, br. 3, str. 6-10, 2008

9. Morača Slobodan; Gračanin Danijela; Ćirić Jelena; Change Management in modern organizations; International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD (3 ; NoviSad ; 2010) pp. 547-552, ISBN 978-86-7892-250-3, Izdavač: Fakultet tehničkih nauka;

10. Morača Slobodan; Hadžistević Miodrag; Šević Dragoljub; Value Creation in Business Networks; International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD (3 ; Novi Sad ; 2010) Str. 553-558, ISBN 978-86-7892-250-3, Izdavač: Fakultet tehničkih nauk;

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

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

Science, arts and professional qualifications

Name and last name:	Nedeljković S. Uroš
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	30.03.2005
Scientific or art field:	Graphic Engineering and Design

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Graphic Engineering and Design
Magister thesis	2007	Academy of Arts - Novi Sad	Fine Arts
Bachelor's thesis	2002	Academy of Arts - Novi Sad	Fine Arts

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	F208	Type and Typography	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	F214I1	Graphic culture	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
3.	F230	Design of Graphic Products	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
4.	F302I1	Graphic Communication	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	F312	Fundamentals of spatial design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	F401	Graphic Design	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
7.	ASO311	Sociology of Art and Culture	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
8.	IM1003	Sociology of Work	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
9.	F504I2	Video game design	(F00) Graphic Engineering and Design, Master Academic Studies
10.	F504I5	Advertising Efficiency	(F00) Graphic Engineering and Design, Master Academic Studies
11.	F506	Spatial Design	(F00) Graphic Engineering and Design, Master Academic Studies
12.	F510I1	Design of industrial products	(F00) Graphic Engineering and Design, Master Academic Studies
13.	F510I2	Character and movement design	(F00) Graphic Engineering and Design, Master Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Nedeljković, S; Nedeljković, U; Pismo i tipografija, Fakultet tehničkih nauka, Novi Sad, 2012
2.	Nedeljković, U., Pinčjer, I., Vladić, G.: THE EFFICIENCY OF MESSAGE CODIFICATION LEVEL IN PRINT ADVERTISEMENTS: THE CASE OF FOOD AND DRINK PRODUCTS OR SERVICE, Journal of Graphic Engineering and Design, University of Novi Sad, Faculty of Technical Sciences, Department of Graphic Engineering and Design, Novi Sad, 2011, pp. 16-23, ISSN 2217-379X, COBISS.SR-ID 257662727
3.	Banjanin B., Nedeljković U.: Font hinting techniques and the importance of applying these techniques for high-quality display of fonts on the output device screen , JGED Journal of Graphic Engineering and Design, 2012, Vol. 3, No 1, pp. 23-30, ISSN 2217-379X, UDK: 777.27:777.3
4.	Uroš Nedeljković, Irma Puškarević: RHETORICAL TYPOGRAPHY OF MULTI-STYLE AND DECONSTRUCTIVISM, 15 th International Conference on Printing, Design and Graphic Communications Blaž Baromić - Proceedings, Hrvatsko društvo grafičara, Sveučilište u Zagrebu, Grafički fakultet, Zagreb, 2011, pp. 121-133, ISBN 978-953-56838-0-3
5.	Nedeljković, U., Banjanin, B., Pinčjer, I.: Designing Grid Sans Regular with Titling Alternates, International Symposium on Graphic Engineering and Design, GRID (5; Novi Sad; 2010), Fakultet tehničkih Nauka, Novi Sad, 155-162.
6.	Puškarević I., Nedeljković U.: THE EFFECTIVENESS OF SEX APPEAL IN ADVERTISING IN RELATION TO SEMIOTIC CODES, 16. "Blaž Baromić" International Conference on printing, design and graphic communications, Senj: Hrvatsko društvo grafičara, 26-29 Septembar, 2012, pp. 273-286, ISBN 978-953-56838-2-7

	Representative refferences (minimum 5, not more than 10)
7.	NEDELJKOVIĆ S., NEDELJKOVIĆ U., PINĆJER, I.: ANOTHER INSIGHT ON NEO-CLASSICAL TYPE FORMS, 15 th International Conference on Printing, Design and Graphic Communications Blaž Baromić - Proceedings, Hrvatsko društvo grafičara, Sveučilište u Zagrebu, Grafički fakultet, Zagreb, 2011, pp. 420-427, ISBN 978-953-56838-0-3
8.	Nedeljković U.: Grid Sans, Izložba GRIFON2012, 9.konkurs za najbolji grafički dizajn u Srbiji, Republici Srpskoj, i Crnoj Gori, u 2010. i 2011. godini.Grafički kolektiv, Beograd, 18.06–07.07.2012, Beograd, Grafički kolektiv i Quadra Graphic, 2012, ISBN 978-86-7726-041-5
9.	Nedeljković, U; Tipografsko pismo Grid Sans, FORMA 21, Udruženje likovnih umetnika primenjenih umetnosti i dizajnera Vojvodine–UPIDIV, Muzej Vojvodine, 28.04–15.05.2011. Novi Sad., 2011
10.	Nedeljković, U: „AŠIKU", INTERNATIONAL FINE ART CARAVAN 2005-2010 "ALL THAT MUSIC-SOUNDS OF COLOR, COLOR OF THE SOUNDS" THE SOUNDS OF THE DREAMS 2009-2010 1.1. Nacionalna institucija, Centar za kultura Braća Miladinovci, Struga 22 avgust 2009; 1.2. NU, Centar za kultura „Grigor Priličev„ Ohrid, 3 septemvri 2009; 1.3. Gradska galerija – Dom na kulturata Kavadarci, 20 septemvri 2009; 1.4. Naroden muzej Veles, 12 oktomvri 2009; 1.5. Galerija na DLUM Skopje, 28 oktomvri 2009; 1.6. Umetnička galerija Kumanovo, mart 2010; 1.7. Blok Galerija Beograd, 20. mart 2010; 1.8. Galerija Most Novi Sad, 19. April 2010; 1.9. Boston, St. Sava Church in Cambridge, MA, November 2010; 1.10. Detroit, October 2010; New York, December 2010. , Skoplje, INTERNACIONALEN LIKOVEN KARAVAN

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:		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)	
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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.
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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:	Novaković N. Branislava
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	05.12.1997
Scientific or art field:	Deformable Body Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2011		Deformable Body Mechanics
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Magister thesis	2001	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Bachelor's thesis	1987	Faculty of Technical Sciences - Novi Sad	Theory of Construction

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

	ID	Course name	Study programme name, study type
1.	GG15	Strength of Materials	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG410	Selected Chapters in the Theory of Elasticity	(G00) Civil Engineering, Undergraduate Academic Studies
3.	H202	Strength of materials	(H00) Mechatronics, Undergraduate Academic Studies
4.	M2412	Theory of Elasticity	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
			(P00) Production Engineering, Undergraduate Academic Studies
5.	M4402	Dynamics and Stability of Constructions	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
6.	BMI96	Mechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	II1004	Mechanics and Industrial Engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	M2546	Selected Chapters in the Theory of Elasticity	(M22) Mechanization and Construction Engineering, Master Academic Studies
9.	M4503	Higher Course in Elasticity	(M40) Technical Mechanics and Technical Design, Master Academic Studies
10.	DAU003	Selected Chapters in Mechanics	(E20) Computing and Control Engineering, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
11.	DM403	Mathematical Rod Theory	(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	DZ003	Selected Chapters in Mechanics	(M00) Mechanical Engineering, Doctoral Academic Studies
13.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Atanackovic, T. M., Novakovic, B. N.: ON A FRACTIONAL DERIVATIVE TYPE OF A VISCOELASTIC BODY. Theoretical and Applied Mechanics. Vol. 28-29, pp 27-37, Belgrade 2002
2.	B. N. Novakovic, T. M. Atanackovic.: ON STABILITY OF THE COLUMN WITH A STEP CHANGE IN A CROSS SECTION. Iranian Journal of Science and Technology. Vol 28, No B4, 2004
3.	T. M. Atanackovic, B. N. Novakovic, : OPTIMAL SHAPE OF AN ELASTIC COLUMN ON ELASTIC FOUNDATION. European Journal of Mechanics A/Solids. Vol.25, No 1, pp 154-165, 2006
4.	Branislava N. Novaković: O STABILNOSTI ŠTAPA NA ELASTIČNOJ PODLOZI, Međunarodna konferencija 2006 SAVREMENI PROBLEMI U GRAĐEVINARSTVU, Subotica, 2-3 Jun 2006
5.	Novakovic B., Atanackovic T.: ON THE OPTIMAL SHAPE OF AN ELASTIC ROD ON ELASTIC FUONDATION, The First International Conference on Computational Mechanics, Belgrade, November 15-17, 2004
6.	B. N. Novakovic, STABILITY OF THE COLUMN WITH A STEP CHANGE, 23th Congress of Theoretical and Applied Mechanics, Belgrade, October 12-13, 2001
7.	B. N. Novakovic, ON STABILITY OF THE COLUMN WITH A STEP CHANGE, ISIRR 2002, Novi Sad, October 2002

	Representative refferences (minimum 5, not more than 10)				
8.	Atanackovic T., Novakovic B. : STABILITY OF AN ELASTIC ROD ON ELASTIC FOUNDATION,24th Congress of Theoretical and Applied Mechanics, Belgrade, October 9-10, 2003.				
9.	B. N. Novaković, T. M. Atanacković: STABILNOST ELASTIČNOG ŠTAPA NA ELASTIČNOJ PODLOZI, INDIS 2003, 9th National and 3rd International scientific meeting, Novi Sad,				
10.	Atanackovic T.M., Novakovic B.N.: OPTIMAL SHAPE OF AN ELASTIC, 25th Congress of Theoretical and Applied Mechanics, Novi Sad, June1-3, 2005.				
	Summary data for teacher's scientific or art and professional activity:				
	Quotation total :	2			
	Total of SCI(SSCI) list papers :	5			
	Current projects :	Domestic :	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

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

	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. 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

8. Ostojić, G., Stankovski, S.: Sistemi i uređaji za praćenje proizvoda tokom životnog ciklusa, Fakultet tehničkih nauka, 2012

9. 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

Representative refferences (minimum 5, not more than 10)	
10.	Popkonstantinović B., Miladinović Lj., Stoimenov M., Petrović D., Ostojić G., Stankovski S.: DESIGN, MODELLING AND MOTION SIMULATION OF THE REMONTOIRE MECHANISM, Transactions of FAMENA, 2011, Vol. 35, No 2, pp. 79-93, ISSN 1333-1124.

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:	Petrović A. Živojin
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Agriculture - Novi Sad
	01.10.2010
Scientific or art field:	Social Science

Academic carieer	Year	Institution	Field
Academic title election:			

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	IM1003	Sociology of Work	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Ž. Petrović (ur.) (2007) Sistem informacija u poljoprivrednom savetodavstvu Vojvodine. Poljoprivredni fakultet, Novi Sad, str. 1-290. ISBN: 978-86-7520-153-3
2.	Ž. Petrović, D. Janković (2010) Poljoprivredno savetodavstvo Srbije – stanje, problemi i mogućnosti reforme. Poljoprivredni fakultet, Novi Sad, str. 1-201. ISBN: 978-86-7520-186-
3.	J. Čikić, Ž. Petrović (2010) Organska proizvodnja i poljoprivredna gazdinstva Srbije – ruralnosociološka analiza. Poljoprivredni fakultet, Novi Sad, str. 1-145. ISBN: 978-86-7520-187-8
4.	Ž. Petrović (1998) Uloga obrazovanih profesionalnih grupa u širenju znanja u seljačkoj poljoprivredi. U: Rezimei referata sa IV naučnog skupa „Inteligencija i selo". Zavod za sociologiju razvoja sela, Jugoslovensko udruženje za sociologiju sela i poljoprivrede, Vlasina, str. 107-108.
5.	M. Mitrović, Ž. Petrović (1995) Aktualni problemi našeg sela. (uvodni referat na IV Kongresu o hrani). u: Razvoj agroindustrijske proizvodnje Jugoslavije, knj. I, Beograd, s. 103-123. UDK: 63(497.1)(063)
6.	M. Mitrović, Ž. Petrović (1995) Aktualni problemi našeg sela. (uvodni referat na IV Kongresu o hrani). u: Razvoj agroindustrijske proizvodnje Jugoslavije, knj. I, Beograd, s. 103-123. UDK: 63(497.1)(063)
7.	Ž. Petrović, D. Janković, J. Samardžija (2004) Obeležja savetodavnog rada poljoprivrednih stanica Vojvodine. U: Kapital u poljoprivredi. Ekonomski fakultet – Subotica, Institut za ekonomiku poljoprivrede – Beograd, Poljoprivredni fakultet, Departman za ekonomiku poljoprivrede i sociologiju sela – Novi Sad, Palić, s. 173-186. ISBN: 86-7233-097-8, UDK: 005:63(082), 63:336(082)
8.	J. Samardžija, Ž. Petrović, J. Simić (2004) Uloga poljoprivrednih stanica Vojvodine u edukaciji seljaka za modernu poljoprivrednu proizvodnju. U: Kapital u poljoprivredi. Ekonomski fakultet – Subotica, Institut za ekonomiku poljoprivrede – Beograd, Poljoprivredni fakultet, Departman za ekonomiku poljoprivrede i sociologiju sela – Novi Sad, Palić, s. 187-198. ISBN: 86-7233-097-8, UDK: 005:63(082), 63:336(082
9.	Ž. Petrović, J. Čikić (2005) Participacija i održiv razvoj lokalnih seoskih zajednica. U: Ruralni razvoj i zaštita životne sredine. Zavod za sociologiju razvoja sela, Jugoslovensko udruženje za sociologiju sela i poljoprivrede, Balkanska asocijacija za sociologiju sela i poljoprivrede, Institut za agroekonomiju Poljoprivrednog fakulteta u Beogradu, Vlasotince – Vlasinsko jezero, s. 14. ISBN: 86-902797-2-5, UDK: 338.43(082), 631.95(082)
10.	Petrović Ž., M. Miladinović, J. Čikić (2006) Proizvodnost istraživača u poljoprivrednim naukama Vojvodine. U: Tripković, M. (ur.) Socijalni kapital i integrativni potencijali AP Vojvodine i Republike Srbije. Filozofski fakultet – Novi Sad. ISBN: 86-80271-39-X, UDK: 316.422 (497.11) (048.3), 316.422 (497.113) (048.3)

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:	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:	Radivojević D. Radoš
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1991
Scientific or art field:	Sociology

Academic carieer	Year	Institution	Field
Academic title election:	2001	Faculty of Technical Sciences - Novi Sad	Sociology
PhD thesis	1990	Faculty of Philosophy - Novi Sad	Sociology
Magister thesis	1983	Faculty of Philosophy - Beograd	Sociology
Bachelor's thesis	1973	Faculty of Philosophy - Beograd	Sociology

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	E106	Sociology of Technique	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E251	Sociological Aspects of Technical Development	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
			(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
3.	E251A	Sociological Aspects of Technical Development	(E20) Computing and Control Engineering, Undergraduate Academic Studies
			(ES0) Power Software Engineering, Undergraduate Academic Studies
4.	F108	Sociology of Culture	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	GG02	Sociology and Economics in Civil Engineering	(G00) Civil Engineering, Undergraduate Academic Studies
6.	GG105	Sociology of Work	(G00) Civil Engineering, Undergraduate Academic Studies
7.	M318	Sociology of Technique	(F10) Engineering Animation, Undergraduate Academic Studies
			(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
			(H00) Mechatronics, Undergraduate Academic Studies
8.	Z310	Social Ecology	(Z20) Environmental Engineering, Undergraduate Academic Studies
9.	A206	Sociology and Economy of the Built Enviroment	(A00) Architecture, Undergraduate Academic Studies
10.	ASO311	Sociology of Art and Culture	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
11.	ETI41	Sociology of Technique	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
12.	IM1003	Sociology of Work	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
13.	A005S	Urban sociology and economics: selected chapters	(A00) Architecture, Specialised Academic Studies
14.	ZRMI3A	Sociological and Legal Aspects of Occupational Safety	(Z01) Safety at Work, Master Academic Studies
15.	A005	Urban Sociology and Economics – Selected Chapters	(A00) Architecture, Doctoral Academic Studies
Representative refferences (minimum 5, not more than 10)			
1.	Sociologija nauke, Stylos, Novi Sad, 1997.		
2.	Tehnika i društvo, Fakultet tehničkih nauka, Novi Sad, 2003.		
3.	Sociologija naselja, Fakultetet tehničkih nauka, Novi Sad, 2004.		

	Representative refferences (minimum 5, not more than 10)				
4.	Fakultet tehničkih nauka-Razvoj, delatnost, rezultati, Novi Sad, 2006.				
5.	Karakteristike inženjersko ekonomskog proučavanja organizacije rada, Sociološki pregled br. 1-2, Beograd, 1984.				
6.	Socijalizam kao neproduktivni sistem, Sociološki pregled br 1-2, Beograd, 1994.				
7.	Karakteristike empirijskog proučavanja organizacije rada, Sociologija br 4, 1985.				
8.	Milićeva sociogija saznanja, Sociogija br 4, Beograd, 1997.				
9.	Socio-psychological consequnences of the flood-an Example of Jasa Tomic, Editors:Stevan Bruk&Tiosav Petkovic, Belgrade, 2006.				
10.	Gordana Vuksanović, Radoš Radivojević, THE ROLE OF CHILDREN IN INVESTIGATING AND ELIMINATING THE CONSEQUENCES OF NATURAL DISASTERS				
	Summary data for teacher's scientific or art and professional activity:				
Quotation total :		0			
Total of SCI(SSCI) list papers :		3			
Current projects :		Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Radlovački S. Vladan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.11.1992
Scientific or art field:	Quality, Effectiveness and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Engineering Management

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1014	Product measurement and control techniques	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1036	Methods and techniques of quality improvement	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	IM1020	Quality Management System	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1037	Environmental Management System	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1606	Designing, Auditing and Analyses of Quality Management System	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1612	Methods and techniques of quality system improvements	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1613	Product measurement and control techniques	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1616	Quality planning	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1617	Quality Managament System in Service Provision	(I20) Engineering Management, Undergraduate Academic Studies
10.	IM1619	Quality and Procurement	(I20) Engineering Management, Undergraduate Academic Studies
11.	IM1622	Information Security Management System	(I20) Engineering Management, Undergraduate Academic Studies
12.	I503	Models of Excellence in Quality Management Systems	(I10) Industrial Engineering, Master Academic Studies
13.	I504	Integrated Management Systems	(I10) Industrial Engineering, Master Academic Studies
14.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
15.	I309	Quality Management System	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	LIM21	Total Quality Management and Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
17.	I912	Process approach and quality	(I10) Industrial Engineering, Master Academic Studies
18.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
19.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
20.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
21.	IM2613	Models of Excellence in Quality Management Systems	(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
22.	IM2614	Integrated Management Systems	(I20) Engineering Management, Master Academic Studies
23.	IM2616	Product and service quality improvement - lean six sigma	(I20) Engineering Management, Master Academic Studies
24.	IM2617	Information Systems to Support Quality, Logistics and Maintenance	(I20) Engineering Management, Master Academic Studies
25.	IM2623	Total Quality Management	(I20) Engineering Management, Master Academic Studies
26.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
27.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
28.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
30.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
32.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
33.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
34.	ZRD212	Integrating occupational health and safety requirements into management systems	(Z01) Safety at Work, Doctoral Academic Studies
35.	ZRD213	Current state and development tendencies of quality management of work environment	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Radlovački V., Beker I., Majstorović V., Pečujlija M., Stanivuković D., Kamberović B.: Quality Managers' Estimates of Quality Management Principles Application in Certified Organisations in Transitional Conditions - Is Serbia Close to TQM, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 11, pp. 851-861, ISSN 0039-2480

2. Delić M., Radlovački V., Kamberović B., Vulanović S., Hadžistević M., Tasić N.: ESTIMATES OF QUALITY MANAGEMENT SYSTEMS IN SERBIA , Metalurgia international, 2013, No 4, ISSN 1582-2214

3. Jovanović R., Radlovački V., Pečujlija M., Kamberović B., Delić M., Grujić J.: Assessment of blood donors' satisfaction and measures to be taken to improve quality in transfusion service establishments, Medicinski glasnik (BiH), 2012, Vol. 9, No 2, pp. 231-237

4. Radlovački V., Pečujlija M., Kamberović B., Jovanović R., Delić M., Beker I.: SATISFACTION OF HIGH SCHOOL STUDENTS WITH THE APPLICABILITY OF THEIR KNOWLEDGE, TTEM. Tehnics tehnologies education management, 2012, Vol. 7, No 2, pp. 777-785, ISSN 1840-1503

5. Radlovački V.: Opšti procesni model i ocenjivanje efikasnosti sistema menadžmenta kvalitetom u skladu sa zahtevima serije standarda ISO 9000, Novi Sad, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, FTN Izdavaštvo, 2011, ISBN 978-86-7892-346-3, UDK: 005.336.3   006.83

6. Kamberović B., Radlovački V.: RAZVOJ I STRUKTURA STANDARDA SISTEMA KVALITETA u knjizi: Dr Vojislav Vulanović, Dragutin Stanivuković, Bato Kamberović, R. Maksimović, Nikola Radaković, V. Radovački, M. Šilobad: SISTEM KVALITETA ISO 9001:2000, Novi Sad, Fakultet tehničkih nauka - Institut za industrijske sisteme i IIS-Istraživački i tehnološki centar, 2007, str. 7-38, ISBN 978-86-907041-3-2, UDK: 005.336.3 006.83

7. B. Kamberović, N. Radaković, V. Radlovački: ZNAČAJ UPRAVLJANJA DOKUMENTACIJOM SISTEMA KVALITETA ZA UNAPREĐENJE PROCESA RADA, Rad saopšten na VII međunarodnoj konferenciji "Fleksibilne tehnologije", Zbornik radova konferencije, str. 87-88, Novi Sad, jun 2000.

8. V. Radlovački, B. Kamberović, M. Brkić: SISTEM ZA UPRAVLJANJE ZAPISIMA KAO POGODNA OSNOVA ZA PROJEKTOVANJE INFORMACIONOG SISTEMA, 4. međunarodni kongres Kvalitet - Most ka Evropi, Beograd, 29 - 31. maj 2002., rad objavljen u zborniku radova u elektronskoj formi (CD), objavljen u časopisu Menadžment totalnim kvalitetom, YUSQ, Beograd, No 3-4, Vol 30, str. 145-150, UDK 658.5, YU ISSN 0354-9771

9. Štrbac B., Hadžistević M., Vrba I., Radlovački V., Hodolič J.: Analysis of Influencing Factors on Stylus Calibration of CMM, 22. DAAAM International Symposium, Vienna: DAAAM International Viena, 23-26 Novembar, 2011, pp. 1665-1666, ISBN 978-3-901509-83-4, UDK: 1726-9679

10. 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

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

Quotation total :	0		
Total of SCI(SSCI) list papers :	6		
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Ristić M. Sonja
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2006
Scientific or art field:	Information-Communication Systems

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2003	Faculty of Economics - Subotica	Information-Communication Systems
Magister thesis	1994	Faculty of Economics - Subotica	Information-Communication Systems
Bachelor's thesis	1989	Faculty of Economics - Subotica	Economics
Bachelor's thesis	1983	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.	Z201	Fundamentals of Computer Technologies	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	Z201A	Fundamentals of Computer Technologies	(Z01) Safety at Work, Undergraduate Academic Studies
3.	ISIT3A	Metodologije i sistemi za upravljanje IT resursima	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	H401	Object Oriented Technologies	(H00) Mechatronics, Undergraduate Academic Studies
5.	II1002	Computer Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	IM1010	Fundamentals of Information Technologies	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1506	Database Design	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1512	Object-oriented Infromation Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1516	Database Systems	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
10.	IM1519	Information System Architecture and Computer Networks	(I20) Engineering Management, Undergraduate Academic Studies
11.	SE0016	Databases	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
			(SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	IMDS33	Structures of Modern Information and Communication Systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
13.	IMDS36	Advanced data models and database systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
14.	PLM11	Product Data Management	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
15.	LIM02	Business Information Systems	(LIM) Logistic Engineering and Management, Master Academic Studies
16.	E2537	IT Resources Management	(SE0) Software Engineering and Information Technologies, Master Academic Studies

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

	ID	Course name	Study programme name, study type
17.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies
18.	IM2513	Data Warehouse Design	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies
20.	PLM04	Product Data Management	(I20) Engineering Management, Specialised Professional Studies
21.	IMDR33	Structures of Modern Information and Communication Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
22.	IMDR36	Advanced Data Models and Database Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
23.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Luković I., Popović A., Mostić J., Ristić S.: A Tool for Modeling Form Type Check Constraints and Complex Functionalities of Business Applications, Computer Science and Information Systems (ComSIS), 2010, Vol. 7, No 2, pp. 359-385, ISSN 1820-0214

2. Lukovic I, Mogin P, Pavicevic J, Ristic S, An Approach to Developing Complex Database Schemas Using Form Types, Software: Practice and Experience, Volume 37, Issue 15, Pages 1621-1656, December 2007. Online ISSN: 1097-024X Print ISSN: 0038-0644 Copyright 2007 John Wiley & Sons, Ltd. Hoboken, USA,   Published Online: May 29 2007 12:28PM DOI: 10.1002/spe.820

3. Aleksić S., Ristić S., Luković I., Čeliković M.: A Design Specification and a Server Implementation of the Inverse Referential Integrity Constraints, Computer Science and Information Systems (ComSIS), 2013, Vol. 10, ISSN 1820-0214 (Accepted for publishing)

4. Ristić S., Luković I., Pavićević J., Mogin P.: Resolving Database Constraint Collisions Using IIS*Case Tool, Journal of Information and Organizational Sciences (JIOS), 2007, Vol. 31, No 1, pp. 187-206, ISSN 1846-3312, UDK: 004.651

5. Luković I., Ristić S., Mogin P., Pavićević J.: Database Schema Integration Process – A Methodology and Aspects of Its Applying, Novi Sad Journal of Mathematics, 2006, Vol. 36, No 1, pp. 115-150, ISSN 1450-5444

6. Luković I., Mogin P., Govedarica M., Ristić S.: The Structure of A Subschema and Its XML Specification, Journal of Information and Organizational Sciences (JIOS), 2002, Vol. 26, No 1-2, pp. 69-85, ISSN 1846-3312

7. Ristić S., Aleksić S., Luković I., Banović J.: Form-Driven Application Development, Acta Electrotechnica et Informatica, Faculty of Electrical Engineering and Informatics, Technical University Kosice, 2012, Vol. 12, No 1, pp. 9-16

8. Ristić S.: Lean Thinking Principles in the Context of Model-Driven Software Development, 1. International Scientific Conference on Lean Technologies - LeanTech, Novi Sad: Faculty of Technical Sciences, 13-14 Septembar, 2012, pp. 233-239, ISBN 978-96-7892-445-3

9. Ristić S., Luković I., Aleksić S., Banović J., Al-Dahoud A.: An Approach to the Specification of User Interface Templates for Business Applications, 5. Balkan Conference in Informatics, Novi Sad: ACM New York, USA, 16-20 Septembar, 2012, pp. 124-129, ISBN 978-1-4503-1240-0

10. Ristić S., Rakić-Skoković M., Al-Dahoud A.: An Overview of the Approaches for A PLM Application's Customization, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, pp. 217-222, ISBN 978-86-7892-341-8

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

Quotation total :	14		
Total of SCI(SSCI) list papers :	3		
Current projects :	Domestic :	2	International :	2

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:	Spasić T. Dragan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1985
Scientific or art field:	Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	2005	Faculty of Technical Sciences - Novi Sad	Mechanics
PhD thesis	1993	Faculty of Technical Sciences - Novi Sad	Mechanics
Magister thesis	1991	Faculty of Mathematics - Beograd	Mechanics
Bachelor's thesis	1884	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems

	ID	Course name	Study programme name, study type
1.	A207	Mechanics	(A00) Architecture, Undergraduate Academic Studies
			(F10) Engineering Animation, Undergraduate Academic Studies
2.	H112	Mechanics 1 – Fundamentals	(H00) Mechatronics, Undergraduate Academic Studies
			(S00) Traffic and Transport Engineering, Undergraduate Academic Studies
3.	H201	Mechanics 2 - General	(H00) Mechatronics, Undergraduate Academic Studies
4.	H303	Mechatronics 3 – Further Chapters	(H00) Mechatronics, Undergraduate Academic Studies
5.	I600	Industrial Robotics	(F10) Engineering Animation, Undergraduate Academic Studies
			(MR0) Measurement and Control Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	M4302	Biomechanics and mechanics of sport	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
7.	ASO	Introduction to engineering	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
8.	BMI127	Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
			(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	BMI128	Continuum Biomechanics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	BMI96	Mechanics	(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.	M44061	Optimization of mechanical systems	(M40) Technical Mechanics and Technical Design, Undergraduate 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.	DM406	Nonsmooth Mechanics and Optimization	(H00) Mechatronics, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	DZ003	Selected Chapters in Mechanics	(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
19.	ZD051	Applications of optimal control theory in living environment protection	(Z00) Environmental Engineering, Doctoral Academic Studies
20.	DM801	Biomedical mechanics	(M40) Technical Mechanics, Doctoral Academic Studies
21.	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
22.	DTM03	Biomechanical models and analysis of impact	(M40) Technical Mechanics, Doctoral Academic Studies
23.	ZRD16A	Selected chapters in mechanics and elasticity theory	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Spasić D., Glavardanov V.: Does generalized elastica lead to bimodal optimal solutions?, International Journal of Solids and Structures, 2009, Vol. 46, No 14-15, pp. 2939-2949, ISSN 0020-7683
2.	Grahovac N., Žigić M., Spasić D.: On impact scripts with both fractional and dry friction type of dissipation, INT J BIFURCAT CHAOS, 2012, No Prihvaćen za štampu, ISSN 0218-1274
3.	D. T. Spasic and T. M. Atanackovic (2004), "Bimodal optimization of a compressed rotating rod", Acta Mechanica, 173, N 1-4, 77-87
4.	Spasić D.: Optimizing the elctrodynamical stabilization method for a man-made Earth satellite, AUTOMAT REM CONTR , 2011, Vol. 72, No 9, pp. 112-121, ISSN 0005-1179
5.	Petrović Lj., Spasić D., Atanacković T.: On a mathematical model of a human root dentin , Dental Materials, 2005, Vol. 21, pp. 125-128, ISSN 0109-5641
6.	Mitić G., Spasić D.: Clinical Characteristic and type of thrombophilia in women with pregnancy-related venous thromboembolic disease, GYNECOL OBSTET INVES, 2011, Vol. 72, No 2, pp. 103-108, ISSN 0378-7346
7.	T. M. Atanackovic and D. T. Spasic, (2004): "On viscoelastic compliant contact-impact models", Transactions of ASME Journal of Applied Mechanics, 71, 134-138
8.	Radovic R., Spasic D.T., Karadzic B., Novakovic B., Atanackovic J., Jelicic Z.. and Tepavcevic B., (2002), ""New challenges and opportunities for the city of Novi Sad"", Coordinated by T. Atanackovic, The Danube Commision of EU and The University of Novi Sad, (monograph 157 pages in English and Serbian)
9.	Spasić D.: Boudary elements, theory and applications (English to serbian traslation done by D.T. Spasić), Beograd, Gradjevinska knjiga, 2011
10.	BD Vujanović, DT Spasić: Metodi optimizacije: primenjeni varijacioni račun, analitička mehanika, optimalno upravljanje, UNS, 1997.

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

Quotation total :	16			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	1	International :	0

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:	Stefanović M. Darko
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.02.2001
Scientific or art field:	Information-Communication Systems

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Information-Communication Systems

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II1018	Design of Information Systems	(I10) Industrial Engineering, Undergraduate Academic Studies
2.	II1039	Resource planning systems in manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1049	Manufacturing documentation management (DMS)	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1029	Information and communication systems	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1048	Enterprise resource planning systems	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1514	Web-oriented Technologies and Systems	(I20) Engineering Management, Undergraduate Academic Studies
7.	IMDS33	Structures of Modern Information and Communication Systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
8.	IMDS37	CAE/CAD/CAM and CIM Concepts and Systems	(I12) Industrial Engineering, Specialised Academic Studies
9.	I913	Expert systems and tools for knowledge management	(I10) Industrial Engineering, Master Academic Studies
10.	IIDS8	Selected chapters from Information, management and communication systems	(GI0) Geodesy and Geomatics, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
11.	IM2507	Automation of production systems management	(I10) Industrial Engineering, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
12.	IM2515	Principles and methods of protecting data and software	(I20) Engineering Management, Master Academic Studies
13.	IM2517	e Government systems	(I20) Engineering Management, Master Academic Studies
14.	IM2522	Software testing principles and methods	(I10) Industrial Engineering, Master Academic Studies
			(I20) Engineering Management, Master Academic Studies
15.	IMDS73	Selected chapters from Information management	(I22) Engineering Management, Specialised Academic Studies
16.	IMDR33	Structures of Modern Information and Communication Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR73	Selected chapters from Information management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
18.	IMDR81	Selected chapters from Information, management and communication systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)
1. Prilog istraživanju uslova za integraciju savremenih ICT u poslovanju industrijskih proizvodno – poslovnih sistema
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	Representative refferences (minimum 5, not more than 10)
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5.	Andraš ANDERLA, Branko BRKLJAČ, Darko STEFANOVIĆ, Cvijan KRSMANOVIĆ, Srđan SLADOJEVIĆ, Dubravko ĆULIBRK (2013). 3D RECONSTRUCTION FROM MRI IMAGES. Metalurgia International, ISSN 1582-2214, no. 4-2013.
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7.	Suzić N., Anderla A., Stefanović D., Veža I., Sremčev N. (2012). Successsfully Solving the Configuration of Mass Customized Products, Proceedings – the Seventh International Symposium "KOD 2012", 24. – 26. May 2012, Balaton Fured, Hungary, Faculty of Technical Sciences, Novi Sad, Serbia, p. 75-78, 978-86-7892-399-9
8.	Stefanović D., Rakić Skoković M., Mirković M., Anderla A., Rašić D. (2011). Contemporary Software Business Suites as a Company's Competitive Advantage, Proceedings / XV International Scientific Conference on Industrial Systems (IS'11), Novi Sad, Serbia, p. 240-246, 978-86-7892-341-8
9.	Rakić-Skoković M., Stefanović D., Krsmanović C. (2011). Paradigms and Approaches in Development and Implementation of Enterprise Information Systems in the Future, Proceedings / XV International Scientific Conference on Industrial Systems (IS'11), Novi Sad, Serbia, p. 247-253, 978-86-7892-341-8
10.	Milan Mirković, Dubravko Ćulibrk, Andraš Anderla, Darko Stefanović, Stevan Milisavljević (2011). A framework for obtaining publicly available geo-referenced video meta-data, Proceedings / XV International Scientific Conference on Industrial Systems (IS'11), Novi Sad, Serbia, p. 223-228, 978-86-7892-341-8

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

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

	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)
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4.	Using Internet in English Language Teaching, NEW EDUCATIONAL REVIEW, (2011), vol. 26 br. 4, str. 45-59.
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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:	Šešlija D. Dragan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.06.1985
Scientific or art field:	Mechatronics, Robotics and Automation and Integral Systems

Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1997	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	1989	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Bachelor's thesis	1981	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.	H1401	Material Handling Technologies	(H00) Mechatronics, Undergraduate Academic Studies
2.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1504	Computer Integration of Production Systems	(H00) Mechatronics, Undergraduate Academic Studies
4.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
5.	II102	The basic theory of industrial systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
6.	II1000	Fundamentals of industrial engineering and management	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	II1011	Automation of work processes 1	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	II1013	Material Handling Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1029	Computer integrated manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	II1038	Automation of work processes 2	(I10) Industrial Engineering, Undergraduate Academic Studies
11.	II1042	Automation of Continual Processes	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	IM1001	Fundamentals of industrial engineering	(I20) Engineering Management, Undergraduate Academic Studies
13.	IM1117	Computer integrated manufacturing (CIM)	(I20) Engineering Management, Undergraduate Academic Studies
14.	H505	Implementation of automated systems	(H00) Mechatronics, Master Academic Studies
			(I10) Industrial Engineering, Master Academic Studies
15.	HDOK4S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
16.	I829	Automation of packaging processes	(I10) Industrial Engineering, Master Academic Studies
17.	I830	Energy efficiency of compressed air systems	(I10) Industrial Engineering, Master Academic Studies
18.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
19.	PLM04	Sustainable Production and LCA	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
20.	LIM34	Material Handling	(LIM) Logistic Engineering and Management, Master Academic Studies
21.	NIT02	Factory Automation	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
22.	NIT05	Advanced Technology for Material Handling	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
23.	BMIM4C	Fluid filtration and separation	(BM0) Biomedical Engineering, Master Academic Studies
24.	I911	Sustainable production	(I10) Industrial Engineering, Master Academic Studies

	ID	Course name	Study programme name, study type
25.	IIDS27	Selected chapters of the energy efficiency of automated systems	(I12) Industrial Engineering, Specialised Academic Studies
26.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
27.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
28.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies
30.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR86	Selected chapters from energy efficiency of compressed air systems	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
32.	IMDR80	Selected chapters in automation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

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2. Dudić S., Ignjatović I., Šešlija D., Blagojević V., Miodrag S.: Leakage quantification of compressed air using ultrasound and infrared thermography, MEASUREMENT, 2012, Vol. 45, No 7, pp. 1689-1694, ISSN 0263-2241

3. Ignjatović I., Šešlija D., Tarjan L., Dudić S.: Wireless sensor system for monitoring of compressed air filters, Journal of Scientific and Industrial Research (JSIR), 2012, Vol. 71, No 5, pp. 334-340, ISSN 0022-4456

4. Dudić S., Ignjatović I., Šešlija D., Blagojević V., Stojiljković M.: Leakage quantification of compressed air on pipes using thermovision, Thermal Science, 2012, Vol. 16, No 2, pp. 621-631, ISSN 0354-9836

5. Čajetinac S., Šešlija D., Aleksandrov S., Todorović M.: PLC Controller used for PWM Control and for Identification of Frequency Characteristics of a Pneumatic Actuator, Electronics and electrical engineering, 2012, Vol. 123, No 7, pp. 21-26, ISSN 1392-1215

6. Blagojević V., Šešlija D., Stojiljković M., Dudić S.: Efficient control of servo pneumatic actuator system utilizing by-pass valve and digital sliding mode, Sadhana - Academy Proceedings in Engineering Science, 2012, ISSN 0256-2499

7. Blagojević V., Šešlija D., Miodrag S.: Cost effectiveness of restoring energy in execution part of pneumatic system, Journal of Scientific and Industrial Research, 2011, Vol. 70, pp. 170-176, ISSN 0022-4456

8. Šešlija D., Ignjatović I., Dudić S., Lagod B.: Potential energy savings in compressed air systems in Serbia, African Journal of Business Management, 2011, Vol. 5, No 14, pp. 5637-5645, ISSN 1993-8233

9. Šešlija D., Ignjatović I., Dudić S.: Increasing the Energy Efficiency in Compressed Air Systems, Rijeka, InTech, 2012, str. 151-174, ISBN 978-953-51-0800-9

10. Stankovski S., Šešlija D., Rakić-Skoković M., Ostojić G.: Primena RFID tehnologije u automatizaciji, Novi Sad, Centar za automatizaciju i mehatroniku, 2009, ISBN 978-86-907827-3-4

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

Quotation total :	10			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	0	International :	3

Science, arts and professional qualifications

Name and last name:		Šević D. Dragoljub	
Academic title:		Assistant Professor	
Name of the institution where the teacher works full time and starting date:		Faculty of Technical Sciences - Novi Sad	
		15.03.2001	
Scientific or art field:		Quality, Effectiveness and Logistics	

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Quality, Effectiveness and Logistics
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering
Bachelor's thesis	1999	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	II323	Environmental management system	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
2.	II1016	Reliability of technical systems and Maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
3.	II1025	Design, Verification and Analysis of the Environmental Management System	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	II1040	Organization and mamanagement of maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
5.	II1043	Maintenance techniques and technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	IM1036	Reliability Theory	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1037	Environmental Management System	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1615	Maintenance of Technical Equipment	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1620	Reverse and Green Logistic	(I20) Engineering Management, Undergraduate Academic Studies
10.	I501	Risk Management	(I10) Industrial Engineering, Master Academic Studies
11.	I841	Spare parts management	(I10) Industrial Engineering, Master Academic Studies
12.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	PLM10	Product Servicing and Maintenance	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
14.	LIM31	Reverse and Green Logistics	(LIM) Logistic Engineering and Management, Master Academic Studies
15.	IIDS12	Quality and organizational performance	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
16.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
17.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
18.	IM2607	Risk management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IM2620	Lean Maintenance	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
20.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
21.	ZP516	Technical Systems Reliability	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
22.	IMDR94	Trends in the environmental management systems	(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
23.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
24.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Brkljač N., Šević D., Beker I., Kesić I., Milisavljević S.: Procedure for treatment of hazardous waste by MID-MIX procedure in Serbia, International Journal of the Physical Sciences, 2012, Vol. 7, No 18, pp. 2639-2646, ISSN 1992-1950
2.	Jocanović M., Šević D., Karanović V., Beker I., Dudić S.: Increased Efficiency of Hydraulic Systems Through Reliability Theory and Monitoring of System Operating Parameters, Strojniški vestnik - Journal of Mechanical Engineering, 2012, Vol. 58, No 4, pp. 281-288, ISSN 0039-2480
3.	D. Šević, I. Beker „Projektovanje greda na bazi pouzdanosti", Naučno – stručni skup ISTRAŽIVANJE I RAZVOJ MAŠINSKIH ELEMENATA I SISTEMA – Jahorina – IRMES 2002., Srpsko Sarajevo – Jahorina, Septembar 2002
4.	D. Šević, I. Beker „Zahtevi standarda ISO 9000:2000 i njihova primena u održavanju", XXVI Majski skup održavalaca Jugoslavije, Novi Sad, 22-24. maj 2002
5.	N. Stefanović, N. Radaković, D. Šević "Primena softverskog sistema za upravljanje poslovnim procesima na sistema menadžmenta kvalitetom ISO 9001:2000", XIII Naučna konferencija INDUSTRIJSKI SISTEMI IS 2005, Herceg Novi, Srbija i Crna Gora, Septembar 2005
6.	Ušćebrka G., Žikić D., Stojanović S., Šević D.: An Example of Model of Estimating the Level of Biological Risk On Farms Based On the Gap Requirements, Veterinary Medicine, , UDK: 619
7.	Šević D., Ušćebrka G., Milisavljević S., Brkljač N.: MODEL VREDNOVANJA ZNAČAJNOSTI UTICAJA NA ŽIVOTNU SREDINU SA STANOVNIŠTVA ZAHTEVA STANDARDA ISO 14001:2004, UDK: 658.5
8.	Šević D., Stefanović N., Prokopić L.: Upotreba podataka i informacija koji se odnose na vrednovanje učinka na zaštiti životne sredine, International Journal Total Quality Management
9.	Beker I., Stanivuković D., Šević D.: Postupak za ocenu uspešnosti održavanja , 26. Majski skup održavalaca Jugoslavije, Novi Sad: Fakulte tehničkih nauka, 1 Maj, 2002, str. 87-93, UDK: 621-772
10.	mr Dragoljub Šević, mr Slobodan Morača, M.Sc. Stevan Milisavljević "Planiranje učinka zaštite životne sredine", XIV Međunarodna naučna konferencija INDUSTRIJSKI SISTEMI IS 2008, Novi Sad, Srbija, 2-3. Oktobar 2008, str. 363-367, UDK 685.5, ISBN 978-86-7892-135-3

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 :	1

Science, arts and professional qualifications

Name and last name:	Škorić N. Branko
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	21.03.1985
Scientific or art field:	Surface Engineering, Micro and Nano Technologies

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Surface Engineering, Micro and Nano Technologies
PhD thesis	2001	Faculty of Technical Sciences - Novi Sad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano
Bachelor's thesis	1984	Faculty of Technical Sciences - Novi Sad	Casting and Thermal Processing Technology and Surface Engineering, Micro and Nano

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	P105	Heat Processing	(P00) Production Engineering, Undergraduate Academic Studies
2.	P110	Casting Technology	(P00) Production Engineering, Undergraduate Academic Studies
3.	P210	Surface Engineering	(P00) Production Engineering, Undergraduate Academic Studies
4.	P211	Devices and Plasma Procedures in Mechanical Engineering	(P00) Production Engineering, Undergraduate Academic Studies
5.	P2402	Designing of Thermal Processing Technologies	(P00) Production Engineering, Undergraduate Academic Studies
6.	P2403	Contemporary Casting Technologies	(P00) Production Engineering, Undergraduate Academic Studies
7.	P3401	Characteristics and Application of Plastic Materials	(P00) Production Engineering, Undergraduate Academic Studies
8.	P3405	Thermal Processing of Contemporary Tools	(P00) Production Engineering, Undergraduate Academic Studies
9.	II1001	Engineering materials	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	ZRI42A	Safety at work in metallurgy and thermochemical treatment of metal	(Z01) Safety at Work, Undergraduate Academic Studies
11.	P2503	Process Design in Casting Technology	(PM0) Production Engineering, Master Academic Studies
12.	P2507	Nanotechnologies	(M40) Technical Mechanics and Technical Design, Master Academic Studies
			(PM0) Production Engineering, Master Academic Studies
13.	PP2I11	Mechanical Engineering in Medicine and Bioengineering	(PM0) Production Engineering, Master Academic Studies
14.	SMI002	Modeling and simulation of thermo chemical and metallurgical processes	(PM0) Production Engineering, Master Academic Studies
15.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
16.	DP004	Advanced Technologies in Casting and Heat Treatment	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DP007	Procedures of Plasma Depozition	(M00) Mechanical Engineering, Doctoral Academic Studies
18.	DP011	Nanotechnologies and Nanomaterials Forming	(M00) Mechanical Engineering, Doctoral Academic Studies
19.	DP014	Nano and Micro Layers Characterization	(M00) Mechanical Engineering, Doctoral Academic Studies
20.	ZRD213	Current state and development tendencies of quality management of work environment	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)	
1.	Škorić B., Kakaš D., Influence of type of plasma coatings on friction coeficient and contact temperature on wear of tool steel, Oxidation Communications, vol.17, Bulgarian-English Academic Publishing House ,1994, 214-219
2.	Škorić B., Kakaš D., Tribologycal behaviour of TiN and TiAlN deposited layers on substrates plasma nitrided at low pressure, Materials and Manufacturing Processes, Vol 10, 1 ,New York, USA,1995, 133-138
3.	Škorić B., KakaŠ D., Sovilj B., Microstructural and tribological study of magnetron sputtered coating, Journal of the Balkan Tribological Association, Vol.3, No.3, 1997,142-147.

	Representative refferences (minimum 5, not more than 10)
4.	Škorić B., Kakaš D., Influence of plasma Nitriding on Mechanical and Tribological Properties of Steel with subsequent PVD Surface Treatments., Thin Solid Films, Elsevier Science, Oxford, England, 317 ,1998, 486-489
5.	Škorić B., Kakaš D., Examination of tribological properties of plasma surface layer using special test equipment, Computer Standards & Interfaces, Elsevier Science, Oxford, England, Volume 21, Issue 2, 1999, 123.
6.	Kakaš D., Škorić B., Rakita M., Tribological behavior of duplex coating improved by ion implantataion, Thin Solid Films, Elsevier Science, Oxford, England, Volume 459, Issues 1-2, Oxford, England, 2004, 152-155.
7.	Škorić B., Kakaš D., Rakita M., Bibić N., Peruško D Structure, hardness and adhesion of TiN coatings deposited by PVD and IBAD on nitrided steels, Vacuun, Pergamon, England, Volume 76, Issue 2-3, 2004,169-172
8.	Škorić B., Kakaš D., Bibić N., Rakita M., Microstructural studies of TiN coatings prepared by PVD and IBAD, Surface Science, Elsevier Science B V , North-Holland, Volumes 566-568, Part 1, 2004, 40-44.
9.	Škorić B., Kakaš D., Karakterizacija mikro i nano slojeva, monografija, FTN, Novi Sad, 2007
10.	Škorić B.: Tribological characterizationof duplex coatings with additional ion bombardment, Brussels, European science foundation, 2008, str. 289-299, ISBN 978-92-898-0040-2

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	38			
Total of SCI(SSCI) list papers :	16			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Šormaz N. Dušan
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2009		Production Systems, Organization and Management
Magister thesis	1995	University of Southern California - Nepoznato	Computer Science
PhD thesis	1994	University of Southern California - Nepoznato	Engineering Management
Magister thesis	1985	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1979	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology

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

	ID	Course name	Study programme name, study type
1.	H1403	Automation of work processes	(H00) Mechatronics, Undergraduate Academic Studies
2.	H1504	Computer Integration of Production Systems	(H00) Mechatronics, Undergraduate Academic Studies
3.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
4.	II102	The basic theory of industrial systems	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
5.	II1000	Fundamentals of industrial engineering and management	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	II1013	Material Handling Technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	IM1719	Implementation of information systems in insurance	(I20) Engineering Management, Undergraduate Academic Studies
8.	EE546	Entrepreneurship in Electrical Engineering	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
9.	H505	Implementation of automated systems	(H00) Mechatronics, Master Academic Studies
			(I10) Industrial Engineering, Master Academic Studies
10.	I829	Automation of packaging processes	(I10) Industrial Engineering, Master Academic Studies
11.	I830	Energy efficiency of compressed air systems	(I10) Industrial Engineering, Master Academic Studies
12.	IMDS56	Product traceability during the lifetime	(I12) Industrial Engineering, Specialised Academic Studies
13.	IMDS57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I12) Industrial Engineering, Specialised Academic Studies
14.	IMDS62	Integration of business processes of companies	(I22) Engineering Management, Specialised Academic Studies
15.	IMDS93	Virtual Enterprises and Collaborative Systems	(I22) Engineering Management, Specialised Academic Studies
16.	LIM34	Material Handling	(LIM) Logistic Engineering and Management, Master Academic Studies
17.	NIT02	Factory Automation	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
18.	NIT05	Advanced Technology for Material Handling	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
19.	NIT08	Fundamentals of Computer Science and Informatics	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
20.	I911	Sustainable production	(I10) Industrial Engineering, Master Academic Studies
21.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
22.	IIDS9	Effective Production and Service Systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
23.	IM2315	Product and Process Improvement Projects	(I20) Engineering Management, Master Academic Studies
24.	IMDR31	Effective Production and Service Systems	(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
25.	IMDR56	Traceability of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR62	Enterprise Business Process Integration	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR93	Virtual Enterprises and Collaborative Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Sormaz DN, Arumugam J, Ganduri C, 2007, Integration of rule-based process selection with virtual machining for distributed manufacturing planning, Process Planning and Scheduling for Distributed Manufacturing, 61-90
2.	Šormaz DN, Arumugam J, Harihara RS, Patel C, Neerukonda N, 2010, Integration of product design, process planning, scheduling, and FMS control using XML data representation, Robotics and Computer-Integrated Manufacturing 26 (6), 583-595
3.	Šormaz DN, Rajaraman SN, 2008, Problem space search algorithm for manufacturing cell formation with alternative process plans, International Journal of Production Research 46 (2), 345-369
4.	Sormaz DN, Arumugam J, Rajaraman S, 2004, Integrative process plan model and representation for intelligent distributed manufacturing planning, International Journal of Production Research, Vol. 42, No. 17, p. 3397 - 3417.
5.	Koonce D, Judd R, Sormaz D, Masel DT, 2003, A hierarchical cost estimation tool, Computers in Industry 50 (3), 293-302
6.	Sormaz DN, Khoshnevis B, 2003, Generation of alternative process plans in integrated manufacturing systems, Journal of Intelligent Manufacturing 14 (6), 509-526
7.	Šormaz DN, Tennety C, 2010, Recognition of interacting volumetric features using 2D hints, Assembly Automation 30 (2), 131-141
8.	Sormaz DN, Pisipati DV, Borse PA, 2006, Virtual manufacturing of milling operations with multiple tool paths, International journal of manufacturing technology and management 9 (3), 237-264
9.	Sormaz DN, Khoshnevis B, 2000, Modeling of manufacturing feature interactions for automated process planning, Journal of manufacturing systems, 19 (1), 28-45
10.	Nešić S, Li H, Huang J, Sormaz D, 2009, An open source mechanistic model for CO2/H2S Corrosion of carbon steel, CORROSION 2009, March 22 - 26, 2009 , Atlanta, GA

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

Quotation total :	126			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Tešić M. Zdravko
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	02.10.1981
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	2006	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	1989	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1982	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.	IM1044	Business process integration	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1101	Production planning and control	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1115	Business process modelling	(I20) Engineering Management, Undergraduate Academic Studies
4.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
5.	IMDS14	Production planning and control	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
6.	IMDS62	Integration of business processes of companies	(I22) Engineering Management, Specialised Academic Studies
7.	IMDS63	Intelligent Organisation	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
8.	IS001	Effective management	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
9.	MBA414	Integrated Business Processes	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
10.	MBA604	E-Commerce and Electronic Payment System	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	PLM03	Information System for PLM	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
12.	LIM32	ERP Systems	(LIM) Logistic Engineering and Management, Master Academic Studies
13.	I901	Manufacturing performace measurement	(I10) Industrial Engineering, Master Academic Studies
14.	I905	Enterprise integration	(I10) Industrial Engineering, Master Academic Studies
15.	IIDS10	Effective technological and production structures	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
16.	IIDS31	Production management structures	(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies

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

	ID	Course name	Study programme name, study type
17.	IIDS5	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies
18.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
19.	IM2107	SAP Enterprise systems	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
20.	IM2120	Virtual Enterprises	(I20) Engineering Management, Master Academic Studies
21.	IM2318	ERP systems	(I20) Engineering Management, Master Academic Studies
22.	IMDS69	Selected chapters in enterprise's design, organization and control	(I22) Engineering Management, Specialised Academic Studies
23.	PLM03	Information System for Product Lifecycle Management - PLM	(I20) Engineering Management, Specialised Professional Studies
24.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	IMDR14	Selected Approach in Production Process Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
26.	IMDR38	Production control structure	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	IMDR62	Enterprise Business Process Integration	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
28.	IMDR63	Intelligent Organisation	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR5	Selected chapters in enterprise's design, organization and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
30.	IMDR69	Selected chapters of enterprise's management and control	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR85	Effective technological and production structures	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Zelenović D., Tešić Z.: PERIOD BATCH CONTROL AND GROUP TECHNOLOGY, Interntional Journal of Production Research, 1988, Vol. 26, No. 3, str. 539- 552, UDK: xxx, ISSN 0020-7543.

2. Tešić Z., Maksimović R., Radaković N. Razvoj modela integrisanih poslovnih procesa u industrijskom preduzeću, SYMORG 2006, Beograd, Fakultet organizacionih nauka, 7-10.jun 2006, pp 158-161, UDK:005, ISBN 86-7680-086-3

3. Tešić Z., Šešlija D. Prilog razvoju komunikacije između upravljačkih sistema tehnoloških sistema i sistema za upravljanje proizvodnjom, HIPNEF2004, Niš, Mašinski fakultet Niš, 19-21. maj 2004, pp 499-504, UDK:681.5, ISBN 86-80587-31-1

4. Šešlija D., Odri S., Tešić Z., Stankovski S. Bridging the gap between machine and production control system, Facta Universitates, 2005, Vol.3, No.1, pp 81-92. ISSN 0354-2025

5. Šešlija D., Tešić Z. RFID MIDDLEWARE AS A CONNECTION BETWEEN MANUFACTURING PROSESSES AND ENTERPRISE LEVEL INFORMATION SYSTEM, FACTA UNIVERSITATIS, SERIES MECHANICAL ENGINEERING, UDC 681.518:65.011.56 , Vol.4, No 1, pp. 63 – 74, 2006.

6. Šešlija D., Odri S., Tešić Z., Stankovski S. oN THE COMMUNICATION BETWEEN MACHINE AND PRODUCTION CONTROL SYSTEM, International Scientific Conference UNITECH, GABROVO,2004, pp 229-232, ISBN 954-683-304-5

7. Tešić, Z., Ćosić, I., Mitrović, V., Lalić, D.:Integration of information for manufacturing shop control, Journal of Mechanical Engineering - Strojniski Vestnik, 2010, Vol.56, No,3, pp 217-223, ISBN 0039-2480.

8. Gološin, M., Tešić, Z., Ostojić, A.: The analysis of the renewable energy production sector in Serbia, Renewable and Sustainable Energy Rewiews, 2010, Vol.14, No.5, pp 1477-1483, ISSN 1364-0321

9. Lalić d., Popovski k., Gecevska V., Tešić Z. Analysis of the opportunities and challenges for renewable energy market in the Western Balkan countries, Renewable and Sustainable Energy Reviews, 2011, Vol. 15, pp 3187-3195.ISSN: 1364-0321

10. Gajić G., Stankovski S., Ostojić G., Tešić Z., Miladinović Lj. Method of evaluating the impact of ERP implementation critical success factor - a case study in oil and gas industries, Enterprise information systems, 2012, Vol 0, 1-23. ISSN 1751-7575.

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

Quotation total :	30			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	2	International :	2

Science, arts and professional qualifications

Name and last name:	Uzelac S. Zorica
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1975
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1989	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1980	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1974	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	GG00	Mathematical Methods 1	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG05	Mathematical Methods 2	(G00) Civil Engineering, Undergraduate Academic Studies
3.	II1052	Mathematics 2	(I10) Industrial Engineering, Undergraduate Academic Studies
4.	IM1002	Mathematics 1	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1006	Mathematics 2	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1120	Knowledge management	(I20) Engineering Management, Undergraduate Academic Studies
7.	0M518	Numerical Solutions of Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0ML518	Numerical Solution of Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
9.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
			(I12) Industrial Engineering, Specialised Academic Studies
			(I22) Engineering Management, Specialised Academic Studies
			(Z00) Environmental Engineering, Specialised Academic Studies
10.	HR013	Knowledge Economy	(I20) Engineering Management, Specialised Professional Studies
			(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	MBA309	Human Resource Management in Knowledge Economy	(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	OIR010	Mathematics for Business and Finance	(I20) Engineering Management, Specialised Professional Studies
13.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies
14.	D0M16	Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	D0M18	Numerical Analysis	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DM322	Numeric Methods in Power Machines and Plants	(M00) Mechanical Engineering, Doctoral Academic Studies

		List of courses being held by the teacher in the accredited study programmes	
	ID	Course name	Study programme name, study type
17.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
			(E20) Computing and Control Engineering, Doctoral Academic Studies
			(F00) Graphic Engineering and Design, Doctoral Academic Studies
			(F20) Engineering Animation, Doctoral Academic Studies
			(G00) Civil Engineering, Doctoral Academic Studies
			(GI0) Geodesy and Geomatics, Doctoral Academic Studies
			(H00) Mechatronics, Doctoral Academic Studies
			(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
			(M00) Mechanical Engineering, Doctoral Academic Studies
			(M40) Technical Mechanics, Doctoral Academic Studies
			(OM1) Mathematics in Engineering, Doctoral Academic Studies
			(S00) Traffic Engineering, Doctoral Academic Studies
			(Z00) Environmental Engineering, Doctoral Academic Studies
			(Z01) Safety at Work, Doctoral Academic Studies

	Representative refferences (minimum 5, not more than 10)
1.	Surla K., Teofanov Lj., Uzelac Z.: A robust layer-resolving spline collocation method for a convection-diffusion problem, Applied Mathematics and Computation, 2009, Vol. 208, No 1, pp. 76-89, ISSN 0096-3003
2.	Surla K., Uzelac Z., Teofanov Lj.: The discrete minimum principle for quadratic spline discretization of a singularly perturbed problem, Math. Comput. Simul, 2009, Vol. 79, No 8, pp. 2490-2505, ISSN 0378-4754
3.	Surla, K., Uzelac, Z., Some uniformly convergent spline difference schemes for singularly perturbed boundary value problems, IMA J. Numer. Anal.10(1990) 209-222
4.	Sekulić, D., Edeskuty, F.J.,Uzelac, Z., Heat Transfer Through a High Temperature Superconducting Current Lead at Criogenic temperatures, Int.J. Heat Mass Transfer, Vol. 40,No 16, 1997, 3917-3926,
5.	Uzelac, Z., Surla, K., Discretization of the Semilinear Singularly Perturbed Problem, Nonlinear Analysis: Theory, Methods and Applications, Vol.30, No.8, (1997), 4741-4747
6.	Sekulic, D., Uzelac, Z., Edeskuty, F., J., Entropy generation in a high temperaturesuperconducting current lead, Cryogenics, Vol 32(1992) 1154-1161
7.	Cvetićanin, L., Uzelac, Z., Longitudinal Vibration of Rod with Non-Linear Constitutive Equation, Journal of Vibration and Control,5, (1999), 827-849
8.	Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, International Journal of Computer Mathematics, Vol. 84, No. 1, 2007, 33-50
9.	Z. Uzelac, L. Nešić, D. Hristić, A Contribution to Research the Caracteristics of Women Managers and a New Style of Leadedrship, Proceedings of IC-Congress, Haarlem, The Netherlands, 3-4. May 2007
10.	Dj. Ćelić, Z. Uzelac, Vrednosne mreže, Zborniki radova XIII Medjunarodna koferncija industrijski sistemi-IS05, Herceg Novi, 07-09. septembar, 2005, 921-931

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	52			
Total of SCI(SSCI) list papers :	26			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:		Vetro L. Jelena
Academic title:		Lecturer
Name of the institution where the teacher works full time and starting date:		-
Scientific or art field:		Russian

Academic carieer	Year	Institution	Field
Academic title election:	2012		Russian
Magister thesis	1999		Pedagogical Science
Bachelor's thesis	1973		Pedagogical Science

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

	ID	Course name	Study programme name, study type
1.	ASI383	Russian 1	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
2.	ASI43	Strani jezik 2(uneti naziv na engleskom)	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
3.	ASI433	Russian 2	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
4.	RJ02L	Russian Language - Pre-Intermediate	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	RJIIM	Russian for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	"Trudnosti v razvitii deteĭ s narušeniem zreniя" VI Vserossiĭskaя studenčeskaя naučno-praktičeskaя konferenciя s meždunarodnыm učastiem, Rяzanь 2012 g.
2.	"Funkcionalьnoe značenie яzыka v sbliženii raznыh narodov i sohranenii ih kulьturы", VMeždunarodnaя naučno-praktičeskaя konferenciя MGU im. M.V. Lomonosova, Moskva, 2011 g.
3.	Naši učenici i profesori o doprinosu ruske emigracije srpskoj kulturi. Ruska dijaspora i srpsko-ruske kulturne veze. Slavističko društvo Srbije, Beograd, 2007.
4.	„Zajedničke igre dece i roditelja", Zbornik radova sa 5. Međunarodne interdisciplinarne stručno-naučne konferencije Visoke škole strukovnih studija za obrazovanje vaspitača i trenera – Subotica, 2012. g.
5.	"Ob izučenii russkogo яzыka na severe Serbii", Evroaziĭskiĭ naučnыĭ forum posvящёnnыĭ 300-letiю so dnя roždeniя M.V. Lomonosova, Sankt-Peterburg, oktяbrь 2011 g.
6.	"Projektovanje koncepta i modela gimnazijskog obrazovanja na bazi strateških orijentacija u svetskim iskustvima u 2000-toj godini".
7.	Kultura i predškolsko obrazovanje u današnjoj Rusiji. Zbornik radova sa 2. Međunarodne interdisciplinarne stručno-naučne konferencije Visoke škole strukovnih studija za obrazovanje vaspitača. Subotica, 2009.
8.	„Učenje jezika u dečjem uzrastu", Zbornik radova sa 4. Međunarodne interdisciplinarne stručno-naučne konferencije Visoke škole strukovnih studija za obrazovanje vaspitača i trenera – Subotica, 2011. g.
9.	"Adaptacija dece na uslove u predškolskim ustanovama", Zbornik radova sa 3. Međunarodne interdisciplinarne stručno-naučne konferencije Visoke škole strukovnih studija za obrazovanje vaspitača – Subotica, 2010. g.
10.	„Kultura i predškolsko obrazovanje u današnjoj Rusiji", Zbornik radova sa 2. Međunarodne interdisciplinarne stručno-naučne konferencije Visoke škole strukovnih studija za obrazovanje vaspitača – Subotica, 2009. g.

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:	Vukelić B. Đorđe
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	23.10.2000
Scientific or art field:	Metrology, Quality, Fixtures and Ecological-Engineering Aspects

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects
Bachelor's thesis	2000	Faculty of Technical Sciences - Novi Sad	Metrology, Quality, Fixtures and Ecological-Engineering Aspects

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

	ID	Course name	Study programme name, study type
1.	P1401	Fixture Design and Measuring Machines	(P00) Production Engineering, Undergraduate Academic Studies
2.	P1508	Reverse Engineering and CAQ	(P00) Production Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	P209	Measurements and Quality	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
4.	P306	Fixtures	(P00) Production Engineering, Undergraduate Academic Studies
5.	Z207	Mechanical Engineering in Environmental Engineering	(Z20) Environmental Engineering, Undergraduate Academic Studies
6.	Z207A	Mechanical Engineering in Environmental Engineering	(Z01) Safety at Work, Undergraduate Academic Studies
7.	Z301	Pollution Measurement and Control	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
8.	ZRI441	Material handling systems for environmental and labor protection	(Z01) Safety at Work, Undergraduate Academic Studies
9.	II1037	Disassembly and recycling technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	P322	Introduction to Precision Engineering	(P00) Production Engineering, Undergraduate Academic Studies
11.	ZC036	Measurement and control of pollution	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
12.	P1409	Material Control Systems and CAI	(PM0) Production Engineering, Master Academic Studies
13.	P1501	Ecological Technologies and Systems	(M40) Technical Mechanics and Technical Design, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
14.	Z416A	Environment Protection System Management	(PM0) Production Engineering, Master Academic Studies
15.	I907	Automated Assembly Systems for High Accuracy	(H00) Mechatronics, Master Academic Studies (PM0) Production Engineering, Master Academic Studies
16.	P321	Reverse Engineering and Rapid Prototyping	(I10) Industrial Engineering, Master Academic Studies
17.	PIP16	Plastics and environmental protection	(PM0) Production Engineering, Master Academic Studies
18.	PLIS1	Logistics and Simulation in Technologies of Plastics Processing	(PM0) Production Engineering, Master Academic Studies
19.	PP103	Measurement and tools in precision engineering	(PM0) Production Engineering, Master Academic Studies
20.	SM3	Software support for reverse engineering and CAQ	(PM0) Production Engineering, Master Academic Studies

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

	ID	Course name	Study programme name, study type
21.	SMI003	Software support for cutting tools and fixtures modeling	(PM0) Production Engineering, Master Academic Studies
22.	SZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Specialised Academic Studies
23.	DM411	Contemporary Approach to Integration of Reverse Engineering of Rapid Prototyping, Tools, Products and Virtual Manufacturing	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	DP001	Design and Research Methods in Production Engineering	(M00) Mechanical Engineering, Doctoral Academic Studies
25.	DP006	State and development trends of metrology, quality and fixtures	(M00) Mechanical Engineering, Doctoral Academic Studies
26.	DP013	Ecological Engineering Aspects	(M00) Mechanical Engineering, Doctoral Academic Studies
27.	DP019	Selected topics in technical diagnosis	(M00) Mechanical Engineering, Doctoral Academic Studies
28.	ZDH1	Modern Methods of Eco-design	(Z00) Environmental Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Budak I., Vukelić Đ., Bračun D., Hodolič J., Soković M.: Pre-Processing of Point-Data from Contact and Optical 3D Digitization Sensors, Sensors, 2012, Vol. 12, No 1, pp. 1100-1126, ISSN 1424-8220.

2. Tadić B., Jeremić B., Todorović P., Vukelić Đ., Proso U., Mandić V., Budak I.: Efficient workpiece clamping by indenting cone-shaped elements, International Journal of Precision Engineering and Manufacturing, 2012, Vol. 13, No 10, pp. 1725-1735, ISSN 2234-7593.

3. Tadić B., Todorović P., Vukelić Đ., Jeremić B.: Failure analysis and effects of redesign of a polypropylene yarn twisting machine, Engineering Failure Analysis, 2011, Vol. 18, No 5, pp. 1308-1321, ISSN 1350-6307.

4. Matin I., Hadžistević M., Hodolič J., Vukelić Đ., Lukić D.: A CAD/CAE Integrated Injection Mold Design System for Plastic Products, International Journal of Advanced Manufacturing Technology, 2012, Vol. 63, No. 5-8, pp. 595-607, ISSN 0268-3768.

5. Tadić B., Todorović P., Lužanin O., Miljanić D., Jeremić B., Bogdanović B., Vukelić Đ.: Using specially designed high-stiffness burnishing tool to achieve high-quality surface finish, DOI: 10.1007/s00170-012-4508-2, International Journal of Advanced Manufacturing Technology, 2012, ISSN 0268-3768.

6. Mrkajić V., Stamenković M., Maleš M., Vukelić Đ., Hodolič J.: Proposal for reducing problems of the air pollution and noise in the urban environment, Carpathian Journal of Earth and Environmental Sciences, 2010, Vol. 5, No 1, pp. 49-56, ISSN 1842-4090.

7. Vukelić Đ., Zuperl U., Hodolič J.: Complex system for fixture selection, modification, and design, International Journal of Advanced Manufacturing Technology, 2009, Vol. 45, No 7-8, pp. 731-748, ISSN 0268-3768.

8. Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., 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. Trifković B., Budak I., Todorović A., Hodolič J., Puškar T., Jevremović D., Vukelić Đ.: Application of Replica Technique and SEM in Accuracy Measurement of Ceramic Crowns, Measurement Science Review, 2012, Vol. 12, No 3, pp. 90-97, ISSN 1335-8871.

10. Tadić B., Vukelić Đ., Hodolič J., Mitrović S., Erić M.: Conservative-Force-Controlled Feed Drive System for Down Milling, Strojniški vestnik - Journal of Mechanical Engineering, 2011, Vol. 57, No 5, pp. 425-439, ISSN 0039-2480.

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

Quotation total :	34		
Total of SCI(SSCI) list papers :	21		
Current projects :	Domestic :	3	International :	3

Science, arts and professional qualifications

Name and last name:	Vuković-Vojnović B. Dragana
Academic title:	Lecturer
Name of the institution where the teacher works full time and starting date:	Faculty of Sciences - Novi Sad
	01.10.2010
Scientific or art field:	English

Academic carieer	Year	Institution	Field
Academic title election:			

List of courses being held by the teacher in the accredited study programmes			
	ID	Course name	Study programme name, study type
1.	EJIIM	English for Specific Purposes	(I10) Industrial Engineering, Undergraduate Academic Studies
			(I20) Engineering Management, Undergraduate Academic Studies
2.	ETI15	Engleski jezik - srednji	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
3.	ETI20	Engleski jezik - napredni	(E02) Electronics and Telecommunications, Undergraduate Professional 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:	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

For carrying out the study program appropriate human, physical, technical, technological, library and other resources are provided that are appropriate to the nature of the study program and the anticipated number of students. Classes in Industrial Engineering degree program is carried out in two shifts so that a minimum of space requirement per student is provided.

Classes are held in the amphitheater, classrooms and specialized laboratories. The library has more than 100 library items that are relevant for the implementation of the study program of Industrial Engineering. All courses of study program are covered by the relevant literature textbook, teaching aids and aids that are available on time and in sufficient numbers for the normal teaching process. It is provided with adequate information and support.

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

Standard 11.   Quality Control

The quality of the study program in Industrial Engineering graduate academic studies, as well as all the study programs of the Faculty of Technical Sciences provides a functioning quality management system that is at the Faculty of Technical Sciences in accordance with international standard ISO 9001:2008, and certified by the TUEVNord as recognized by international institutions accredited for the certification of management systems. Effectiveness and efficiency of quality management system is certified by annual surveillance audits and recertification in two of the aforementioned institutions.

Quality assurance and quality control program of study are, in quality management system, supported by appropriate rules of conduct for all participants in the learning process - procedures for curriculum development, student enrolment, for the realization of the teaching process, assessment of students, making graduate - master work, the work of Student Services, the work of the Library, for performance evaluation studies to assess the quality of teaching activity by students and other procedures concerning the resources and logistics of the teaching process.

As a part of the Quality Management System, it should be noted that several decades of practice evaluation of customer satisfaction and employee satisfaction had been done through:

- Survey of students in their studies, at the end of classes of each course; students assess the quality of programs, class lectures, literature and performers in the teaching activity,

- Survey of students at the end of the study, the awarding of degrees; students assess the quality of curriculum and logistical support during the study. In addition, the study comfort (clean and tidy classrooms, etc.) is evaluated as well.

- Survey of the teaching and non teaching staff; the work of the Dean, Student Services, Library and other departments of the Faculty is evaluated, too. In addition the working conditions at university are evaluated as well.

For quality control program of study established a special commission which shall consist of a study program, all heads of departments involved in implementation of program of study, and one student from each year of study.

Self-evaluation of the study program is carried out in the self-evaluation of the Faculty of Technical Sciences in Novi Sad as an institution and the appropriate "Report on the self-institution" includes all elements of the quality of the study program, including the participation of students in self-valuation and evaluation of the quality, and thus includes a special supplement - Self-Evaluation Report on Industrial Engineering study program in undergraduate studies.

Standard 12.   Distance Education

Distance learning is not provided for.