STUDY PROGRAMME ACCREDITATION MATERIAL:

INDUSTRIAL ENGINEERING / ENGINEERING MANAGEMENT

DOCTORAL ACADEMIC STUDIES

Novi Sad

2012.

Prevod sa srpskog jezika:

Jelisaveta Šafranj

Ivana Mirović

Marina Katić

Vesna Bodganović

Dragana Gak

Ličen Branislava

Content

Content

Content

Content

Content

Content

Programme name	Industrial Engineering / Engineering Management
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	Doctoral Academic Studies
Study scope, expressed in ECTS	180
Academic degree, abbreviation	Doctor of Science - Industrial Engineering and Engineering Management, Ph.D.Ind.Eng.Managem.
Study length	3
Programme implementation starting year	2005
Future course implementation starting year (for new programme)	
Number of students attending this programme	37
Planned number of students to be enrolled in this programme	120
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. Higher Education Institution Competence for the Implementation of PhD Studies

The Faculty is fully prepared in terms of academic staff, classroom capacity and other facilities for administering doctoral studies in all the fields studied at the Faculty based on indicators related to scientific and research work. The Faculty has a short-term and long-term plan and is accredited as a scientific and research institution, as required by law.

The ability of the Faculty to administer doctoral studies can be indicated by the following criteria:

•the number of Ph.D. and Master theses defended at the higher education institution which are in the area for which the study programme is accredited, in terms of the ratio of the doctoral and master theses and the number of students who have graduated from the programme and the number of professors.

•the ratio between the number of professors and the number of professors involved in scientific and research projects.

•the ratio between publications in the Ministry of Science acclaimed international journals in the last 10 years and the number of professors.

•cooperation with institutions in the country and abroad.

The capability of the Faculty to administer doctoral studies is obvious from the references which are enclosed with the accreditation material.

Standard 01. Programme Structure

The name of the Doctoral Study Programme is Industrial Engineering and Engineering Management. The acquired academic degree is a Doctor of Philosophy in Industrial Engineering and Management. The outcome of the learning process is the knowledge that enables students to become capable of independent scientific research.
Doctoral studies in Industrial Engineering and Engineering Management last three years and they are worth at least 180 ECTS. It is 90 ECTS obtained through examination of the subjects, 30 ECTS laying theoretical basis for doctoral dissertations, and 60 ECTS are acquired by the drafting and defense of the doctoral dissertation.
Doctoral studies last at least three years (six semesters) and no longer than ten academic years.
Research study on theoretical grounds is a doctoral dissertation qualifying exam for the preparation of a doctoral thesis in which students demonstrate that they mastered necessary theoretical knowledge in the scientific areas of interest. Theoretical foundations are laid as examination (written and / or oral) in certain fields of study (issues) from at least three courses defined in the study programme.
Studies on doctoral studies are organized through lectures, research work, scientific research, development and defense of the doctoral dissertation.
Student`s research interest is profiled by selecting the course which will be studied and taken; and thus, contribute in-depth knowledge and understanding of areas (themes) of his doctoral dissertation. Optional courses are selected from the group of proposed subjects of study programme, but the students have the opportunity to choose a number of courses, with the consent of the mentor, from a set of subjects for Doctoral Studies at Faculty of Technical Sciences, University of Novi Sad, or any other university in the country or abroad. At the same time the conditions prescribed for lecture attendance in selected cases have to be fulfilled.
Teaching activity for the courses (compulsory or optional) is a group or individual (mentoring) activity. Group classes are held when the course was chosen by five or more students or when this type of training is necessary to organize due to the nature (character) of the subject-matter. The decision on the type of instruction and optional courses that are taught is taken by the Head of Doctoral Studies with the consent of the Manager of Doctoral Studies at the Faculty.

Standard 02. Programme Objectives

The purpose of this Study Programme is education of students capable of high quality and independent scientific research in accordance with the needs of our society. On the other hand, educating staff who are trained to critically evaluate research work and independently carry out original and scientifically relevant research enables the development of new technologies and procedures that contribute to the overall development of society. In addition, the purpose of this Doctoral Study Programme is a contribution to our national science as well as the application of new scientific solutions in the industry and in broader areas of energy, telecommunications, electronics and computing.
Study Programme at Doctoral Studies in Industrial Engineering/Engineering Management is designed to provide acquisition of skills that are socially justified and useful. The Faculty of Technical Sciences defined tasks and goals for educating highly competent personnel in the field of technology. The purpose of this Study Programme is completely in line with high objectives and goals of the Faculty of Technical Sciences and at the level of strict standards of education in the Ph.D. in Industrial Engineering/Engineering Management.

Standard 03. Programme Goals

The objective of the study program is to achieve student`s scientific competencies and academic skills in the field of Industrial Engineering/ Engineering Management. Besides, this includes the development of creative abilities of considering the problems and the ability of critical thinking, development of teamwork skills and mastering specific practical skills necessary to perform the profession.
The objective of the study program is to educate an expert who has sufficient extended knowledge consistent with contemporary directions of development of science in the world.
One of the specific objectives which is in accordance with educational aims of experts at the Faculty of Technical Sciences is to develop students` awareness of the need for a personal contribution to the development of society in general and environmental protection. The objective of the study program is also the education of experts in the field of teamwork, and development of technical capacity for communication and presentation of their original results to scientific public.

Standard 04. Graduates' Competencies

PhD graduates of the academic study programme in Industrial Engineering/Engineering Management are competent to conduct research and solve problems in real life practice activities. Competencies include, above all, the development of critical thinking skills, the problem analysis capabilities, the synthesis solution, predicting the behaviour of selected solutions with a clear representation of what the advantages and disadvantages of the selected solution.
Qualifications that indicate the completion of doctoral academic studies are gained by students:
•who have demonstrated systematic knowledge and understanding in the field of Industrial Engineering/Engineering Management which is the basis for developing critical thinking and application of knowledge;
•who have mastered the skills and methods of research in the field of Industrial Engineering/Engineering Management;
•who have shown the ability of making concepts, design, construction and application of the selected solution;
•who have shown the ability to adapt the research process with the necessary level of academic integrity;
•who have performed original research work, extending the existing boundaries of knowledge, which is verified by publishing papers in the appropriate scientific journal and by the references at national and international levels;
•who are capable of critical analysis, evaluation and synthesis of new and complex ideas;
•who are capable of knowledge and ideas transfer to their colleagues, wider academic community and society in general
•who are capable of promoting technological, social and cultural progress in the academic and professional environment
After graduation, PhD programme allows students to have the knowledge, skills, developed abilities and competencies to :
•independently solve practical and theoretical problems and organize and realize developing activities and research;
•be involved in international scientific projects
•be able to implement the development of new technologies and procedures in the field of electrical and computer engineering and to understand and use modern knowledge;
•think critically, work creatively and independently;
•respect the code of ethics and principles of good scientific practice;
•be capable to present scientific research results at scientific conferences and publish in scientific journals, verifying them through patents and new technical solutions;
•contribute to the development of scientific disciplines in science generally.
After this study programme completion, the student obtains the following subject-specific competences:
•thorough knowledge and understanding of the disciplines that are the subject of their involvement;
•ability to solve problems using scientific methods and procedures;
•linking basic knowledge in various fields and their application;
•ability of follow modern developments in the field of profession;
•necessary skills and ability in applying knowledge in the field of industrial engineering/engineering management;
•the use of information and communication technologies
Students are trained to design, organize and manage production. During training the student acquires the ability to independently perform experiments, statistical analysis of results and to formulate and adopt the appropriate conclusions.
Students who complete their doctoral studies in Industrial Engineering / Engineering Management gain knowledge on how to economically use the natural resources of the Republic of Serbia in accordance with the principles of sustainable development.
Particular attention has been focused on developing the capacity for teamwork and the development of professional ethics.

Standard 05. Curriculum

The curriculum of the Doctoral Academic Study Programme Industrial Engineering/Engineering Management is made to meet the set goals. The structure of the study programme enables the students to choose optional courses which will be worth at least 70%.
During the course of the doctoral academic studies students are encouraged to specialize in the specific field of study they are most interested in. Through optional courses they are able to take further interest in the scientific and research areas studied during the course of their graduate academic studies.
All courses last one semester and are worth a certain number of ECTS credits.
The curriculum defines every course of the study programme which states the following: the course name, type, the year and semester when the course is lectured, the number of ECTS credits, the name of the lecturer, the course objective with the expected outcome, the knowledge and competences the student will acquire, the prerequisites for taking the course, the course content, the recommended literature, the methods of lecturing, the knowledge tests and evaluation and other relevant data. Each course is designed in such a way to provide about half of the class load in the form of lectures and half of class load in the form of research. The research is an independent work of the PhD student, who has been doing the detailed study in the field of the selected course, as agreed with the course teacher.
The study programme is consistent with European standards regarding enrolment requirements, duration of study, terms of enrolling into the next year of studies, the acquisition of a diploma and mode of study.
The curriculum enables students to attend 7 courses during the first three semesters. In the first semester three compulsory courses are taught, namely: The research method and Selected topics in industrial engineering/engineering management and one optional course. In the second and third semester (each contains two optional courses), students elect optional courses after consulting their mentor, being available to every student of doctoral studies.
Lectures in teaching subjects are performed as a group or individual (mentor) classes. Group classes are held when there are five or more students studying particular subject, or when this kind of teaching is necessary to organize because of the nature (character) of the teaching subject.
The Manager of doctoral studies with the consent of the Chief of doctoral studies at the Faculty takes the decision on the type of instruction and elective courses.

Table 5.2 Course specification

Course:	Scientific Research Method
Course id: DZ001	
Number of ECTS: 5	
Teachers:	Atanacković M. Teodor, Folić J. Radomir
Course status:	Mandatory

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

To enable students for successful writing of scientific papers and doctoral dissertations.

2. Educational outcomes (acquired knowledge):

- Ability of understanding varius scientific metods witch was used in scientific literature
- Ability of successful managing in proffesonal literature
- Ability of successful writing of scientific paper in area of of interests
- Ability of successful creating and ending of doctoral dissertation

3. Course content/structure:

Definition of science. Development of science through history.
Scientific methodology.
General and special scientific methods.
Structure of a scientific paper. Types of scientific results.
Writing and publishing scientific papers.
Writing the doctoral dissertation.
Evaluating scientific results.

4. Teaching methods:

Lectures. Consultations with students. Seminar paper.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Oral part of the exam	Yes	70.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Karl Poper	Logika naučnog otkrića	Nolit, Beograd	1973

Table 5.2 Course specification

Course:		Science of Industrial Engineering and Management
Course id:	IMDR0	
Number of ECTS:	11	
Teachers:		Beker A. Ivan, Borocki V. Jelena, Borovac A. Branislav, Ćosić I. Đorđe, Ćosić P. Ilija, Dobromirov P. Dušan, Grubić-Nešić S. Leposava, Katalinić -. Branko, Krsmanović B. Cvijan, Lazarević M. Milovan, Maksimović M. Rado, Nikolić T. Slavka, Ostojić M. Gordana, Radaković J. Nikola, Stankovski V. Stevan, Šešlija D. Dragan, Tešić M. Zdravko
Course status:		Mandatory

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The educational goal is to introduce students to doctoral studies in Industrial Engineering and Management, to learn about the history and development of the field and learn the general settings that apply in this area.

2. Educational outcomes (acquired knowledge):

The student is competent to apply global settings of this area in further education in vocational subjects.

3. Course content/structure:

A review of research in the fields of organization and business management, innovation and entrepreneurship, project management, investment management, information management, quality management and logistics, risk management and insurance management, industrial engineering, marketing and media, human resource management, energy management, planning, organization and systems management, automation, and information-management systems and kominikacionih quality and logistics.

4. Teaching methods:

Mentor together with the student selects one or more modules depending on the scope of the module. Consultation. Lectures are delivered in combination. Theoretical part is followed by the examples that clarify the theoretical part of the curriculum. In addition to lectures, consultations are held regularly. Student independently deepens the subject-matter learnt at lectures through his research work while studying scientific journals and other literature. In addition to working with the teacher, students are trained to write their own scientific papers.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Stankovski, S., Lazarević, M., Ostojić, G., Ćosić, I., Purić, R.	RFID Technology in Product/Part Tracking During the Whole Life Cycle	Assembly Automation, Elsavier	2009
2,	Maksimović, R., Lalic, B.	Flexibility and Complexity of Effective Enterprises	Strojniški vestnik - Journal of Mechanical Engineering	2008
3,	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	Enterprise Information Systems	2012
4,	Maksimović R., Stankovski S., Ostojić G., Petrović S., Ratković Ž.	Complexity and Flexibility of Production Structures	Journal of Scientific and Industrial Research	2010
5,	Blagojevic, V., Šešlija, D., Stojiljkovic, M.	Cost effectiveness of restoring energy in execution part of pneumatic system	Journal of Scientific and Industrial Research (JSIR),	2011
6,	Ćosić, I., Šešlija, D., Ignjatović, I,	Razvoj obrazovanja industrijskih inženjera	Ekonomski institut	2011
7,	Ignjatović, I., Komenda, T., Šešlija, D., Mališa, V.	Optimisation of compressed air and electricity consumption in a complex robotic cell	Robotics and Computer-integrated Manufacturing	2012
8,	Grubić-Nešić L., Duđak Lj	Ljudski resursi i razvoj industrijskog inženjerstva,	Ekonomski institut	2011

Table 5.2 Course specification

Course:		Selected Chapters in Mathematics
Course id:	DZ01M	
Number of ECTS:	12	
Teachers:		Adžić Z. Nevenka, Doroslovački D. Rade, Gilezan K. Silvia, Grbić P. Tatjana, Kostić Z. Marko, Kovačević M. Ilija, Mihailović P. Biljana, Pantović B. Jovanka, Pilipović R. Stevan, Rajković R. Milan, Ralević M. Nebojša, Sladoje Matić I. Nataša, Stojaković M. Mila, Teofanov Đ. Ljiljana, Uzelac S. Zorica
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	3	0

Precondition courses: None

1. Educational goal:

To acquire knowledge which can be used in professional subjects and practical work, develop and solve mathematical models for engineering courses using the knowledge gained through selected chapters in mathematics.

2. Educational outcomes (acquired knowledge):

Student will have been competent enough to develop and solve mathematical models in further professional education.

3. Course content/structure:

Student can choose in consultation with programme supervisor, one of the suggested modules: 1. Numerical Mathematics, 2. Optimization. 3. Pattern Recognition. 4. Partial Differential Equations, 5. Nonlinear Equations. 6. Computational geometry. 7. Elements of Functional Analysis. 8. Combinatorics. 9. Graph Theory.10.Operational Research- Linear Programming. 11. Probability 12. Statistics .13.Stochastic Processes. 14. Vector analysis. 15. Complex Analysis. 16. Linear Algebra. 17. Differential and Difference Equations. 18. Euclidean and Non-Euclidean Geometry. 19. Fractional Calculus,Differential Equations . 20. Operational Research-Quiuing theory. 21. Logic in Computing. 22. Discrete Mathematics. 23. Higher order Logic. 24. Theory of Mobile Processes. 25. Numerical Methods of Linear Algebra. 26. Fuzzy Sets. 27. Economic and Financial Mathematics. 28. Groups and Algebras Li. 29. Formal Languages and Automata Theory. 30. Process Algebras. 31. History of Mathematics. Part of the course is in the form of independent research and study in the field of mathematics. Study and research work is based on primary scientific sources, organization and conduction of experiments and statistical data analysis, numerical simulations, and possible paper in the field of mathematics.

4. Teaching methods:

Lectures. (The student can choose in consultation with supervisor, one or more modules depending on module scope). Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples which contribute to better understanding of the theoretical part. In addition to lectures there are regular consultations. Through research and study work the student will, on the bases of scientific journals and other relevant literature that has been studied independently, develop further understanding of the material covered in lectures. Working with the course teacher the student develops the ability to independently work on a scientific paper.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Alexander Mood,...	Introduction to the theory of statistics	McGraw Hill	2005
2,	Athanasios Papoulis	Probability, random variables and stochastic processes	McGraw Hill	2002
3,	I. Kovačević, N. Ralević	Funkcionalna analiza	FTN (edicija tehničke nauke-udžbenici), Novi Sad	2004
4,	N.Ralević,I.Kovačević	Zbirka rešenih zadataka iz Funkcionalne analize	FTN (edicija tehničke nauke-udžbenici), Novi Sad	2004
5,	M.Stojaković	Slučajni procesi	FTN, Novi Sad	1999
6,	V.Jevremović,J.Mališić	Statističke metode u metorologiji i inženjerstvu	Savezni hidrometeorološki zavod, Beograd	2002
7,	Zeidler E.	Nonlinear Functional Analysis and Aplications	Springer-Verlag, New York-Berlin-Heidelberg-Tokyo	1985
8,	Zlobec S., Petrić J	Nelinearno programiranje	Naučna knjiga, Beograd	1989
9,	Dauxois, M. Peyrard	Physics of Solitons	Cambridge University Press, Cambridge, New York	2006
10,	Saaty, T. L	Modern Nonlinear Equations	Dover Publications, Inc., New York	1981
11,	N. Ralević, S.Medić	Matematika 1 - drugi deo	FTN, Novi Sad	2002
12,	Heinz-Otto Peitgen, H. Juergens, D. Saupe	Chaos and Fractals	Springer Verlag, New York	2004

Literature

Ord.	Author	Title	Publisher	Year
13,	Mileva Prvanović	Osnovi geometrije	Građevinska knjiga, Beograd	1990

Table 5.2 Course specification

Course:		Selected Chapters in Physics			
Course id:	DZ01F				
Number of ECTS:	12				
Teachers:		Budinski-Petković M. Ljuba, Kozmidis-Luburić F. Uranija, Kozmidis-Petrović F. Ana, Satarić V. Miljko, Vučinić-Vasić T. Milica			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
5	0	0	3	0	
Precondition courses		None			

1. Educational goal:

To acquire the knowledge of physics which is applied in modern engineering.

2. Educational outcomes (acquired knowledge):

The students will have acquired the knowledge which enables them to develop models for solving problems in practical professional work as well as evolvement in science and research work in the corresponding areas.

3. Course content/structure:

Student can choose in consultation with programme supervisor, one of the suggested modules: 1. Lasers, their applications in engineering, 2. Quantum tunnelling effect and applications, 3. Quantum dots, wires and tubes, Applications in nanotechnologies, 4. New materials, amorphous materials, spin glass, 5. Natural and artificial polymers and their application in nanotechnologies, 6. Numerical method of statistics physics, random number generator. Monte Carlo simulation.

4. Teaching methods:

Lectures. (The student can choose in consultation with co-mentor, one or more modules depending on module scope). Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples. In addition to lectures there are regular consultations. Through research and study work the student will, on the bases of scientific journals and other relevant literature that has been studied independently, develop further understanding of the material covered in lectures. Working with the course teacher the student develops the ability to independently work on a scientific paper.

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	K. Binder, D.W. Heermann	Monte Carlo Simulation in Statistical Physics	Springer-Verlag	1988

Table 5.2 Course specification

Course:		Current State in the Field
Course id:	SID04	
Number of ECTS:	2	
Teachers:		Atanacković M. Teodor, Katić A. Vladimir, Kulić J. Filip, Vilotić Ž. Dragiša
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Introducing students to the current research directions and manners in solving problems from the wider study field.

2. Educational outcomes (acquired knowledge):

Knowledge on the current research directions worldwide in the field, based on lectures by prominent professors from the universities in Europe or prominent experts from the well-known companies abroad.

3. Course content/structure:

Contemporary topics in the field of research, presented by prominent professors and experts on lectures on invitation. Students select topics or attend lectures as they wish or as they find the topic interesting.

4. Teaching methods:

Survey on solving contemporary problems by theoretical methods and multimedia presentations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Oral part of the exam	Yes	70.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Razni	Časopisi sa SCI liste	IEEE Publishing, i dr.	2008

Table 5.2 Course specification

Course:		Selected Chapters in Non-Industrial Robotics			
Course id:	HDOK-2				
Number of ECTS:	14				
Teacher:		Borovac A. Branislav			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
5	0	0	4	0	
Precondition courses		None			

1. Educational goal:

The course goal is to make students, having in mind their previous knowledge and interests, familiar with the new topics in the field of Non-Industrial Robotics, which is a field that is becoming increasingly more important, and to introduce them to research study.

2. Educational outcomes (acquired knowledge):

The expected educational outcomes of this course are the student`s knowledge and ability to fully understand the topics and issues related to Non-Industrial Robotics and his/her involvement in research work in this field of study.

3. Course content/structure:

In accordance with the student`s interests, some of the following topics will be further studied: applications for service robots (in a household, on a building site, in a hazardous environment, inspection robots, life saving robots, etc.), autonomous robots, control and regulation in biological systems, the comparison of the `control architecture` of biological systems and autonomous robots, types of autonomous robots depending on the way in which they move (wheels and tracks, jumping robots, snake-like robots, flying robots, multiple-legged and two-legged robot locomotion, etc.), robot learning, “behaviour-based robotics” which represents a new way in which we control robots in an unstructured environment like ours, grasping and manipulation of objects, humanoid robots. A part of the course work is conducted through independent individual study and research work in the field of Non-Industrial Robotics.The research study requires the student`s active and constant interest in and reading of the primary scientific resources, the organization and conducting of experiments and statistical processing of data, numerical simulations, writing a paper in the specific scientific field relevant to the doctoral dissertation

4. Teaching methods:

Depending on the number of students the course can be carried out either through lectures, or by working with a mentor (tutorial work). Modes of teaching depend on the number of students and the chosen chapters (topics). Students are involved in the research study work.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	George A. Bekey	Autonomous robots – From biological inspiration to implementation and control	The MIT Press, ISBN 0-262-02578-7	2005
2,	Rodney A. Brooks	Cambrian Intelligence – The Early History of the New AI	A Bradford Book, The MIT Press	1999
3,	Ronald Arkin	Behavior-based Robotics	The MIT Press, ISBN 0-262-01165-4	1998
4,	Vukobratović M., Borovac B., Surla D., Stokić D.	BIPED LOCOMOTION -Dynamics, Stability, Control and Application	Springer, ISBN 0-540-17456-7, ISBN 0-387-1745	1990

Table 5.2 Course specification

Course:		Selected Chapters in Production Process Automation
Course id:	HDOK-4	
Number of ECTS:	14	
Teachers:		Buchmeister S. Borut, Čuš -. Franci, Katalinić -. Branko, Palčič -. Iztok, Šešlija D. Dragan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The objective of the course is to obtain actual knowledge in the field of working process automation which is used in production and service systems and to introduce research problems.

2. Educational outcomes (acquired knowledge):

The outcome of the course is to obtain knowledge that enables students to systematically carry out working process automation in modern production and service systems as well as the knowledge and students` ability for independent and group research and research in this area.

3. Course content/structure:

Pneumatic, hydraulic and electrical systems automation. Energy efficiency of pneumatic systems. The quality of compressed air. Correlation requirements for air pressure and implementation methods. Effective filtration of compressed air. Automation filtering. Vacuum technology in automation.

4. Teaching methods:

Teaching activity is conducted through lectures and consultations. Preparation and defense of the scheduled project and passing the final examination. Prerequisite for taking the final examination is to complete and defend the project successfully. The final examination is written and refers to theoretical issues.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project defence	Yes	70.00	Theoretical part of the exam	Yes	30.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Groover P. Mikkell	Automation Production Systems and Computer Integrated Manufacturing	Prentice Hall	2003
2,	M. Stojiljkovć	Logička sinteza pneumatskog upravljanja	Mašinski fakultet, Niš	2002
3,	Šešlija, D., Lagod, B.	Stanje pneumatskih sistema u industriji Srbije sa aspekta energetske efikasnosti	Centar za automatizaciju i mehatroniku, Novi Sad	2006
4,	Šešlija D, Ignjatović I, Dudić S	Increasing the Energy Efficiency in Compressed Air Systems	InTech	2012
5,	Dudić S, Ignjatović I, Šešlija D, Blagojević V, Stojiljković M	Leakage quantification of compressed air using ultrasound and infrared thermography	Elsevier	2012

Table 5.2 Course specification

Course:		Selected Approach in Production Process Management
Course id:	IMDR14	
Number of ECTS:	14	
Teacher:		Tešić M. Zdravko
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The objective of the course is students` understanding of the state-of-the-art approach in the development of fundamental managerial field of study and study research.

2. Educational outcomes (acquired knowledge):

The outcome of the course is students` obtained knowledge for independent and group research and research work in basic areas of management.

3. Course content/structure:

- DZ-08 Access to working process management
- Just-In-Time, Lean Producton
- Virtual enterprise
- Agile manufacturing
- Management of business processes
- Intelligent enterprising

4. Teaching methods:

Lectures: (Mentor and student select one or more modules depending on their volume). Consultation. Lectures are conducted in combination. Presentation of the theoretical part is followed by the examples that clarify the theoretical part of the curriculum. In addition to lectures, consultations are held regularly. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. In addition to working with the teacher, students are trained to write their own scientific and research articles.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Brown j., Harhen J., Shirnan J,	Production management systems	Addison-Wesley	1988
2,	Scheer AW., Krippke H., Kidermann H.	Agility by ARIS	Springer	2006

Table 5.2 Course specification

Course:		Effective Production and Service Systems
Course id:	IMDR31	
Number of ECTS:	14	
Teachers:		Ćosić P. Ilija, Katalinić -. Branko, Maksimović M. Rado, Šormaz N. Dušan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The goal of the course is to enable students to understand the latest approaches in the development of production and service technologies, the structure of production and service systems, their organization and management in accordance with their prior knowledge and interests, as well as to introduce research work in this particular field of study.

2. Educational outcomes (acquired knowledge):

The outcome of the subject is the knowledge and student`s ability to understand the issues of effective production and service systems and engage in research work in this field.

3. Course content/structure:

- Changes in the manufacturing and service systems.
- Contributions in development of production and service systems: CIM, Lean production, effective production systems.
- The principles in the development of production and service systems.
- Characteristics of production and service systems.
- Development of effective structures of production and service systems.
- Grouping on the basis of the classification system.
- Grouping based on similarity of procedures.
- The spatial structure and location system.
- Automation of processes of designing the structure of effective production and service systems.
- Simulation of production and service systems.
- Organization technology of effective production and service systems.

4. Teaching methods:

Lectures: (Mentor and student select one or more modules depending on their volume). Consultation. Lectures are conducted in combination. Presentation of theoretical part is followed by the examples that clarify the theoretical part of the curriculum. In addition to lectures, consultations are held regularly. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. In addition to working with the teacher, students are trained to write their own scientific and research articles.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Zelenović, D.	Tehnologija organizacije industrijskih sistema - preduzeća	Univerzitet u Novom Sadu - Fakultet tehničkih nauka	2011
2,	Kay, J., Surresh, A.	Group Technology & Cellular Management - A state of-The-Art Synthesis of Research & Practice	Cluwer Pres, Buffalo - New York	1998

Table 5.2 Course specification

Course:	Structures of Modern Information and Communication Systems
Course id: IMDR33	
Number of ECTS: 14	
Teachers:	Krsmanović B. Cvijan, Ristić M. Sonja, Stefanović M. Darko
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Development of the awareness of the need for a multidisciplinary point of view and multimethodological approach to the research of modern information and communication systems. Overview and analysis of the different architectures of modern information systems, point out possible directions for their development. To enable students to participate in the development of new models and concepts of the development of information and communication systems.

2. Educational outcomes (acquired knowledge):

Students gain knowledge about the architecture of modern information systems; learn new and alternative approaches to research and design of information and communication systems.

3. Course content/structure:

The architecture of information systems. Distributed systems, hardware and software concepts. Client-server model. Service-oriented business models and information technology. Review of current networking technologies. The communication software and protocols. Internet services: traditional, contemporary and developmental trends. Web technologies to support new business models. Interoperability of information systems. The integration of data from different sources. Incomplete information systems with structured data. Mobile information systems and services.

4. Teaching methods:

Teaching activity depends on the number of students, i.e. mentor or frontal approach. During the course students are required to develop and defend a research paper.

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
1,	Stallings W.	Data & Computer Communications	Prentice Hall, Inc.	2000
2,	Tanenbaum A, Maarten van Steen	Distributed Systems – Principles and Paradigms	Prentice Hall, Inc.	2002
3,	Douglas E. Comer	Internetworking With TCP/IP Volume 1: Principles Protocols, and Architecture, 5th edition	Prentice Hall, Inc.	2006
4,	Clements P., Kazman R., Klein M.	Evaluating Software Architectures - Methodes and Case Studies	Addison-Wesley	2006
5,	Clements P., Bachmann P., Bass L.	Documenting Software Architectures: Views and Beyond	Addison-Wesley	2002
6,	Taylor, R. N., Medvidovic N., Dashofy N.	Software Architecture: Foundations, Theory, and Practice	John Wiley&Sons	2010
7,	Silver Bruce	BPMN Method and Style, 2nd Edition, with BPMN Implementer's Guide: A structured approach for business process modeling and implementation using BPMN 2.0	Cody-Cassidy Press	2011

Table 5.2 Course specification

Course:		Behavioral Corporate Finance
Course id:	IMDR47	
Number of ECTS:	14	
Teacher:		Dobromirov P. Dušan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Teaching activity enables students to master the concept of bihevioral approach in finance, with strategic choices of measures and analysis of operational implications. The most important educational objectives are: 1) definition of action and the importance of psychological factors in decision making in finance, 2) introduction to the key psychological factors that occur in different areas of corporate finance, 3) understanding the errors that occur in making decisions due to psychological factors.

2. Educational outcomes (acquired knowledge):

Students will gain knowledge in the field of behavioral corporate finance and learn about the latest trends in finance.

3. Course content/structure:

1) The definition of behavioral finance
2) Determining the value of projects
3) Capital budgeting
4) Risk
5) Inefficient markets and corporate decisions
6) Capital Structure
7) Dividend Policy
8) Conflict of Interest and Corporate Governance
9) Group Processes
10) Mergers and Acquisitions

4. Teaching methods:

Lectures. Consultations. Seminar paper.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	20.00	Oral part of the exam	Yes	40.00
Term paper	Yes	40.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Hersch Shefrin	Bihejviorističke korporativne finansije	McGraw-Hill	2007
2,	Dobromirov Dušan; Radišić Mladen i Aleksandar Kupusinac	Emerging Markets Arbitrages' Perception:Risk vs. Growth Potential	African Journal of Business ManagementVol. in press (AJBM-10-060Dobromirov et al)	2010

Table 5.2 Course specification

Course:		Media Systems
Course id:	IMDR49	
Number of ECTS:	14	
Teacher:		Radenković B. Vladimir
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Acquiring the necessary knowledge regarding the functioning of media systems. Students will gain insight into the significance and strength necessary to use a media system for each organization.

2. Educational outcomes (acquired knowledge):

Engineer of management will be able to adequately apply acquired knowledge in their research. You will have the requisite skills and competencies to create new areas of application, media systems in order to increase the effectiveness of business organizations.

3. Course content/structure:

Media Policy, Media Strategy; Media in the function of the integrated economy; Links between media systems, social systems and the audience; Media in Education; Effects of media; Corporate social responsibility of media; Public service; Media regulation; Media convergence; Media Sustainability; Social Media; International decisions, documents, organizations; Impact of new technologies on media; Media positioning; Distribution of media content.

4. Teaching methods:

The method of oral presentation, method calls, work with individuals. Teaching includes lectures and exercises. Evaluation of knowledge is done through an oral exam and seminar work as prerequisites given.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	60.00	Oral part of the exam	Yes	40.00

Literature

Ord.	Author	Title	Publisher	Year
1,	-	Television in Europe: regulations, policy, independence	Open Societe Institute (OSI)	2006
2,	Lowe, G. H. and Bardoel, J.	From Public Service Broadcasting to Publice Service Media	Nordicom, Gőteborg, Sweden.	2007
3,	Radenković, V.	Business practices in corporations of radio and television cable distribution programmes in Serbia	Journal for East European Management Studies (JEEMS)	2010
4,	Radenković, V., Radenković, M., Engus, K.	Media and Social Responsible Business-Serbian Model	African Journal of Business Management	2010

Table 5.2 Course specification

Course:		Strategic Development of Human Resources
Course id:	IMDR52	
Number of ECTS:	14	
Teacher:		Duđak D. Ljubica
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The goal of course is to master the necessary skills to strategically place the development of human resources in an organization, that is, recognizing the link between the success and development of contemporary organizations and the development of its human resources.

2. Educational outcomes (acquired knowledge):

Students will (1) be trained to recognize the importance of strategic human resource development in contemporary organizations, (2) be familiar with the needs and possibilities of the development of different strategies that organizations can define the process of acquiring adequate knowledge of human resources and the development of competitive knowledge, (3) be familiar with the characteristics of the concept of "learning organizations" in modern business and development opportunities and building a "learning organization", (4) able to develop an effective plan for the development of human resources in an organization, and (5) familiar with the operational aspects of the development process, that is, training workers.

3. Course content/structure:

Context of human resource development, human resource management versus human resource management - the debate and the implications for human resource development, strategic basis for the concept of human resource development, strategic human resource development and human resource development strategies, interventions from training to teaching staff as a way of life - Analysis of organizational culture for the development of an effective learning environment, organizational dimensions of human resource development, concept of "learning organization" and the application of modern business, transformational change management from the perspective of human resource development, human resource development role in creating synergies of the organization, developing human resources, building organizational values ??(commitment, business ethics, diversity management), process development and training of employees - operational aspects

4. Teaching methods:

Teaching is done through lectures, study research and consultation during the preparation of the project. The essence of the approach to the teaching of subjects Strategic human resource development in the use and application of theoretical knowledge in the analysis of case studies from real organizations.

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
1,	Beardwell, I., Holden, L., Claydon, T.	Human Resource Management	Prentice Hall, Harlow, England	2004
2,	Becker, B.E., Huselid, M.A., Ulrich, D.	The HR Scorecard – Linking People, Strategy and Performance	Harvard Business School Press, Boston	2001
3,	Kearns, P	HR Strategy – Business focused, individually centred	Butterworth Heinemann - Elsevier, London	2003
4,	Reid, M.A., Barrington, H., Brown, M.	Human Resource Development	CIPD House, London	2004
5,	Walton, J.	Strategic Human Resource Development	Prentice Hall, Pearson Education, Harlow, England	1999
6,	Ivancevich, J.M.	Human Resource Management	McGraw-Hill Irvin, New York	2007
7,	Hristić, D., Grubić Nešić, L., Duđak, Lj.,	The Differences in Approaching Management by Managers of Different Gender – an Example from Serbia	African Journal of Business Management,	2011

Table 5.2 Course specification

Course:		Data Research
Course id:	IMDR55	
Number of ECTS:	14	
Teachers:		Ćulibrk R. Dubravko, Mirković R. Milan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Obtaining advanced knowledge in the field of data mining.

2. Educational outcomes (acquired knowledge):

Students will obtain the knowledge and skills that enable them to effectively use applied techniques of artificial intelligence and machine learning for data mining. They will be familiar with various aspects of computers as tools for data mining, detection of structural scheme of the data, presentation and use of discovered knowledge.

3. Course content/structure:

The course will cover the following areas: review of main concepts of data mining, the typical sources and data preparation, decision trees, neural networks, support vector machines, clustering of data, analysis and presentation of data that have temporal and spatial dimension. Theoretical instruction will be accompanied by training in practical use of open source solutions for data mining.

4. Teaching methods:

Auditory and laboratory, seminar paper and oral examination.

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
1,	Ian H. Witten & Eibe Frank	Data Mining - Practical Machine Learning Tools	The Morgan Kaufmann	2005
2,	Fosca Gianotti & Dino Pedreschi Eds.	Mobility, data mining, and privacy: geographic knowledge discovery	Springer-Verlag	2008
3,	Culibrk, D., Marques, O., Socek, D., Kalva, H., Furht, B.	Neural Network Approach to Background Modeling for Video Object Segmentation	IEEE Transactions on Neural Networks	2007
4,	D Culibrk, M Mirkovic, V Zlokolica, M Pokric, V Crnojevic, D Kukolj	Salient Motion Features for Video Quality Assessment	IEEE transactions on image processing	2010

Table 5.2 Course specification

Course:		Selected Chapters in Hydraulic Systems
Course id:	IMDR58	
Number of ECTS:	14	
Teacher:		Jocanović T. Mitar
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Knowledge gained from the subject is used in practice addressing present issues related to the operation and exploitation of hydraulic systems and filtering.

2. Educational outcomes (acquired knowledge):

The student is competent to apply the acquired knowledge to solve problems related to hydraulic systems in practice, and the acquisition of practical skills for independent and team work as well as in scientific research in fields related to hydraulics.

3. Course content/structure:

1.Hydraulic automation systems, 2 Energy efficiency of hydraulic systems. 3.Selected chapters in logical components in hydraulic, 4. Selected chapters in hydraulic power steering, 5 Selected chapters in proportional hydraulics, 6 Impact of variability working regime of physical and chemical properties of fluid, 7 Impact of changes in operation modes to the work of hydraulic components and systems, 8 The issue of exploitation of lubricants in hydraulic systems, 9 Obliteration of fluid power systems, 10. The presence of contaminants in hydraulic system and their impact on performance and service life of components and systems, 11. Problem of filtering, 12. Recycling and the problem of processing used lubricants in the field of hydraulics.

4. Teaching methods:

Lectures: (Co-mentor and student select one or more topics depending on the scope and problems of thematic areas). Consultation. Lectures are delivered in combination with active participation of students. Delivering the theoretical part is followed by the examples to clarify the theoretical part of the curriculum. Part of the teaching activity is carried out through an independent study research in the field of hydraulics. Student`s research work includes active monitoring of primary scientific sources, organization and experiments as well as statistical data processing, numerical simulations, writing a paper about an issue regarding the scientific area of doctoral dissertations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project task	Yes	40.00	Written part of the exam - tasks and theory	Yes	60.00

Literature

Ord.	Author	Title	Publisher	Year
1,	I.T.Hong, K. Izawa, T. Ito	Evaluation of Cilinder, Solenoid valve and Servovalve Contaminant Sensitivity	Fluid Power Reseach Center Oklahoma State University	1984
2,	V.Savić, D. Knežević, D.Lovrec, M.Jocanović, V.Karanović	Determination of Pressure Losses in Hydraulic Pipeline Systems by Considering Temperature and Pressure	Strojniški Vestnik-Journal of Mechanical Engineering	2009
3,	G. E. Totten, D.K. Wills, D.G.Feldmann	Hydraulic Failure Analysis: Fluids, Components, and System Effects	ASTM, West Conshohocken	2001
4,	Wolfgang Bock	Hydraulik-Fluide als Konstruktionselement	Vereinigte Fachverlage, Mainz	2007
5,	T.Christopher Dickenson	Filters and Filtration Handbook	Elsevier	1979
6,	E.C.Fitch,	Fluid Contamination Control	Fluid Power Reseach Center Oklahoma	1988

Table 5.2 Course specification

Course:		Selected chapters of enterprise's management and control
Course id:	IMDR69	
Number of ECTS:	16	
Teachers:		Maksimović M. Rado, Tešić M. Zdravko
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The goal of course is to master the basic concepts and approaches that allow the definition of the global architecture of the system, the consistency of decision making across the business system, monitoring the flow models whose activities go beyond the limits of functions, business process management and real-time basis for the definition of enterprise business process improvement.

2. Educational outcomes (acquired knowledge):

Students will be able to participate in the creation of different types of organizational and management model of enterprises with the aim of building a complete representation of enterprises, which consists of the definition of the mission, strategy, key performance indicators (KPI), business processes and competencies and their relations to improve synergies within the company and fulfill the mission and vision of an effective and efficient manner. In addition, students will be able to use tools that allow companies to share key information / knowledge to achieve business process coordination and cooperative decision-making, and achieve enterprises integration.

3. Course content/structure:

Structure of enterprises. The functional approach to the organization of business processes. Process approach in the organization of business processes. Methodological approaches to modeling business processes. Business Process Reengineering. Architectures for enterprise integration. CIMOSA and GRAI concepts. ARIS modeling approach and the integration of business processes. Specifics of modeling service organizations and public sector enterprises. PLM as a concept of enterprise integration. Enterprises Interoperability - the basic framework. Integration of information technology in enterprises. Enterprise systems and their integration (ERP, SCM, BPMS). Key performance indicators. Measuring the performance of business processes. Practical examples of the organization, management and integration processes in the enterprise.

4. Teaching methods:

To achieve the set goals of education in the learning process are using a combination of lectures with presentation software solutions and case studies supported by applicative systems for analysis and modeling organizational structures and business processes. Case studies are used to lay the practical basis and show students how to analyze, model and improve business processes in real-life situations

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Burbidge, J.L.	Production Flow Analysis	Clarendon Press, Oxford	1989
2,	Zelenović, D., Ćosić. I., Maksimović, R.	Design and Reenginering of Production Systems: Yugoslavian (IISE) Approaches, Vol. I6 in Monograph "Group Technology and Cellular Manufacturing", State of-The-Art Synthesis of Research and Practice	Kluwer Academic Publishers, Massachusetts	1998
3,	Zelenović, D.	Tehnologija organizacije industrijskih preduzeća	Fakultet tehničkih nauka	2005
4,	Tešić, Z., Lalić,D.,Ćosić, I., Mitrović, V.	Integration of information for manufacturing shop control	University of Ljubljana	2010
5,	Waldman D., Jensen E.	Industrial Organization	Prentice Hall	2012
6,	Hammer, M., Champy, J.	Reengineering the corporation	Harper Business	2001

Table 5.2 Course specification

Course:		Advanced risk assessment methods
Course id:	IMDR72	
Number of ECTS:	14	
Teacher:		Sakulski M. Dušan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

To gain a knowledge and understanding regarding advanced disaster risk assessment methods

2. Educational outcomes (acquired knowledge):

Students will be capable to apply a contemporary mathematical and statistical disaster risk assessment tools regarding various natural and human induced hazards

3. Course content/structure:

This course will implement the advanced risk assessment methods. Students will focus on the advanced assessment of the basic risk parameters such as hazard, vulnerability, exposure and resilience. Special attention will be on the probabilistic risk assessment methods. After the course completion students will be able to apply knowledge gained.

4. Teaching methods:

Lectures, computer based exercises and consultation.

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			
Term paper	Yes	15.00			
Test	Yes	25.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Tim Bedford and Roger Cooke	Probabilistic Risk Analysis: Foundations and Methods	Cambridge	2001
2,	Patrizia Grossi	Catastrophe Modeling: A New Approach to Managing Risk	Springer	2005

Table 5.2 Course specification

Course:		Industrial eco-marketing management
Course id:	IMDR82	
Number of ECTS:	14	
Teachers:		Bunčić M. Sonja, Nikolić T. Slavka, Vojinović-Miloradov B. Mirjana
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Understanding of eco-products / brands as a modern phenomenon and sustainable ecological imperatives of sustainable development, health security, economic production and environmental improvement. Decision-making in the field of eco-marketing in terms of ecological development of the economy, industry and social development.

2. Educational outcomes (acquired knowledge):

The ability of the optimal management of eco-marketing in terms of environmental engineering, sustainable development and eco-marketing success in all spheres.

3. Course content/structure:

Challenges, strategies and new approaches to eco-marketing. Fitting between traditional and eco / green marketing. Standards, laws, guidelines and recommendations. BAT (Best Available Techniques) and BEP (Best Environmental Practice). Stockholm and Basel Convention. Eco-marketing and environmental engineering, production eco-modification, eco-packaging. The main segments of the integrated sustainable eco-marketing: eco-design, shape, color, eco-positioning. Promotion of organic products and eco-marketing. The main areas of eco marketing: product and productivity in the function of preventing contamination of the environment and the elimination of existing and potential ecological damage. Price of products focused on environmental packaging and organic production. The financial benefit of eco-marketing, fellowship and mutual funds in the eco-marketing. Eco-law. Friendly and eco-oriented marketing activities, substitution of hazardous products with eco-products. Urban metabolism, productivity, flows of hazardous materials, safety and eco-marketing.

4. Teaching methods:

Lectures (mentor with a student chooses one or more modules, depending on the scope of the module). Consultation. Lectures are conducted in combination. Leaving the theoretical part is followed by examples. In addition to lectures are held regularly and consultation. Through study research student, studying scientific journals and other literature, self deepens the material from the lecture. In addition to working with the teacher, student is trained to write your own scientific work.

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	60.00
Test	Yes	30.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Webster, F. E.	Industrial Marketing Strategy	New York: JohnWiley & Sons.	1991
2,	Ottman, J.A.	Green Marketing Opportunity for Innovation	NTC Business Books, Chucago	1998
3,	Dragan A. Marković, Šimon A. Đarmati, Ivan A. Gržetić et al	Fizičkohemijski osnovi zaštite životne sredine - Izvori zagađivanja, posledice i zaštita, II	Univerzitet u Beogradu	1996
4,	Al Iannuzzi	Greener Products: The Making and Marketing of Sustainable Brands	CRC Press	2011
5,	Nikolić, T.S.; Ćosić, I.; Miletić, A., Pečujlija, M	The Effect of the 'Golden Ratio' on Consumer Behaviour	African Journal of Business Managemen,Vol. 5(20), pp. 8347-8360	2011
6,	Nikolić, S. et al.	Industrijski eko-marketing	FTN - Novi Sad	2013
7,	Wilson, R. M. S. and Gilligan,C.	Strategic Marketing Management: Planning, implementation and control	Elsevier, Amsterdam	2005
8,	Kuhre, W.L.	ISO 14020s Environmental labeling-marketing, efficient and accurate environmental marketing procedures	New York: Prentice Hall PTR	1996
9,	Graedel T.E., and B.R. Allenby	Design for Environment	Prentice Hall, Inc. Simon & Schusters/A Viacom Company Upper Saddle River	1996

Table 5.2 Course specification

Course:		Quality abd organisational performance
Course id:	IMDR83	
Number of ECTS:	14	
Teachers:		Beker A. Ivan, Jocanović T. Mitar, Kamberović L. Bato, Milisavljević M. Stevan, Radlovački S. Vladan, Šević D. Dragoljub
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The course is designed as a base for examining the most important outcomes of the quality management system - increase in organizational performance. Students will be introduced to the approaches in research methods of relations between quality management and organizational performance. By observing the nature of relations between these important aspects, students will be trained for the research which are aimed towards effective improvements of in organization

2. Educational outcomes (acquired knowledge):

Upon passing the exam, students will be able to explore the relations between quality management and organizational performance, and to apply existing knowledge in order to achieve effective organization and quality management system improvements. Course provides fundamental knowledge of relationship between quality management and organizational performance dimensions (elements), which serves as guidance of organizational efforts towards effective improvements.

3. Course content/structure:

Quality management system. Quality dimensions. Organizational performance. Examination of the relationship between quality management and organizational performance. Improvements which are based on studies of relationship between quality management and organizational performance. Performance in unfavorable environment.

4. Teaching methods:

Lectures, research work, consultations. The rating is based on the success of the project and an oral exam.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	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	2012
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	2012
3,	Radlovački V.	Opšti procesni model i ocenjivanje efikasnosti sistema menadžmenta kvalitetom u skladu sa zahtevima serije standarda ISO 9000	FTN Izdavaštvo, Novi Sad	2011
4,	Grupa autora	Metode i tehnike unapređenja procesa rada	FTN i IS-ITC Novi Sad	2012
5,	Grupa autora	SISTEM MENADŽMENTA KVALITETOM	FTN i IIS-ITC Novi Sad	2012

Table 5.2 Course specification

Course:		Data ACQUISITION, ANALYSIS AND INTERPRETATION 1
Course id:	IMDR84	
Number of ECTS:	14	
Teachers:		Pečujlija D. Mladen, Vrgović D. Petar
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The subject aims to enable students to understand many basic concepts, processes, and issues that arise when performing empirical studies in most psychological and managerial disciplines, and thus create a conceptual basis for later studies in facilities that include this type of knowledge.

2. Educational outcomes (acquired knowledge):

Students are trained in-house research design, data collection, data processing, univariate procedures, interpretation of data and preparation of reports on research conducted using the SPSS software package.

3. Course content/structure:

Preparation of research, design research design, data collection, analysis and interpretation of results, and preparation of the report on the investigation. Uzrorkovanje. Levels of measurement (nominal, ordinal, interval, ratio). Design of research tools. Frequency, correlation and factorial research designs. Student t test. Chi-square analysis. Univarjantna analysis of variance (ANOVA). Multivariate analysis of variance (MANOVA). Regression analysis. Within each of the three groups of drawings appear gradually from simpler to more complex types. At the end of the course describes the structure of a standard written report on the investigation. During the course, for illustration shows a large number of (mostly simplified) examples of research in many areas of management.

4. Teaching methods:

Lectures, computer exercises and consultations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Project	Yes	30.00	Practical part of the exam - tasks	Yes	20.00
Project task	Yes	15.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Dejan Todorović	Osnovi metodologije psiholoških istraživanja	DPS	1994
2,	Nunnally, J.M	Psychometric theory	McGRAW-HILL, INC	1994
3,	Stanislav Fajgelj	Metode istraživanja ponašanja	Centar za primenjenu psihologiju, Beograd	2004
4,	Mladen Pečujlija	Initiating innovation in Serbian companies' organizational cultures	Academic Journals.	2010

Table 5.2 Course specification

Course:		Effective technological and production structures
Course id:	IMDR85	
Number of ECTS:	14	
Teachers:		Ćosić P. Ilija, Lazarević M. Milovan, Maksimović M. Rado, Radaković J. Nikola, Šormaz N. Dušan, Tešić M. Zdravko
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The goal of the course is to enable students to understand the latest approaches in the development of technological and production structures in accordance with their prior knowledge and interests, as well as to introduce research work in this particular field of study.

2. Educational outcomes (acquired knowledge):

The outcome of the subject is the knowledge and student`s ability to understand the issues of effective technological and production structures and engage in research work in this field.

3. Course content/structure:

Changes in the technological and production structures. Approaches in development of technological and production structures. The principles in the development of technological and production structures. Characteristics of technological and production structures. Automation of processes of designing the technological and production structures. Simulation of technological and production structures.

4. Teaching methods:

Lectures: (Mentor and student select one or more modules depending on their volume). Consultation. Lectures are conducted in combination. Presentation of theoretical part is followed by the examples that clarify the theoretical part of the curriculum. In addition to lectures, consultations are held regularly. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. In addition to working with the teacher, students are trained to write their own scientific and research articles.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Zelenović, D.	Inteligentno privređivanje	Prometej, Novi Sad	2011
2,	Maksimović, R.	Složenost i fleksibilnost struktura industrijskih sistema	Fakultet tehničkih nauka u Novom Sadu	2003

Table 5.2 Course specification

Course:		Advanced topics on Innovation and Entrepreneurship
Course id:	IMDR70	
Number of ECTS:	16	
Teacher:		Borocki V. Jelena
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of the selected course is to improve and develop theoretical and empirical topics from innovation and entrepreneurship. The students will be able to (1) assess the changes, trends and impacts of different factors from the innovation and entrepreneurship field, to (2) identify strategies and ways how changes were implemented within the organization (product or service company), and (3) to analyze the impact of changes on level of innovation activities and entrepreneurship in existing enterprises (SMEs, companies - multinational, large, industries, institutions supporting entrepreneurship and innovation, et al.). Also, students should understand the impact of a dynamic business environment in creating innovative corporate strategy and innovation management strategies.

2. Educational outcomes (acquired knowledge):

Students who pass the exam will be able to (1) obtain the understanding of advanced research methodologies and approaches in selected areas, (2) compare and analyze the principles and theoretical approaches within several traditional and modern approaches to innovation and entrepreneurship, (3) demonstrate research skills in a process of critical examination all relations between theoretical explanations, methods, research issues and questions and empirical data in the selected area, (4) apply the knowledge and techniques to analyze specific research in the field.

3. Course content/structure:

The nature of entrepreneurship and opportunities - an introductory elements, based on identifying business opportunities in the region, sources of opportunities, active research and discovery, relations and capabilities of the business concept. Market elements of commercialization opportunities - research techniques, assessment of the size of market opportunities. Business ideas and testing the feasibility of the business idea, promotion, creation of business ideas in organizations. Detection of entrepreneurial opportunities and decision models. The concept of innovation - different methods of research; assessement the use of certain models in the changing conditions of the external environment. Business Models - Innovation processes, entrepreneurship, the development of the organization. Analysis of the results of different studies in the field of innovation, entrepreneurship and technology. Identification and selection of key elements of the research. Analysis of different techniques tools and models to gain a competitive advantage through innovation

4. Teaching methods:

Lectures. Consultations. Student independently deepens the subject-matter learned at lectures through his research work while studying scientific journals and other literature. In addition to working with the teacher, students are trained to write their own scientific papers.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Katic, Penezic, Borocki, Zekic	Entrepreneurship significance in restructuring process	TTEM – Technics, Technologies Education Management	2011
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, Ljubljana	2010

Table 5.2 Course specification

Course:		Selected topics of project management
Course id:	IMDR71	
Number of ECTS:	16	
Teachers:		Lalić P. Bojan, Morača D. Slobodan, Radaković J. Nikola
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of the course is that students master advanced approach to project management and specific knowledge necessary for the successful implementation of the project. During the teaching process, students will be introduced to modern techniques and tools integration process, time management, cost, quality, communications, risk and supply, as well as the procedures for the development and improvement of existing approaches, tools and techniques of project management.

2. Educational outcomes (acquired knowledge):

After completing this course, students will be able to manage complex projects, using modern approaches, tools and techniques for scientific research in this field.

3. Course content/structure:

The new project management approaches; Modern techniques and tools of project management;
Project management according to internationally recognized standards software packages for project management, Lean Project Management, Change Management, Development tools and techniques of project management, Agile project management methods.

4. Teaching methods:

Lectures, Auditory Practice, Laboratory Practice and Consultations. Lecturing method is based on the multimedia lectures and practice. During lectures problem frame is presented and facts and theoretical approach is analyzed, while the practice is interactive and practical in the form of laboratory practice. Besides lectures and practice, consultations are held on a regular basis. Lecturing method plans for at least 40% of the time to be devoted to the active participation of students, which includes working in the laboratory and visits to production and service organizations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Grupa autora	Korpus znanja za upravljanje projektima, četvrto izdanje	FTN	2010

Table 5.2 Course specification

Course:		Selected Chapters in Investment Management
Course id:	IMDR35	
Number of ECTS:	16	
Teacher:		Gradojević J. Nikola
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of this course is to enable students to understand the latest approaches in the narrow area of investment management and to introduce the research in this area.

2. Educational outcomes (acquired knowledge):

The outcome of the course is to obtain skills for independent and group research and research in the field of investment management.

3. Course content/structure:

Financial markets;International Finance; Money and banking; Exchange transactions; E-business; Strategic management; Corporate governance; Corporate finance; Entrepreneurial finance; Management investments

4. Teaching methods:

Lectures: (Mentor and student select one or more modules depending on their volume). Consultation. Lectures are conducted in combination. Presentation of theoretical part is followed by the examples that clarify the theoretical part of the curriculum. In addition to lectures, consultations are held regularly. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. In addition to working with the teacher, students are trained to write their own scientific and research articles.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Zvi Bodie, Alex Kane, Alan Marcus	Investments	McGraw-Hill/Irwin	2010
2,	Ramo Gençay, Nikola Gradojevic, Faruk Selcukand Brandon Whitcher	Asymmetry of Information Flow between Volatilities Across Time Scales	Quantitative Finance	2010
3,	Ramo Gençay and Nikola Gradojevic	Crash of 87 - Was it Expected? Aggregate Market Fears and Long Range Dependence	Journal of Empirical Finance	2010
4,	Nikola Gradojevic, Ramo Gençay and Dragan Kukolj	Option Pricing with Modular Neural Networks	IEEE Transactions on Neural Networks	2009
5,	Nikola Gradojevic	Non-linear, Hybrid Exchange Rate Modelling and Trading Profitability in the Foreign Exchange Market	Journal of Economic Dynamics and Control	2007

Table 5.2 Course specification

Course:		Selected chapters from Information management
Course id:	IMDR73	
Number of ECTS:	16	
Teachers:		Bošković M. Dragan, Ćulibrk R. Dubravko, Krsmanović B. Cvijan, Mirković R. Milan, Ristić M. Sonja, Stefanović M. Darko
Course status:		Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Introduction of students in selected field of information management and their preparation for independent research work. Consideration of information technology development perspectives and their applications in engineering management. Studying of actual approaches and methods in research work oriented to advancement of management procedures in business systems and their working processes.

2. Educational outcomes (acquired knowledge):

Introducing of students with modern development trends and approaches in problem solving processes in the field of information management. Students preparation for high-grade and accurate problems recognition and their solving using by scientific and research methods. Development and advancement of students creative component in individual and team work.

3. Course content/structure:

Contemporary information technologies and their development trends. Information technologies as a condition of success in the manager work. Management of information systems development in modern enterprises. Agile approaches in development of software products and systems purposed to support in manager work. Empirical software engineering. Contemporary data base systems and approaches in exploitation of data. Contemporary systems in business resources planning. Fundamentals and development of business intelligence systems. Electronic government systems. Case studies for applications of information technology means in engineering management.

4. Teaching methods:

A student, together with his advisor, select one or more of modules from the subject, dependency of its volume. Lectures are combined (theoretical considerations and analysis of practical examples). Consultations are usual. During of work with professors, a student are preparing himself for writing of scientific articles in selected scientific field.

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
1,	Clarke, S.	Information systems strategic management	Routledge Information systems Textbooks	2001
2,	Cockburn, A.	Agile Software Development	Addison/Wesley	2001
3,	Hawking, P.	Enterprise resource planning systems in a global environment	IGI Global	2008
4,	Homburg, V.	Understanding e-government: Information systems in public administration	Routledge	2008
5,	Tan, P., Steinbach, M., Kumar, V.	Introduction to data mining	Addison - Wesley	2006
6,	Vercelis, C.	Business intelligence: Data mining and optimization for decision making	Wiley	2009
7,	Juristo, N., Moreno, A.	Basics of software engineering experimentation	Springer - Verlag	2001
8,	Kimball, R., Ross, M.	The data warehouse toolkit: The complete guide to dimensional modeling	John Wiley & Sons	2011
9,	Johnston, T., Weis, R.	Managing time in relational databases: How to design, maintain and query temporal data	Morgan - Kaufmann	2010

Table 5.2 Course specification

Course:		Selected Topics in Quality Management and Logistics
Course id:	IMDR74	
Number of ECTS:	16	
Teachers:		Beker A. Ivan, Filipović V. Jovan, Jocanović T. Mitar, Kamberović L. Bato, Milisavljević M. Stevan, Radlovački S. Vladan, Šević D. Dragoljub
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The course introduces students to research in this area is characterized by an intense and innovative development. Students will become familiar with the development of the area in the past two decades, and the latest research and forecasts about developments in the future. The knowledge acquired will enable students a thorough understanding of the field of quality and logistics, which will form the basis for independent research.

2. Educational outcomes (acquired knowledge):

After completing courses and passing the exam, students will master the existing models developed in the particular area. Students will also gain the ability to create research and to critically analyze existing processes, quality management and logistics.

3. Course content/structure:

Logistics, supply chain management, quality management system, environmental management system, Health and Safety, Continuity of Systems

4. Teaching methods:

Lectures, research work, consultations. The rating is based on the success of the project and an oral exam.

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

Literature

Ord.	Author	Title	Publisher	Year
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	2011
2,	Hiroyuki Hirano	JIT Implementation Manual - The Complete Guide to Just-in-Time Manufacturing	Volume 1-6, CRC Press	2009
3,	Paul C. Husby and Dan Swartwood	Fix your supply chain : how to create a sustainable lean improvement roadmap	Productivity Press, 2009, ISBN-13: 978-1-56327-381-0	2009

Table 5.2 Course specification

Course:	Selected Topics in Risk Management and Insurance Management
Course id: IMDR75	
Number of ECTS: 16	
Teachers:	Avdalović A. Veselin, Ćosić I. Đorđe
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The goal of this course is to introduce students to the process of risk management, and technical and technological consequences of the execution risk, as well as contemporary processes of insurance

2. Educational outcomes (acquired knowledge):

After passing the exam, students will be trained in the proper analysis of the risk, its assessment and management methods of the same

3. Course content/structure:

analysis, risk assessment, risk management, risk management cycle, emergency response, reconstruction response, preparedness, mitigation, prevention, risk management current trends, satellite systems, geoinformation technology, satellite images, insurance and reinsurance companies as well as professional carriers rzika, Monte Carlo simulation, CAT-NET Munich Re.

4. Teaching methods:

Lectures, exercises and consultations

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	10.00	Oral part of the exam	Yes	50.00
Test	Yes	40.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Avdalović S., Ćosić Đ., Avdalović V.	Osnove osiguranja sa upravljanjem rizikom	FTN	2010
2,	Harrington, Niehaus	Risk management and insurance	The McGraw Hill Companies	2004

Table 5.2 Course specification

Course:		Selected topics in industrial marketing and media engineering
Course id:	IMDR76	
Number of ECTS:	16	
Teachers:		Kamberović L. Bato, Lalić S. Danijela, Nikolić T. Slavka, Radenković B. Vladimir, Radlovački S. Vladan, Ratković-NJegovan M. Biljana
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Educational objective: Gaining insight and understanding the complexities of industrial marketing and media engineering, and the necessity of a multidisciplinary approach for problems solving in a given scientific field.

2. Educational outcomes (acquired knowledge):

Gaining abilities for scientific research in the field.

3. Course content/structure:

Fundamentals and present trends in industrial marketing and media engineering. Tendencies in specific behavior of industrial users. Customer involvement and specific customer needs (Customer Co-Creation) in product design and development. Modern holistic approach in industrial marketing management. Modern media application. Media as a function of industrial systems. Quality management and marketing.

4. Teaching methods:

Lectures (mentor with a student chooses one or more modules, depending on the module scope). Consultations. Combined lectures. Theoretical part is followed by adequate examples. Through research study of scientific journals and other literature, student gains further insights in the field. With given mentorship, student is trained for writing scientific paper.

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
1,	Michael H. Morrris; Leyland F. Pitt; Earl D. Honeycutt, Jr.	Business-to-Business Marketing: A Strategic Approach	Sage Publications, London	2001
2,	Michael D. Hutt, Thomas W. Speh	Business Marketing Management	South-Western	2007
3,	Nikolić, T.S.; Pečujlija, M.	Customer behavior in the culture of fear and short attention	African Journal of Business Managemen, Vol. 6 (9), pp. 3147-3155	2012
4,	Zdravko Tešić, Vojin Mitrović, Ilija Ćosić, Danijela Lalić	Integration of Information for Manufacturing Shop Control	Strojniski vestnik - Journal of Mechanical Engineering 56 (2010) 3, pp. 217-223	2010
5,	Slavka T. Nikolć, Slobodan Miladinović	'Customized' Consumer and Consumer 'Innovator' in the Light of Social Capital and Dominant Cultural Pattern	5th International Conference on Mass Customization Marketing and Personalization in Central Europe	2012
6,	Danijela Lalić, Slađana Gajić, Valentin Konja	Social Media Influence on Mass Customization and Personalization Process	5th International Conference on Mass Customization Marketing and Personalization in Central Europe	2012
7,	Vladimir Radenković	Business practices in corporations of radio and television cable distribution programmes in Serbia	Journal for East European Management Studies	2010

Table 5.2 Course specification

Course:		Selected Chapters from Human Resource Management
Course id:	IMDR77	
Number of ECTS:	16	
Teachers:		Duđak D. Ljubica, Grubić-Nešić S. Leposava, Katić R. Ivana, Lalić S. Danijela, Pečujlija D. Mladen, Vrgović D. Petar
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The goal of this course is to introduce students to the basic principles and roles of human resource management in the engineering management.

2. Educational outcomes (acquired knowledge):

Knowledge about the practical implications of human resource management in a framework of organizational management, especially related to engineering management.

3. Course content/structure:

Organization's cultural climate of the organization; Knowledge Economy in the organization; Leadership and changes; Teamwork; Stress and conflict; Engineering Psychology; Motivating employees; Protection of employees.

4. Teaching methods:

Teaching is done interactively, with the active participation of students in the teaching process. Increased number of exercises has the aim to explain the students theoretical and practical approaches.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Homework	Yes	20.00	Theoretical part of the exam	Yes	20.00
Term paper	Yes	20.00	Oral part of the exam	Yes	40.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Desler,H.	Human Resource management	Prentice Hall	2005
2,	Cabrilo, S.; Grubic-Nesic, L.	„ The role of creativity, innovation and invention in knowledge management“, in Buckley, S. and Jakovljevic, M (ed.) Knowledge Management Innovations for Interdisciplinary Education: Organisational Applications,	IGI Global	2012
3,	Gragg,L.,Cassell,J.	Progress in management Engineering	Nova Science Publisher	2009

Table 5.2 Course specification

Course:		Odabrana poglavlja iz energetskog menadžmenta
Course id:	IMDR78	
Number of ECTS:	16	
Teacher:		Gvozdenac D. Dušan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Energy undoubtedly a strong influence on the national and regional economic and social development. This course introduces the chill of the energy flows in the building industry and in order to fully examine the opportunities and needs of their management. Energy efficiency and renewables are a great modern means of which they can make to reduce environmental pollution and production costs. This course covers many areas of energy and gives students the opportunity to get to know the basic tools used to analyze and create efficient energy management at the regional level, business or office building.

2. Educational outcomes (acquired knowledge):

• The acquisition of knowledge in the field of energy menadžmena and training for implementation, implementation and monitoring of the SIST ISO 50001 energy management ENMS.
• Knowledge of the flows of materials and energy production systems and
• Identify solutions for saving energy power systems
• Designing, implementing and monitoring the implementation of energy management.

3. Course content/structure:

Energy in Industry, Energy in Buildings, Energy Efficiency in Energy, Renewable Energy, an integrated policy on energy and the environment; Motivation industry to improve energy efficiency and environmental protection; legal framework for energy management and energy efficiency in the European Union (EU), the concept of energy management, energy management systems, and environmental impacts; Industrial energy systems (industrial steam systems, industrial elektrosistemi, cooling systems, industrial cogeneration); Energy in Buildings (energy requirements of buildings, heat consumption in buildings, thermal protection of buildings, energy infrastructure in buildings, measures to increase energy efficiency in buildings), measurement and verification (M & V) (Determination of energy conservation, monitoring of energy flows, Plan M & V and the summary of the effects Examples of M & V procedures for some parts of the energy system, Manage M & V procedures), design of energy efficient systems and components (effective, optimal and nearly optimal design; concept project, decision matrix, development of the concept; risk in the implementation of energy projects).

4. Teaching methods:

Lectures and workshops. Leaving the theoretical part of the following examples and calculations independent student.
Through study research student in consultation with the supervisor systematically processed following the set subject relevant scientific literature.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	60.00	Oral part of the exam	Yes	40.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Morvay Z K, Gvozdenac D D	Applied Industrial Energy and Environmental Management	John Wiley	2009
2,	Gvozdenac D, Gvozdenac-Urošević B, Morvaj Z	Energetska efikasnost (industrija i zgradarstvo)	FTN	2012
3,	Gvozdenac D, Nakomčić-Smaragdakis B, Gvozdenac-Urošević B	Obnovljivi izvori energije	FTN	2012
4,	-	ISO 50001 EnMS (Energy Management System)	ISO	-

Table 5.2 Course specification

Course:	Selected chapters in enterprise's design, organization and control
Course id: IMDR5	
Number of ECTS: 16	
Teachers:	Ćosić P. Ilija, Maksimović M. Rado, Radaković J. Nikola, Tešić M. Zdravko
Course status:	Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Acquiring the latest knowledge about design, organization and control methods of enterprises structure, based on group technology, manufacturing cells and the development of production, organizational and control structures with the ability to maintain an independent working existence. Mastering the techniques of applying methods of group approaches in the design, classification and analysis of trends in production and application of these methods and techniques in designing and revitalization of company production, organizational and control structures.

2. Educational outcomes (acquired knowledge):

Necessary knowledge and skills of the students for independent and group research and further research work in the field of design, organizing and control in enterprise. Acquiring skills for project management of construction or rehabilitation of production and organizational structures suitable for management.

3. Course content/structure:

Basics of group technology in manufacturing. Method of design, organization and control based on the classification of objects of production and structures capable of maintaining an independent existence of labor. Methods of design, organization and control based on the FFA, GA, LA, and PFA analysis. Method of design, organization and control based on Lean Principles. Case studies.

4. Teaching methods:

Lectures. Consultations. Seminar paper. Theoretical part of the subject-matter is followed by the examples due to clarify this part of the curriculum. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Burbidge, J.L.	Production Flow Analysis	Clarendon Press, Oxford	1989
2,	Zelenović, D., Ćosić. I., Maksimović, R.	Design and Reenginering of Production Systems: Yugoslavian (IISE) Approaches, , Vol. I6 in Monograph "Group Technology and Cellular Manufacturing", State of-The-Art Synthesis of Research and Practice	Kluwer Academic Publishers, Massachusetts	1998
3,	Shahrukh, A.I.	Handbook of Cellular Manufacturing Systems	John Wiley & Sons	1999

Table 5.2 Course specification

Course:		Selected chapters in automation			
Course id:	IMDR80				
Number of ECTS:	16				
Teachers:		Stankovski V. Stevan, Šešlija D. Dragan, Borovac A. Branislav, Ostojić M. Gordana, Dudić P. Slobodan			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
5	0	0	4	0	
Precondition courses		None			

1. Educational goal:

The educational goal is to introduce doctoral students in the chosen area of automation that is used in modern engineering industry.

2. Educational outcomes (acquired knowledge):

Outcomes are the knowledge and skills of students in independent and team research and research in the field of automation in industrial engineering.

3. Course content/structure:

A review of research in the fields of sensor, actuator, control systems, robotic systems, system integration, communication protocols, systems for automatic identification.

4. Teaching methods:

Mentor a student chooses one or more areas, depending on the scope of the field. Consultation. Lectures are conducted in combination. Leaving the theoretical part is followed by examples which serve to clarify the theoretical part of the curriculum. In addition to lectures are held regularly and consultation. Through study research student, studying scientific journals and other literature deepens own curriculum with lectures. In addition to working with the student teacher is trained to write your own scientific work in the chosen field.

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
1,	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	Enterprise Information Systems	2012
2,	Stankovski S., Ostojić G., Šenk I., Rakić-Skoković M., Trivunović S., Kučević D.	Dairy cow monitoring by RFID	Scientia Agricola	2012
3,	Dudić, S., Ignjatović, I., Šešlija, D., Blagojević, V., Stojiljković, M.	Leakage quantification of compressed air using ultrasound and infrared thermography	Measurement	2012
4,	Ignjatović, I., Šešlija, D., Tarjan, L., Dudić S.	Wireless sensor system for monitoring of compressed air filters	Journal of Scientific and Industrial Research	2012

Table 5.2 Course specification

Course:		Selected topics in quality engineering and logistics
Course id:	IMDR79	
Number of ECTS:	16	
Teachers:		Beker A. Ivan, Filipović V. Jovan, Jocanović T. Mitar, Kamberović L. Bato, Milisavljević M. Stevan, Radlovački S. Vladan, Šević D. Dragoljub
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The course introduces students to research in this area is characterized by an intense and innovative development. Students will become familiar with the development of the area in the past two decades, and the latest research and forecasts about developments in the future. The knowledge acquired will enable students a thorough understanding of the field of quality and logistics, which will form the basis for independent research.

2. Educational outcomes (acquired knowledge):

After completing courses and passing the exam, students will master the existing models developed in the particular area. Students will also gain the ability to create research and to critically analyze existing processes in the field of quality engineering and logistics.

3. Course content/structure:

Reliability, techniques and technologies in maintenance, logistics, supply chains, measuring and control technology

4. Teaching methods:

Lectures, research work, consultations. The rating is based on the success of the project and an oral exam.

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

Literature

Ord.	Author	Title	Publisher	Year
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	2012

Table 5.2 Course specification

Course:	Selected chapters from Information, management and communication systems
Course id: IMDR81	
Number of ECTS: 16	
Teachers:	Bošković M. Dragan, Ćulibrk R. Dubravko, Krsmanović B. Cvijan, Mirković R. Milan, Ristić M. Sonja, Stefanović M. Darko
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Introduction of students in selected field of information, management and communication systems and their preparation for independent research work. Consideration of information technology development perspectives and their applications in industrial systems engineering . Studying of actual approaches and methods in research work oriented to advancement of management procedures in industrial systems and their working processes.

2. Educational outcomes (acquired knowledge):

Introducing of students with modern development trends and approaches in problem solving processes in the field of information, management and communication systems in industry. Students preparation for high-grade and accurate problems recognition and their solving using by scientific and research methods. Development and advancement of students creative component in individual and team work.

3. Course content/structure:

Contemporary information technologies and their development trends. Information technologies as a condition of effectiveness in industrial systems work. Management of information systems development in modern industrial systems. Agile approaches in development of software products and systems purposed to support in manufacturing and production management. Empirical software engineering. Contemporary data base systems and approaches in exploitation of data. Contemporary systems in manufacturing resources planning. Fundamentals and development of business intelligence systems. Case studies for applications of information technology means in industrial systems engineering.

4. Teaching methods:

A student, together with his advisor, select one or more of modules from the subject, dependency of its volume. Lectures are combined (theoretical considerations and analysis of practical examples). Consultations are usual. During of work with professors, a student are preparing himself for writing of scientific articles in selected scientific field.

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
1,	Clarke, S.	Information Systems Strategic Management	Routledge Information Systems Textbook	2001
2,	Cockburn, A.	Agile Software Development	Addison - Wesley	2001
3,	Warner, T.	Communication Skills for Information Systems	Pearson Education Ltd.	1996
4,	Hawking, P.	Enterprise Resource Planning Systems in a Global Environment	IGI Global	2008
5,	Tan, P. N., Steinbach, M., Kumar, V.	Introduction to Data Mining	Addison - Wesley	2006
6,	Vercelis, C.	Business Intelligence: Data Mining and Optimization for Decision Making	Wiley	2009
7,	Juristo, N., Moreno, A.	Basics of Software Engineering Experimentation	Springer - Verlag	2001
8,	Elmasri, R., Navathe, S.	Database Systems: Models, Languages, Design and Application Programming	Pearson Education Ltd.	2011

Table 5.2 Course specification

Course:	Preparation for the Application of Doctoral Dissertation Topic
Course id: SID05	
Number of ECTS: 2	
Teachers:	
Course status:	Mandatory

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

Precondition courses: None

1. Educational goal:

Overview of situation in the area of the proposed topic for doctoral dissertation based on the scientific literature analysis – books, monographs, papers in referential journals, papers from conference proceedings, available documentation at websites, etc. The objective is to overview the possibilities of the thesis and scientific potential of the topic.

2. Educational outcomes (acquired knowledge):

Study on the potentials of the proposed doctoral dissertation topic, i.e. the systematized knowledge in the area of the research topic for doctoral dissertation, as well as clear directions in further research on the topic.

3. Course content/structure:

Defining the wider area of the doctoral dissertation topic and key motives for research. Overview of literature on the basis of available scientific books, monographs, papers in referential journals, papers from conference proceedings, available documentation at websites, etc. Study on the potentials of the proposed doctoral dissertation topic.

4. Teaching methods:

Teaching is performed as tutorials.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	70.00	Oral part of the exam	Yes	30.00

Literature				
Ord.	Author	Title	Publisher	Year
1,	Priznati naučnici i stručnjaci iz oblasti teme Dr teze	Razna naučna dela		sve

Table 5.2 Course specification

Course:		Motion controla and application of MEMS
Course id:	HDOL13	
Number of ECTS:	14	
Teachers:		Ivandić I. Željko, Jovanović M. Vukica, Kozak V. Dražen, Ostojić M. Gordana, Stankovski V. Stevan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of this course is to master the knowledge necessary for designing and implementing systems for motion control.

2. Educational outcomes (acquired knowledge):

Outcomes of the course are the knowledge that primarily cover the field of linear motion, and include sensors, actuators and control algorithms used for manipulation devices, machines and systems.

3. Course content/structure:

Exploring the possibilities of application of linear motion system with: servopneumatikom, servohidraulikom, DC motors, AC motors, servo motors. Research applications of sensors: proximity, position, pressure, velocity, flow. Exploring possibilities of MEMS as accelerometers, gyroscopes, pressure sensors.

4. Teaching methods:

Mentor and student select one or more modules depending on their volume. Consultation. Lectures are delivered in combination. Delivering the theoretical part is followed by the examples that clarify the theoretical part of the curriculum. In addition to the lectures, consultations are held regularly. While studying scientific journals and other literature student independently deepens subject-matter delivered at lectures. In addition to working with the teacher, students are trained to write their own scientific work.

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
1,	Tan K. K., T. H. Lee and S. Huang	Precision motion control: Design and implementation, 2nd ed.,	London, Springer	2008
2,	Robert H. Bishop	TheMechatronicsHandbook	CRC PRESS	2002
3,	Andrzej Pawlak	Senzors and Actuators in Mechatronics, Design and Applications	Taylor&Francis	2007

Table 5.2 Course specification

Course:		Nonindustrial automation
Course id:	HDOL14	
Number of ECTS:	14	
Teachers:		Ivandić I. Željko, Jovanović M. Vukica, Kozak V. Dražen, Ostojić M. Gordana, Stankovski V. Stevan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of this course is to enable students to understand the modern approach of the application of automation in thermal systems and research in this area.

2. Educational outcomes (acquired knowledge):

Outcomes are student`s knowledge and skills for independent and group research and further research work in this area.

3. Course content/structure:

Automation in residential and commercial buildings. Monitoring energy consumption in buildings. Control. The application of automation in education. A part of teaching activity is accomplished through an independent study research in the field of non-industrial automation. Research work includes active monitoring of primary scientific sources, organizing and conducting experiments and statistical data processing as well as writing a paper regarding a topic in the field of study.

4. Teaching methods:

Lectures: (Mentor with the student selects one or more modules depending on its volume). Consultation. Lectures are conducted in combination. Presentation of the theoretical part is followed by the examples that clarify the theoretical part of the curriculum. In addition to the lectures, consultations are held regularly. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. In addition to working with the teacher, students are trained to write their own scientific and research articles.

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
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
2,	Ostojić, G., Stankovski, S., Tarjan, L., Šenk, I., Jovanovic, V.	Development and Implementation of Didactic Sets in Mechatronics and Industrial Engineering Courses	International Journal of Engeneering Education	2010
3,	Grupa autora	Odabrani radovi sa SCI liste		2010

Table 5.2 Course specification

Course:		COGNITIVE MANAGEMENT
Course id:	IMDR10	
Number of ECTS:	14	
Teachers:		Pečujlija D. Mladen, Vrgović D. Petar
Course status:		Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses

1. Educational goal:

Introduce students to basic concepts of cognitive management, raising awareness of the relevance of cognitive management as applied management discipline, developing awareness of and openness to interdisciplinary cooperation touch with scientific disciplines, exploring the scientific and practical aspects of the problem. Introduction, application and development of standard methods (including experimental testing) and research techniques in management. Introduction to the method of application of psychological knowledge, theory and research to solve problems in practical work.

2. Educational outcomes (acquired knowledge):

Mastering the cognitive principles and regularities of human economic behavior and ways of application of psychological knowledge and principles to the design, editing and predicting economic behavior of both individuals and groups, and understanding the nature of human interaction and psychological characteristics of human psychological processes and economic behavior.

3. Course content/structure:

Introductory considerations. Definition of cognitive management. Predictors of cognitive management. Cognitive management as parallel and sequential process. Terror management theory and cognitive management. Cognitive psychology of learning and management. Attitudes and cognitive management. Values and cognitive management. Emotions and cognitive management. Cognitive development and management. Motivation and cognitive management. Cultural, gender and age aspects of economic behavior. Cognitive management in crisis situations. The concept of justice and cognitive management. Cognitive and tax management. Emotional branding. Changing attitudes: the central and lateral strategies. Connotative and denotative meaning. Hemispheric strategies in information processing and decision making. Psychological aspects of adopting a new economic system. Methods and techniques of research

4. Teaching methods:

Lectures, case studies, practical exercises and consultations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			
Project defence	Yes	30.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Pecujlija, M. et al	Employees' Attitudes Toward Company Privatization as Possible Predictors of a High-Performance Work System	African Journal for Business and Management	2010
2,	Kirchler, E.	The economic psychology of tax behaviour	Cambridge University Press.	2007
3,	Pecujlija, M. et al	Questionnaire and EFA as Tools for Researching Employee's Assumptions Despite of Scheins Opposite Claims	African Journal for Business and Management	2010
4,	Anand, Stephen Lea	The psychology and behavioural economics of poverty	Journal of Economic Psychology	2011

Table 5.2 Course specification

Course:		Employees' creativity management
Course id:	IMDR11	
Number of ECTS:	14	
Teacher:		Vrgović D. Petar
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Goal of the course is to master the basic and advanced skills necessary to analyze, measure and manage the creative potentials of employees in organizations. The course aims to familiarize students with the rules and principles, which are used to optimally manage creative power of all employees in the organization in order to maximize their potential. On the basis of this course competences for research and active management of the creative forces of the whole working organization will be aquired.

2. Educational outcomes (acquired knowledge):

On the basis of goals achieved in the course, it is expected that students will be able to independently design and conduct research processes aimed at obtaining information on the level of creative potential of employees in the organization, about the factors that affect them, as well as their degree of utilization. The outcome of the course will be the students' competences for proper and optimal use of the creative potential of the employees in organizations through a systematic approach, with emphasis on mastering systems of idea management and creative stimulation.

3. Course content/structure:

Thematic sections: Factors and scientific approaches to the concept of creativity, creative potential measurement, researching stimulating and hindering factors of creativity, managing the creative force of employees,idea management systems, open innovation.

4. Teaching methods:

Teaching is done interactively, with the active participation of students in the teaching process and with organizing empyrical research of the observed phenomena.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	30.00	Written part of the exam - tasks and theory	Yes	30.00
Term paper	Yes	20.00	Oral part of the exam	Yes	20.00

Literature

Ord.	Author	Title	Publisher	Year
1,	DeGraff J., Lawrence K.A.	Creativity at Work - Developing the Right Practices to Make Innovation Happen	John Wiley & Sons, Inc.	2002
2,	von Stamm B.	Managing Innovation, Design and Creativity	John Wiley & Sons Ltd	2003
3,	VanGundy, A.B.	Getting to innovation : how asking the right questions generates the great ideas your company needs	AMACOM	2007
4,	Bilton K.	Menadžment i kreativnost	Clio, Beograd	2010

Table 5.2 Course specification

Course:		Organizational structures			
Course id:	IMDR12				
Number of ECTS:	14				
Teachers:		Borocki V. Jelena, Maksimović M. Rado			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
5	0	0	4	0	
Precondition courses		None			

1. Educational goal:

The goal of the course is to enable students to learn, develop and design different organizational structures necessary to plan, organize, lead and control processes.

2. Educational outcomes (acquired knowledge):

Students will obtain knowledge and competencies for analyzing processes, different types of organizational structures and for resolving practical problems in ant type of the company.

3. Course content/structure:

Vision, mission, goals, objectives and politics of the company; stakeholders, processes and their relations inside the company; different flows in the company; types of organizational structures; how to design effective organizational structure; organizational changes

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 and specific class projects due to use the acquired knowledge for real organizational structure design. Individual work - case study of one company from environment.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

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

Table 5.2 Course specification

Course:	Raster and Image Processing Technologies in Engineering and Management
Course id: IMDR34	
Number of ECTS: 14	
Teachers:	Ćulibrk R. Dubravko, Krsmanović B. Cvijan, Mirković R. Milan
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The objective of the course is to train students for basic and applied research work in the field of raster technology and image processing and further enhance their prospects for the use of resources and tools based on these technologies in industrial engineering and management.

2. Educational outcomes (acquired knowledge):

Opening new horizons of research in this area and define new areas of application of the underlying technology in industrial engineering and management. Practical means and tools to master the subject area and their application in research.

3. Course content/structure:

Fundamentals and mathematical basis of raster technology. Principles and means of digitization of documents and images. Structure and form of document in raster presentation. Raster presentation - fields and methodology. Recognition based on raster presentations. Cryptology. Processing digital documents and images. Principles and Methods of Image Processing. Pattern vectorization of raster presentation. Entity recognition. Application in media, industry and military technology. Research in the field of machine and robo-vision.

4. Teaching methods:

Teaching activity depends on the number of listeners, i.e. mentor or frontal approach.
During the course, students are required to prepare a seminar paper and its defense.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	60.00	Oral part of the exam	Yes	40.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Gonzalez, R., Woods, R. E.	Digital Image Processing, 3rd Edition	Prentice Hall	2007
2,	Umbaugh, S.	Computer Imaging: Digital Image Analysis and Processing	Prentice Hall, Inc.	2005

Table 5.2 Course specification

Course:		Advanced Data Models and Database Systems
Course id:	IMDR36	
Number of ECTS:	14	
Teacher:		Ristić M. Sonja
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Introducing students to advanced data models and database systems. Students learn to engage in actual projects in the field of databases.

2. Educational outcomes (acquired knowledge):

Understanding the contemporary data models and database systems and acquiring knowledge and skills required for the use of advanced techniques for BP design.

3. Course content/structure:

Contemporary data models and database systems and their development trends. Distributed databases. The integration of data from different sources. Data warehouse systems. XML databases. Spatial databases. Temporal databases. Case studies for the application of contemporary data models and database systems.

4. Teaching methods:

Teaching activity depends on the number of listeners, i.e. mentor or frontal approach.
During the course, students are required to prepare a seminar paper and its defense.

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
1,	Elmasri R, Navathe S. B,	Fundamentals of Database Systems, 5th Edition	Addison Wesley	2006
2,	Malinowski E., Zimányi E.	Advanced Data Warehouse Design; From Conventional to Spatial and Temporal Applications	Springer	2008
3,	A.K. Elmagarmid; A.P. Sheth	Distributed and Parallel Databases; An International Journal	Springer US	2009
4,	K.-Y. Whang; P.A. Bernstein; C.S. Jensen	The VLDB Journal; The International Journal on Very Large Data Bases	Springer	2009
5,	Kashyap V., Bussler C., Moran M.	The Semantic Web; Semantics for Data and Services on the Web	Springer	2008
6,	Kutsche R-D., Milanovic N.	Model-Based Software and Data Integration; First International WS, MBSDI 2008, Berlin, Germany, April 2008	Springer	2008
7,	Akmal B. Chaudhri Awais Rashid Roberto Zicari	XML Data Management: Native XML and XML-Enabled Database Systems	Addison-Wesley	2003

Table 5.2 Course specification

Course:		CAE/CAD/CAM and CIM Concepts and Systems
Course id:	IMDR37	
Number of ECTS:	14	
Teacher:		Krsmanović B. Cvijan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Development of multicriteria review and systematic approach to using computer supported technologies in developing and designing new processes and reengineering existing products. Introducing listeners in research aimed at developing and implementing effective production processes and procedures based on computer integration of manufacturing, Rapid Prototyping and Rapid Manufacturing concepts.

2. Educational outcomes (acquired knowledge):

Listeners need to acquire certain knowledge and skills in computer aided modeling and redesign of industrial products, engineering analysis based on the digital product model, a highly productive design and modern approaches to documenting and archiving research and development results. As part of the subject, the audience will developed a clear vision of future product development and engineering design, and industrial production as a whole.

3. Course content/structure:

Industrial product as a technical system. Form, structure and metrics as the basic definition of the product. Engineering design and information technology to support development and product design. Computer aided modeling: principles, methods and tools. CSG and B-Rep model of the principles of building components. Sweeping Method. The principles of automated formation of higher-level application. The procedures and methods of computer aided engineering analysis. Construction supported by software tools. Documenting and archiving - concept and functions of digital archives. Design procedures in the production and assembly. Computer integration of manufacturing, fundamentals of CIM. Rapid Prototyping and Rapid Manufacturing methods and processes in modern industrial production.

4. Teaching methods:

Frontal approach in teaching activity; mentor approach in the case of small number of students.
During the course, students are required to prepare a seminar paper and its defense.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Groover, M. P., Zimmers, E. W.	CAD/CAM: Computer Aided Design and Manufacturing	Prentice-Hall, Inc., Englewood Cliffs, New Jersey 07632	1984
2,	Magrab, E. B.	Integrated Product and Process Design and Development: The Product Realization Process	CRC Press LLC, 2000 Corporate Blvd., N. W., Boca Raton,	1997
3,	Krsmanović, C.	Automatizacija projektovanja u industrijskom inženjerstvu; knjiga I: Principi i sredstva automatizacije projektovanja pr	Fakultet tehničkih nauka, Novi Sad, Republika Srbija	1997

Table 5.2 Course specification

Course:		Production control structure			
Course id:	IMDR38				
Number of ECTS:	14				
Teacher:		Tešić M. Zdravko			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
5	0	0	4	0	
Precondition courses		None			

1. Educational goal:

To achieve the set goals of education in the learning process using a combination of lectures, with presentation software solutions, and case studies supported software products for the implementation of a system for managing work processes. Case studies are used to lay the practical basis and show students how to apply different technologies in realistic industrial enterprises.

2. Educational outcomes (acquired knowledge):

Students will be able to participate in the creation of diverse and non-standard systems management that are incurred as requirements of different types of organizational structures and production companies. In addition, students will be able to apply the theoretical methods and techniques developed in the case studies show that the solutions to achieve business process coordination and cooperative decision-making, and how to manage the process of integration in the enterprise.

3. Course content/structure:

Structure of enterprises. Approached in the organization of business and production processes of enterprises. Specifics of the service organization's system and public sector enterprises Process approach in setting up the organizational structure. Production structure of the company. Access OPT - Optimum production technology. Approach - PBC - Management at equal intervals. Management in terms of group technology. Controls structure in LEAN manufacturing. Running a virtual system products. Information and communication technologies for the management of work processes. Implementation of SAP system in the management and production management. Practical examples of the organization, management and integration processes in the enterprise.

4. Teaching methods:

To achieve the set goals of education in the learning process using a combination of lectures, with presentation software solutions, and case studies supported software products for the implementation of a system for managing work processes. Case studies are used to lay the practical basis and show students how to apply different technologies in realistic industrial enterprises.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Dickersbach J, Keller G	Production planning and control with SAP	SAP PRESS	2010

Table 5.2 Course specification

Course:	Application of Information and Satellite Technologies in Risk Management
Course id: IMDR45	
Number of ECTS: 14	
Teacher:	Popov B. Srđan
Course status:	Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of this course is to enable students to understand the modern approach in the application of information and satellite technology in the field of risk management.

2. Educational outcomes (acquired knowledge):

The course outcomes are student`s knowledge and skills for independent and group research and research work in this area.

3. Course content/structure:

The reasons and the need for application of information and satellite technology. The present situation in the field of satellite technology. The connection between information and satellite technology. Modern software tools for the application of technology in risk management. Examples of application of technology in all phases of the risk management cycle.

4. Teaching methods:

Lectures. Consultation. Lectures are delivered in combination (traditional instruction and distance learning). Delivering the theoretical part is followed by the examples that clarify the theoretical part of the curriculum. Consultations are held regularly in addition to lectures. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. In addition to working with the teacher, students are trained to write their own scientific and research articles.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Michelle K. Hall , C. Scott Walker , Anne Huth , Robert F. Butler, Larry P. Kendall, Jeff S. Jenness	Exploring the Dynamic Earth: GISInvestigations for the Earth Sciences	ESRI	2009
2,	Michelle K. Hall , C. Scott Walker , Anne Huth , Robert F. Butler, Larry P. Kendall, Jeff S. Jenness	Exploring Tropical Cyclones: GIS Investigations for the Earth Sciences	ESRI	2009
3,	Ćosić Đ., Popov S., Sakulski D., Pavlović A	Geo-Information Technology for Disaster Risk Assessment	Acta Geotechnica Slovenica	2010
4,	Sakulski D.	Web-enabled GIS in Disaster Management	The Global Magazine for Geomatics	2005
5,	Michelle K. Hall , C. Scott Walker , Anne Huth , Robert F. Butler, Larry P. Kendall, Jeff S. Jenness	Exploring Water Resources: GIS Investigations for the Earth Sciences	ESRI	2009

Table 5.2 Course specification

Course:		Advanced Risk Management
Course id:	IMDR48	
Number of ECTS:	14	
Teacher:		Gradojević J. Nikola
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of this course is to enable students to understand the latest theoretical and practical knowledge in the narrow field of financial risks (including financial engineering) and the introduction of the research work in this area.

2. Educational outcomes (acquired knowledge):

The course outcome is student`s knowledge and training for independent and group research and research work in the management of financial risks (including financial engineering).

3. Course content/structure:

Forward (forward) and futures (futures) contracts and hedging (hedging) exposure to financial risks; price estimate options (option pricing) using a binomial and Black-Scholes model of dynamic hedging; indicators of financial risk (Value-at-Risk, Cashflow-at-Riski.td); SWAPS and their use, and financial engineering (exotic derivatives and related financial products).

4. Teaching methods:

Lectures. Consultations. Seminar paper.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	20.00	Oral part of the exam	Yes	40.00
Term paper	Yes	40.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	René M. Stulz	RiskManagementandDerivatives	Thomson, South-Western	2003
2,	John C. Hull	Options, Futures and Other Derivatives	Prentice Hall	2008
3,	Ramo Gençay and Nikola Gradojevic	Crash of 87 - Was it Expected? Aggregate Market Fears and Long Range Dependence	ournal of Empirical Finance	2010
4,	Nikola Gradojevic, Ramo Gençay and Dragan Kukolj	Option Pricing with Modular Neural Networks	IEEE Transactions on Neural Networks	2009
5,	Nikola Gradojević	Overnight Interest Rates and Aggregate Market Expectations	Economics Letters	2008

Table 5.2 Course specification

Course:		Media Research
Course id:	IMDR50	
Number of ECTS:	14	
Teacher:		Radenković B. Vladimir
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Acquiring the necessary knowledge in the field of research. Students will become familiar with the strategies and tools for media research, as well as with all relevant conditions in which modern organizations operate, and which have significant implications for media research results that the organization are using to improve the implementation of their communication goals within overall business objectives.

2. Educational outcomes (acquired knowledge):

Application of knowledge in research on filling specific organizational requirements. Engineering Management will be able to apply their research skills in order to get the desired information relevant to the implementation of the communication and media plan in any organization. Also, the improvement of their competence there is a possibility of opening new areas of application of all aspects of media research.

3. Course content/structure:

Investigation of the media and society; profit and objectives of media organizations in the media industry and market, media relations and environment, media and the public; Media changes in the direction of individualization and multiplication of consumer choice and audience fragmentation, modernization, globalization and commercialization of the media, Selected Topics in Media Control; Quantitative and qualitative measurement of diversity, balance, social benefits and production values of media content; Comparative study on the interaction of media, technology and communication, subjective and objective measures to assess the quality of picture and sound.

4. Teaching methods:

Classes are taught through verbal lectures and audio-visual exercises, with the introduction of the theoretical background of media research and learning based on practical examples. Testing knowledge is done through the development of the paper, which is obligation before final exam, and final oral examination.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	60.00	Oral part of the exam	Yes	40.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Picard, R. G.	Assessment of Public Service Broadcasting: Economic and Managerial Performance Criteria, The Public/Javnost, Vol. 10, No. 3, pp. 29–44.		2006
2,	--	Research Report on European Television Stations(2006), http://www.nuns.rs/dosije/19/12.jsp	-	2006
3,	McQuail, D.	Mass Communication Theory	Sage Publications	2005
4,	Radenković, V., Radenković, M., Engus, K.	Media and Social Responsible Business-Serbian Model	African Journal of Business Management	2010
5,	Radenković, V.	Business practices in corporations of radio and television cable distribution programmes in Serbia	Journal for East European Management Studies (JEEMS)	2010

Table 5.2 Course specification

Course:		Organisational Behavior
Course id:	IMDR51	
Number of ECTS:	14	
Teacher:		Grubić-Nešić S. Leposava
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The behavior of the employees is the most important factor of success. The complexity of studying the employees` behavior is conditioned by the fact that organizational behavior as a function of organizational culture, structure, personal characteristics, value and economic context on which the organization is based. Employed as carriers of human capital, their knowledge, skills, motivation, experience, form the basis of the development of the organization. The aim of this course is to introduce students to the basic laws of organizational behavior, and factors that determine it. Another aim is to master knowledge and skills important for directing, managing and developing desired organizational behavior.

2. Educational outcomes (acquired knowledge):

Students learn about the basic laws of organizational behavior, determinants, master the tools to diagnose current and desired behavior, and models of development and improvements in their results.

3. Course content/structure:

1. Organizational design and employees` behavior
2. Organizational culture
3. Staff - abilities, skills, knowledge
4. Organizational Communication
5. Team performance
6. Management Styles
7. Stress
8. Development of organizational behavior

4. Teaching methods:

Lectures and exercises

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	40.00	Oral part of the exam	Yes	60.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Robbins,S.	Organizational Behavior	PrenticeHall	1998
2,	McShane, Von Glinow,	Organizational Behavior - essentials	McGraw- Hill/Irwin	2007
3,	McKenna,E.	Business Psychology and Organisational Behavior,	Psychology	2007
4,	Petkovic,M.,	Organizaciono ponasanje	Press, Ekonomski fakultet, Beograd	2003
5,	Kirin,S.,Grubić-Nešić,L.,Cosic,I.,	Increasing a Large Petrochemical Company Efficiency by Improvement of Decision Making Process	Hemijska industrija ISSN 0367-598X	2010

Table 5.2 Course specification

Course:		Selected Chapters in Life Insurance
Course id:	IMDR53	
Number of ECTS:	14	
Teachers:		Mrkšić Lj. Dragan, Lisov R. Milimir
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of this course is to enable students to master and learn about the latest trends in the life insurance industry with special focus on new products and the European Union directives relating to life insurance and their implementation in practice of insurance companies.

2. Educational outcomes (acquired knowledge):

The reasons and the need for signing a life insurance. State life insurance in our country and the world. The possibility of implementing new life insurance contract and directives of the European Union in Serbia.

3. Course content/structure:

-The new life insurance contracts that are used in most developed countries, and still have no application or application is still expected in the market of life insurance in Serbia
-Contract-saving (savings), unit link, risk life insurance, life insurance with additional risk in case of serious illness
-EU Directive relating to life insurance and that Serbia will be obliged to apply as a condition for joining the European Union
-Contemporary models of life insurance commition as a precondition for the development of life insurance procedure applied in most developed countries-implementation of ISO procedures and instructions in the branch of life insurance
-Bank assurance in the life insurance industry
-New trends in the voluntary pension insurance

4. Teaching methods:

Lectures (traditional and distance learning). Consultation. Introduction to the theoretical concepts of insurance policy in the most developed countries worldwide. Students research work, scientific journals and other literature that enable them to write their own scientific papers with the assistance of their teacher.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Žarković Nebojša, Mrkšić Dragan i Lisov Milimir	Situation and possibilities of improvement of voluntary pension insurance in Serbia as a developing country	African Journal of Business Management	2010
2,	Mrkšić Dragan, Petrović Zdravko	Životna osiguranja	DIS Public, Beograd	2008
3,	Lisov Milimir	Privatno penziono osiguranje	Centar za automatizaciju i mehatroniku, Novi Sad	2006
4,	Ćurković Marjan	Ugovor o životnom osiguranju	CROACIA, Zagreb	2008
5,	Mašić Nikola	Životno osiguranje	Naklada autora, Zagreb	2008

Table 5.2 Course specification

Course:		Computer Vision in Industrial Engineering and Management
Course id:	IMDR54	
Number of ECTS:	14	
Teachers:		Crnojević S. Vladimir, Ćulibrk R. Dubravko
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The acquisition of advanced knowledge in the field of computer vision and extraction of information from multimedia contents (pictures and videos).

2. Educational outcomes (acquired knowledge):

Students will obtain the knowledge and skills that enable them to effectively apply the techniques of using images and video, artificial intelligence and machine learning to extract information from multimedia content. They will be introduced to different problems in the domain computer vision and basic techniques used to solve them.

3. Course content/structure:

The course will cover the following areas: techniques for coding and storing pictures and videos, image segmentation based on texture and color, object detection, classification, texture, detection of moving objects, tracking moving objects, detection of interesting behavior of objects and subjects. Theoretical classes will be complemented by hand-on training in the use of open source computer vision software to solve practical computer-vision problems.

4. Teaching methods:

Auditory and laboratory, seminar paper and oral exam.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	70.00	Oral part of the exam	Yes	30.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Rafael C. González, Richard Eugene Woods	Digital image processing	Pearson/Prentice Hall	2008
2,	Gary Bradski, Adrian Kaehler	Learning OpenCV: Computer Vision with the OpenCV Library	O`Reilly Media	2008
3,	Culibrk, D., Marques, O., Socek, D., Kalva, H., Furht, B.	c Modeling for Video Object Segmentation	EEE Transactions on Neural Networks	2007
4,	D Culibrk, M Mirkovic, V Zlokolica, M Pokric, V Crnojevic, D Kukolj	Salient Motion Features for Video Quality Assessment	IEEE transactions on image processing	2010
5,	Petrovic, N.I., Crnojevic, V.	Universal Impulse Noise Filter Based on Genetic Programming	IEEE transactions on image processing	2008

Table 5.2 Course specification

Course:		Traceability of Product Lifecycle
Course id:	IMDR56	
Number of ECTS:	14	
Teachers:		Herakovič S. Niko, Lazarević M. Milovan, Šormaz N. Dušan, Ćosić P. Ilija
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of the course is obtaining current knowledge and understanding of contemporary approach in the field of traceability and introduction into research issues in this area.

2. Educational outcomes (acquired knowledge):

Outcomes of the course are the knowledge that enables systematic traceability of different types of products and skills for independent and group research and advanced research work in this area.

3. Course content/structure:

Traceability of products. Introduction to the problem. Aspects of traceability. Traceability in the food industry. Environmental aspects - recycling. Modeling process and system of traceability. Standards of traceability. Technologies applied in product traceability. Infrastructure for access to information about the product. Tracking products in real time. Research trends in product traceability. Research of social and legal aspects of traceability. Case studies. Experimental studies in the laboratory.

4. Teaching methods:

Lectures: (Mentor with the student selects one or more modules depending on the volume.) Consultation. Lectures are delivered in combination. Theoretical part of the subject-matter is followed by examples due to clarify this part of the curriculum. Lectures and consultations are held regularly. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. In addition to working with the teacher, students are trained to write their own scientific and research articles.

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
1,	Milovan Lazarević	RAZVOJ MODELA ZA UPRAVLjANjE PROIZVODIMA U TOKU ŽIVOTNOG VEKA PRIMENOM RFID TEHNOLOGIJA	Autorski reprint	2009
2,	Stankovski, S., Lazarević, M., Ostojić, G., Ćosić, I., Purić, R.	RFID Technology in Product/Part Tracking During the Whole Life Cycle	Assembly Automation, Elsavier	2009

Table 5.2 Course specification

Course:		Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle			
Course id:	IMDR57				
Number of ECTS:	14				
Teachers:		Čuš -. Franci, Katalinić -. Branko, Lazarević M. Milovan, Ćosić P. Ilija			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
5	0	0	4	0	
Precondition courses		None			

1. Educational goal:

The aim of the course is to enable students to understand the latest approach in the development of the procedures and systems at end of product life cycle and introduction to research issues in this area.

2. Educational outcomes (acquired knowledge):

Outcomes of the course are the knowledge that enables students to understand issues relating to the procedures at the end of product life cycle and engage in research work in this field.

3. Course content/structure:

The concept of sustainable development. Industrial ecology. Ecological design and sustainable development. Dismantling for installation, maintenance and recycling. Design for Sustainability (DFS). Design for Environment (DfE). Design for disassembly (DfD). Design for Recycling (DfR). Problems of dismantling products. Technology of dismantling. Collection of products for disassembly. Trends in technology dismantling. Toxic materials. Logistics systems for recycling. Recycling technologies. National and European environmental legislation.

4. Teaching methods:

Lectures: (Mentor with the student selects one or more modules depending on the volume.) Consultation. Lectures are delivered in combination. Theoretical part of the subject-matter is followed by the examples due to clarify this part of the curriculum. Lectures and consultations are held regularly. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. In addition to working with the teacher, students are trained to write their own scientific and research articles.

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
1,	Vukelić Đ., Ostojić G., Stankovski S., Lazarević M., Tadić B., Hodolič J., Simeunović N.	Machining fixture assembly/disassembly in RFID environment (Article in press, Date of acceptance 23. February 2010)	Assembly Automation	2010
2,	Milovan Lazarević	PRILOG RAZVOJU SISTEMA ZA DEMONTAŽU PROIZVODA U SKLADU SA USVOJENOM STRATEGIJOM ZA UPRAVLjANjE PROIZVODIMA NA KRAJU ŽIVOTNOG VEKA	Autorski reprint	2006
3,	A.J.D. (Fred) Lambert Surendra M. Gupta	Disassembly modeling for Assembly, Maintenance and Recycling	The St. Lucie Press Series on Recource Management	2005
4,	Ian M. Langella	Planning Demand - Driven Dissassembly for Remanufacturing	Gabler edition wissenschaft	2007

Table 5.2 Course specification

Course:		Project Approach in Effective Systems
Course id:	IMDR59	
Number of ECTS:	14	
Teacher:		Palčič -. Iztok
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Acquiring knowledge about (1) project approach and effective systems, (2) theoretical bases in the area of leadership and project management, (3) current state in the subject area of project management, (4) current research and directions of further development and (5) intelligent systems supported through the establishment of Project Management. The aim is to assess the difference between leadership and management in the subject area, as well as understanding the concept of project readiness.

2. Educational outcomes (acquired knowledge):

Based on the philosophy of the project approach students will understand and be capable to improve working processes in the area of the project activity. According to the theoretical basis and situation in the domain of supremacy students will define the research area and contribute the selected trends in the scientific field of interest as well as advance the development of knowledge on managing projects in an unstable situation. Participants will be prepared to influence the development of project approach to effective systems.

3. Course content/structure:

Links between project management leadership (PML) and scientific approaches in the effective system (ES). Philosophy of the project and ES. Theoretical support in PML. Projects as a heritage of mankind. Philosophy of the organization, strategy and project success. Links between project success and project readiness of ES. The organizational aspects of project management. Scientific approach in PML discipline. The situation in the subject area according to the relevant scientific and professional sources. Leading researchers and their work. Areas explored since the PML became a scientific discipline. Approaches in the development and implementation of projects based on scientific knowledge. Current research in the field of PML (2000 - 2010). The project strategy. Dimensions of project success. Comparison between traditional and modern approaches. The importance of interest groups. Office, as a central unit, for project management. Access to "thinking beyond the boundaries of traditional values in project management". Ethics in PML. Beyond the boundaries of traditional PML. The project approach in manufacturing and product life cycle. Intelligent ES and project approach.

4. Teaching methods:

Lectures. Consultations. Seminar paper. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Poli, M.	Project Strategy: The Path to Achieving Competitive Advantage/Value	Stevens Institut of Technology	2006
2,	Maksimović, R., Lalić, B.	Flexibility and Complexity of Effective Enterprises	Journal of Mechanical Engineering, University of Ljubljana	2008
3,	Poli, M., Mithiborwala, .S., Maksimovic, R., Lalic, B.	PROJECT STRATEGY: SELECTING THE BEST PROJECT STRUCTURE,	PICMET; Portland	2009
4,	Turner, R.	The Handbook of Project-Based Management: Leading Strategic Change in Organizations(3rd Edition)	Nalco System	2008
5,	Kerzner, H.	Advanced Project Management: Best Practices on Implementation	Wiley, Hoboken, NJ.	2004
6,	PMI.Preveli Lalić, B., Marjanović, U.	Vodič kroz korpus znanja za upravljanje projektima	Fakultet tehničkih nauka, Novi Sad	2010

Table 5.2 Course specification

Course:		Enterprise Complexity and Flexibility
Course id:	IMDR60	
Number of ECTS:	14	
Teacher:		Maksimović M. Rado
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Acquiring the latest knowledge on the most important characteristics of company structure and their interconnectedness, as well as their impact on the other characteristics. Mastering techniques for the development of enterprise structure of low complexity and high flexibility.

2. Educational outcomes (acquired knowledge):

Student`s basic knowledge and skills for independent and group research and research in the field of organizational structure. Understanding crucial points of the relationship between the elements of company structure. Acquiring skills for project management of company construction or rehabilitation.

3. Course content/structure:

The complexity of manufacturing / service, organizational and management structure of companies, flexibility of production / service, organizational and management structure of companies. Interrelation of characteristics of complexity and flexibility of company structure. Company structure design with the most favorable ratio of complexity and flexibility. Case studies.

4. Teaching methods:

Lectures. Consultations. Seminar paper. Theoretical part of subject-matter is followed by the examples due to clarify this part of the curriculum. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Maksimović, R.	Složenost i fleksibilnost struktura industrijskih sistema	Fakultet tehničkih nauka u Novom Sadu	2003
2,	Maksimović, R., Stankovski, S., Ostojić, G., Petrović, S., Ratković, Ž.	Complexity and Flexibility of Production Structures	Journal of Scientific and Industrial Research (JSIR), Scientific Publishers	2010
3,	Maksimović, R., Lalić, B.	Flexibility and Complexity of Effective Enterprises	Strojniski vestnik -Journal of Mechanical Engineering, University of Ljubljana	2008
4,	Maksimović, R.	Relationship between Complexity and Flexibility of Production Structures	Strojarstvo, Croation Union of Mechanical Engineers and Naval Architects	2010

Table 5.2 Course specification

Course:		Enterprise Innovative Business
Course id:	IMDR61	
Number of ECTS:	14	
Teacher:		Borocki V. Jelena
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Acquiring the latest knowledge about the requirements to create an innovative company and possible differences between production and service companies. Identifying the impact of dynamic business environment to create innovative corporate strategy.

2. Educational outcomes (acquired knowledge):

Learning outcomes are required knowledge and skills of the students for independent and group research and further research work in this area.

3. Course content/structure:

Innovation - the basic concepts, strategies, innovations, innovative activities. Innovative organization - creating the basic preconditions, characteristics of innovative enterprise - management style, organizational structure, process innovation, staff training, creating a climate for encouraging innovative activities, characteristics of the basic models of measuring innovation enterprise, innovation in the region, differences in innovative activities of manufacturing and service companies.

4. Teaching methods:

Lectures. Consultation. Seminar paper. Examples from practice. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. Theoretical part of the subject-matter is followed by the examples due to clarify this part of the curriculum. In addition to working with the teacher, students are trained to write their own scientific and research articles.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Gupta Praveen	Business Innovation In the 21st Century – A Comprehensive Approach to Institutionalize Business Innovation	Accelper Consulting, USA	2007
2,	Bojović V, Šenk V,Rašković V, StančuMirosavljev M, Borocki J,Radovanović J.	Vodič za inovativne preduzetnike	U sklopu projekta PromotingEntrepreneurial Thinking in theHigh-tech Area,EU	2007
3,	J. Tidd, J.Bessant, K.Pavitt	MANAGING INNOVATION –Integrating technological, market and organizational change	John Wiley and Sons	2008
4,	Borocki. J., Maksimović, R.	Determination of Possible Differences in Applying the Strategic Planning Model between Manufacturing and Service Companies	acta Univerisitates: Mechanical Engineering	2009
5,	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	2010

Table 5.2 Course specification

Course:		Enterprise Business Process Integration
Course id:	IMDR62	
Number of ECTS:	14	
Teachers:		Šormaz N. Dušan, Tešić M. Zdravko
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of this course is acquiring knowledge on different approaches to the integration of business functions in manufacturing and service companies. Mastering the procedures, methods and techniques of business process integration with the aim of business system management - business.

2. Educational outcomes (acquired knowledge):

Gaining knowledge that will enable students to observe the company as a system of integrated business processes. Understanding the core functions of integration and needs of the company. Acquiring knowledge of automated systems to manage business and production processes in business system - company.

3. Course content/structure:

3. Course content/structure:
Enterprise organization and management in the terms of integrated business processes within the company. IIS access to the integration of company`s functions. ERP concept of Integrated Business Management. LEAN concept of company integration. Business Process Management - BPM approach to business process integration. Case studies (SAP, ORACLE, BAAN).

4. Teaching methods:

Compulsory number of lectures with examples from the above approach. Consultations are held regularly during and after the lectures. Seminar paper written on the basis of required reading and at least three papers published in journals from the SCI list. Through the study research work, seminar paper, scientific journals and other literature student deepens the knowledge acquired at the lectures. Application of obtained knowledge on writing scientific paper.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Tešić, Z., Mitrović, V., Ćosić,I., Lalić,D.	Integration of information for manufacturing shop control	Strojniski vestnik= Journal of Mechanical Engineering	2010
2,	Laudon, K., Laudon, J.	Essentials of Management Information Systems	Pearson Education-Prentice Hall	2010
3,	Bell, S.	Lean enterprise systems	Wiley-Interscience	2005
4,	Dickersbach,J., Keller, G., Weihrauch, K	Production Planning and Control with SAP	Gallileo Press	2007
5,	Ćosić, I., i dr.	Analysis of company development factors in manufacturing and service company</eng	Strojniski vestnik= Journal of Mechanical Engineering</eng	2010
6,	Vom Brocke, J., Rosemann, M.</eng	Handbook of Business Process Management</eng	Springer</eng	2010

Table 5.2 Course specification

Course:		Intelligent Organisation
Course id:	IMDR63	
Number of ECTS:	14	
Teachers:		Tešić M. Zdravko, Maksimović M. Rado, Marić B. Branislav
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Acquiring the latest knowledge about the performance of enterprise, its processes and organizational units, and on key indicators of company prerformance. Mastering the methods of organization and management as well as techniques and methodology of balanced management of company performance.

2. Educational outcomes (acquired knowledge):

Studentćs necessary knowledge and skills for independent and group research and further research work in the field of procedures of company organization and management. Understanding the fundamentals of the analysis of corporate performance. Acquiring the ability to run a business.

3. Course content/structure:

Organization and management of modern enterprise. Virtual Enterprise. Performance of company management. Key performance indicators (KPIs), Balanced Scorecards and other methods of balanced performance of company management. Case studies.

4. Teaching methods:

Lectures. Consultations. Seminar paper. Theoretical part of subject-matter is followed by the examples due to clarify this part of the curriculum. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Schwaninger, M.	Intelligent organizations - Powerful Models for Systemic Management	Springer	2006
2,	Thannhuber, M.J.	The Intelligent Enterprise	Springer- Physica-Verlag Heildelberg	2005
3,	Kaplan, R.S., Norton, D.P.P.	The Strategy-Focused Organization: How Balanced Scorecard Companies Thrive in the New Business Environment	Harvard Business School Press, Boston, Massachusetts	2001
4,	Kaplan, R.S., Norton, D.P.P.	The Balanced Scorecard – Measures that drive performance	Harvard Business Review – HBR	1999
5,	Đurić, Ž. , Maksimović, R., Adamović, Ž.	Key performance indicators in a Joint-Stock Company	African Journal of Business Management, Academic Journals	2010

Table 5.2 Course specification

Course:		Entrepreneurship and Organizational Development
Course id:	IMDR65	
Number of ECTS:	14	
Teachers:		Maksimović M. Rado, Borocki V. Jelena
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Acquiring the latest knowledge on key principles and the principles of entrepreneurship in innovative economy and the main characteristics of organizational development. Knowledge of the latest trends and key changes and concepts of organizational development and creating strategic plan of company development.

2. Educational outcomes (acquired knowledge):

Necessary knowledge and skills of the students for independent and group research and further research work in this area. Acquiring the ability to work independently in the company and / or institutions to support innovative enterprises, understand the core technology development, types and importance of certain institutions to support high-tech entrepreneurship.

3. Course content/structure:

Basic concepts and trends in modern business - impact of changes; role of corporate entrepreneurship to achieve higher levels of innovative activity in the enterprise; impact on the level of enterprise, characteristics of an innovative economy, strategic planning and entrepreneurship; stages of organizational development, creation of strategic plan of enterprise development and its application in unstable conditions. Characteristics of high-tech entrepreneurship, "technopreneurship. Problems in organizational development and ways of their solving - organizational development pyramid.

4. Teaching methods:

Lectures. Consultation. Seminar paper. Examples from practice. Through the study research work, scientific journals and other literature student independently broadens the knowledge presented at lectures. Theoretical part of the subject-matter is followed by the examples due to clarify this part of the curriculum. In addition to working with the teacher, students are trained to write their own scientific and research articles.

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
1,	Davenport, T.H.	Strategic Management in the Innovation Economy – Strategic Approaches and Tools for Dynamic Innovation Capabilities	Publicis Corporate and Wiley-VCH Verlag GmbH&Co. KGaA, Germany	2006
2,	John S.Oakland	Total organizational excellence – Achieving world-class performance	Butterworth-Heinemann, Linnacre House, Oxford	2001
3,	John Bessant, Joseph Tiddl	Innovation and entrepreneurship	John Wiley and Sons	2007
4,	Stepehen P.Robbins	Organization theory - structure, design and applications	Prentice-Hall International, Inc.	1987
5,	Đaković, V., Anđelić, G., Borocki, J.	Performance of extreme value theory in emerging markets: an empirical treatment	African Journal of Business Management	2010
6,	Maksimović, R., Lalić, B.	Flexibility and Complexity of Effective Enterprises	Strojniški vestnik - Journal of Mechanical Engineering	2008

Table 5.2 Course specification

Course:		Managerial decision-making
Course id:	IMDR66	
Number of ECTS:	14	
Teacher:		Mitrović M. Slavica
Course status:		Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The following are the objectives of the course Managerial decision-making: 1) to master the basic knowledge in the area of ??managerial decision-making in the industrial system; 2) to introduce students to methods and techniques of making managerial business decisions; 3) to train students in applying these tools and techniques; and 4) to introduce students with the rules of decision-making, factors of influence, as well as properties of decision makers. The purpose of the course is to provide students of management with competencies that will enable them to apply the basic principles and approaches for making functional managerial decisions in industrial systems.

2. Educational outcomes (acquired knowledge):

Students attending the subject of Managerial decision-making and passing the exam are enabled for the following: 1) applying the principles and approaches towards making functional decisions; and 2) using decision-making software for making the business system more successful. The student of management acquires competence in applying the principles and use of software for decision making, as the basis for improving the quality of industrial systems.

3. Course content/structure:

Introduction to managerial decision making; The process of strategic decision-making (good and bad decisions, Types of decision); Factors and stages of decision-making (constraints, environments, methods of decision-making); The context and framework of strategic decision-making, methods of growth in new markets; Personal factors of decision-making (knowledge, skills, and personality traits); Managerial / entrepreneurial decision-making (management style / decision-making style, responsibility and authority); Implementation of business decisions (resources required for the implementation of decisions, their monitoring and evaluation); Models of strategic managerial decision-making (Functional decision making); Decision-making software in business systems: Doctus, Excel Solver; Methods and techniques of strategic decision-making: Structured conflict, Delphi technique, electronic brainstorming, nominal group technique.

4. Teaching methods:

Lectures are presented with the aid of computers, consultation, and seminar papers - presentations.

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
1,	Slavica Mitrović	Menadžersko donošenje odluka - autorizovana predavanja	Fakultet tehničkih nauka	2012
2,	George Wright	Strategic Decision making	John Wiley&Sons	2001
3,	Bhushan, Navneet, Rai, Kanwal	Strategic Decision making	Springer	2004
4,	Bazerman, M.H.	Judgment in managerial decision making	John Wiley & Sons	2002
5,	Slavica Mitrovic et al.	EMPLOYEE TIME MANAGEMENT: A CASE STUDY FROM SERBIA	Metalurgia International	2013

Table 5.2 Course specification

Course:		Selected Chapters in Product Lifecycle Management
Course id:	IMDR67	
Number of ECTS:	14	
Teacher:		Anišić M. Zoran
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The goal of the course is mastering the skills required to effectively manage product lifecycle in the conditions of constantly changing functional requirements of the market, production system as well as environmental requirements during its service. Learning about the concept and factors of product lifecycle management (PLM) through building basic structures that ensure the effective creation, sharing and storing information about the product as well as its application in modern strategy of product management.

2. Educational outcomes (acquired knowledge):

Outcomes of the course are acquired knowledge about the structure of the product and family architecture of related products. The acquired engineering knowledge related to each of the phases of the lifecycle under the integrated software for monitoring and management.

3. Course content/structure:

The principles of integrated product development process. Product lifecycle, planning and management. Definition of the product. Specifications and market position of products. Structural Scheme for product and communication between the parts, components and product systems. Presentation and management of product family and product line. Functional requirements and decomposition through the application of Mass Customization and Open Innovation strategies. Product configurator.

4. Teaching methods:

Lectures. Consultations. Seminar paper.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Anišić, Z., Krsmanović, C.	Assembly Initiated Production as a Prerequisite for Mass Customization and Effective Manufacturing,	Strojniški vestnik - Journal of Mechanical Engineering.	2008
2,	Gecevska, V., Chiabert, P, Anisic, Z., Lombardi, F.	Product lifecycle management through innovative and competitive business environment	JIEM, 2010 –3(2): 323-336 –Online	2010
3,	Saaksvuori A., Immonen A.	Product Lifeycle Management	Springer-Verlag	2008
4,	Stark, J.	Product Lifecycle Management: 21st century Paradigm for Product Realisation.	Springer-Verlag	2004
5,	Grieves, M.	Product Lifecycle Management: Driving the Next Generation of Lean Thinking.	McGraw-Hill.	2005

Table 5.2 Course specification

Course:		Business Communication in Effective Systems
Course id:	IMDR68	
Number of ECTS:	14	
Teacher:		Lalić S. Danijela
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The goal is that students who study effective communication systems become familiar with main issues of business communication and thus, through the combination of theoretical background and current research work obtain basic knowledge for further research in the subject field and to link the current situation with the situation in real effective business systems.

2. Educational outcomes (acquired knowledge):

Students will master the issues of effective business communication, as well as relevant sources of the latest achievements in this area and thus, be prepared to approach research problems related to business communication in unstable conditions.

3. Course content/structure:

1. Introduction: Effective systems - effective (internal and external) communication 10%
2. Theoretical background 30%
3. Current situation in the field of research 10%
4. Current research, "open" questions and examples of good practice 30%
5. Presentation of independent research work 20%

4. Teaching methods:

Auditory and research work (with emphasis on research techniques on the Internet)

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,	John V. Thill & Courtland L. Bovee	Excellence in Business Communication	Prentice Hall	2011
2,	Courtland L. Bovee & John V. Thill	Business Communication Today	Prentice Hall	2010
3,	Deborah Roebuck	Improving Business Communication Skills	Prentice Hall	2006
4,	Thomas Cheesebro, Linda O Connor & Francisco Rios	Communication Skills Preparing for Career Success	Prentice Hall	2007
5,	-	Journal of Business Communication	Pretraživo na Kobson servisu - poslednjih 10 godina	2011
6,	-	Business Communication Quarterly	Pretraživo na Kobson servisu - poslednjih 10 godina	2011
7,	-	Business Communications Review	Pretraživo na Kobson servisu- poslednjih 10 godina	2011
8,	-	Journal of Business Communication	Pretraživo na Kobson servisu - poslednjih 10 godina	-
9,	Kolarić, B.,Grubić-Nešić,L.,Radojčić,S.	The challenges of the customer services for modern market requests: a case study of Telecom Serbia	African Journal of Business Management	2010

Table 5.2 Course specification

Course:		Selected chapters from energy efficiency of compressed air systems
Course id:	IMDR86	
Number of ECTS:	14	
Teachers:		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:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The educational goal is to deepen the knowledge of doctoral students in the field of energy efficiency of compressed air automated systems and, in that sense, to became familiar with advanced pneumatic control systems, which is used in modern compressed air systems.

2. Educational outcomes (acquired knowledge):

Learning outcomes are the knowledge and skills of students in independent and team scientific and research work in the field of energy efficiency of compressed air.

3. Course content/structure:

Pneumatic control systems with the end position control, pneumatic control systems with stops between the final position, modeling of components (compressed air cylinders, control valves, ...), simulation models of pneumatic components, the application and effectiveness of different control techniques (P, I , D, PI, PID) on energy efficiency, Fuzzy regulation and energy efficiency of compressed air systems, Sliding mode and the energy efficiency of compressed air systems, Servopneumatic control and energy efficiency of compressed air systems, application of PWM control to increase the energy efficiency of compressed air systems, application of PCM control to increase the energy efficiency of compressed air systems, application of PNM control to increase the energy efficiency of compressed air systems, Influence of compressed air quality on energy efficiency, Non-conventional pneumatic actuators influence on energy efficiency, Pneumatic systems with closed circuits, Energy efficiency of complex (with pneumatic and / or hydraulic components) robotic cells.

4. Teaching methods:

Lectures are conducted in a combined way. Leacturing of the theoretical part is followed by examples which serve to clarify the theoretical part of the curriculum. In addition to the lectures, consultations are held regularly. Through study research student, studying scientific journals and other literature and conducting experiments, independently deepens the subject. In addition to working with the student teacher is trained to write his own scientific work in the chosen field.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Dudić, S., Ignjatović, I., Šešlija, D., Blagojević, V., Stojiljković, M,	Leakage quantification of compressed air using ultrasound and infrared thermography	Measurement	2012
2,	Ignjatović, I., Šešlija, D., Tarjan, L., Dudić S,	Wireless sensor system for monitoring of compressed air filters	Journal of Scientific and Industrial Research	2012
3,	Blagojević V, Šešlija D, Stojiljković M	Cost effectiveness of restoring energy in execution part of pneumatic system	Journal of Scientific and Industrial Research	2011
4,	Čajetinac, S., Šešlija, D., Aleksandrov, S., Todorović, M.	PLC Controller used for PWM Control and for Identification of Frequency Characteristics of a Pneumatic Actuator	Elektronika Ir Elektrotechnika	2012
5,	Ignjatović, I., Komenda, T., Šešlija, D., Mališa, V.	Optimisation of compressed air and electricity consumption in a complex robotic cell	Robotics and Computer-integrated Manufacturing	2012

Table 5.2 Course specification

Course:		Financial engineering of public sector
Course id:	IMDR87	
Number of ECTS:	14	
Teachers:		Dobromirov P. Dušan, Radišić M. Mladen
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Enabling students to adopt the principles of functioning of public institutions and to identify the most important trends of the application of modern engineering tools in the public sector, with the introduction to the key factors that determine national fiscal structure. The most important educational goals are to understand the basic concepts of defining the mobilization and disbursement of public resources; the acquisition of knowledge in the area of ??the company's relations to the public sector and benefits from the public sector; acquiring knowledge about the application of modern engineering tools in the public sector.

2. Educational outcomes (acquired knowledge):

Students will gain knowledge about the role and importance of public sector functioning for enterprises and industrial systems and understand the methods of analysis and decision-making in the public sector, as well as public sector regulation forms. The knowledge gained helps students understand the basic concepts of public sector management and participate in defining the relationship of the companies to the public sector.

3. Course content/structure:

The role and importance of the public sector. Public sector organization models. Public sector management. Defining the concepts of mobilization and disbursement of public resources. Relationships between the various government levels. The application of modern engineering tools in the public sector.

4. Teaching methods:

Lectures. Consultations. Essay.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	10.00	Oral part of the exam	Yes	50.00
Term paper	Yes	40.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Rosen, S.H., Gayer, T.	Public Finance	McGraw-Hill /Irwin, New York	2007
2,	Radišić, M., Nedeljković, A.	5C Model - Business Case Study Solving Methodology	The New Educational Review (ISSN: 1732-6729)	2012
3,	Hughes, O. E.	Public management and administration: An introduction	Palgrave, New York	2003

Table 5.2 Course specification

Course:		Planning and implementing cost structure of the investment cycle
Course id:	IMDR88	
Number of ECTS:	14	
Teachers:		Ivanišević V. Andrea, Marić B. Branislav
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Teaching enables students to master the complete process of planning and implementing cost structure of the investment cycle. The most important educational objectives relating to the preparation of students and adapting to new trends in the management of the investment cycle cost structure (and implementation plan) that include development of various projects of this type.

2. Educational outcomes (acquired knowledge):

Students will gain knowledge in the planning and implementation of cost structure of the investment cycle and learn about the latest trends.

3. Course content/structure:

Analysis of the necessary conditions for investment. The structure of the investment (a new building or machinery, technology, extension, expansion, investment and maintenance). Analysis of the market-defining programs. Return on investment budget and budget impact to the business (loans, profits, increased employment and the like.). Source documentation for the decision (investment initiatives, programs, business plan), sources of funding (own funds, loans, banks, funds). Planning investment flow. Documentation and approval (approval) for investment. Legislation and EU regulations. The realization of investment, contracting, performance, download. Activate investment.

4. Teaching methods:

Lectures. Consultation. Essay.

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
1,	Branislav Marić, Andrea Ivanišević	Planiranje i realizacija troškovne strukture investicionog ciklusa (elektronska skripta)	Fakultet tehničkih nauka Novi sad	2012
2,	Branislav Marić	Upravljanje investicijama	Fakultet za preduzetni menadžment	2006
3,	Božidar Leković, Andrea Ivanišević, Branislav Marić, Jelena Demko-Rihter	ASSESSMENT OF THE MOST SIGNIFICANT IMPACTS OF ENVIRONMENT ON THE CHANGES IN COMPANY COST STRUCTURE	Ekonomska istraživanja-Economic Research ISSN 1331-677X	2012

Table 5.2 Course specification

Course:		Controlling and Internal Audit in Corporate Governance.
Course id:	IMDR89	
Number of ECTS:	14	
Teachers:		Perović I. Veselin, Nerandžić B. Branislav
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of the course is to teach students about future PhD engineers with modern corporate governance instruments and instruments of implementation of modern management model of corporate governance. The basic knowledge and understanding of internal auditing and controlling, mainly audits of corporations in order to achieve the strategic goals of the organization and the industrial system and reduce business risks to achieve it.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge and skills necessary for the implementation of standards, procedures and internal control models of companies and other organizations. Knowledge of the practical application of tools and techniques of controlling business analysis reports in a company or other organization. Students will be able to: identify strategic components of control and internal audit, using models and tools for the analysis of controlling in businesses and organizations, draw conclusions, propose and compare different strategies that shape the reports and recommendations to the shareholders and management of the company, to participate in the application strategy to position the company with highly skilled engineers who are located at the position of analysts by enhancing performance measurement systems controlling companies and organizations involved in scientific research teams of enterprise management tools.

3. Course content/structure:

Strategic and operational Controlling Instruments. Controlling the preparation of business reports; Preparations for the analysis of business reports, check the operation of the information system of internal control, audit of financial statements; Wider rating company's solvency, financial and non-financial ratios, grade of integration of business processes; Problems surface for analysis, assessment of business model rizikas , methods of analysis, internal audit, and international standards, planning and stages of internal and operational auditing, internal audit role in the creation of the management of business risks.

4. Teaching methods:

Lectures using audiovisual equipment. Consultation. Lectures by experienced executives in part or whole enterprises function in the role of guest lecturers.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Nerandžić B.	Interna i operativna revizija	Stylos, Novi Sad	2007
2,	Perović V	Kontroling	Rodacomm, Novi Sad	2007
3,	Perović V., Nerandžić B., Bojanić R.	INFLUENCE OF CONTROLLING THE INVESTMENT PROJECTS IN ERP(M) WITHPRIMARY FOCUS ON THE CASH FLOW IN THE COMPANY	Metalurgia International	2012

Table 5.2 Course specification

Course:		Selected Chapters of Strategic Managment Accounting
Course id:	IMDR90	
Number of ECTS:	14	
Teachers:		Nerandžić B. Branislav, Perović I. Veselin
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The aim of this course implies completion and integration of component of strategic thinking necessary to PhD candidates - engineers who takes positions within the functions of finance, accounting, planning, control and financial reporting. Acquiring basic knowledge and understanding of accounting information as a management tool, in order to achieve the strategic goal of the industrial system and organization as well as reducing business risks in achieving strategic goal.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge and skills needed to implement standards, procedures and models for the evaluation of company's solvency in order to integrate successfully all functions in the company. Knowledge needed for the practical application of tools and techniques for strategic management accounting in the company and other organizations. Students are qualified to identify strategically components of information base of accounting system, use models and tools in order to analyze competition in the company and other organizations, make conclusions, propose and compare different strategies, create reports and recommendations for capital owners and management, participate in the application of strategy as an engineer who holds PhD and takes positions of scientific worker or analyst through the improvement of system of performance measurement of the company and other organizations.

3. Course content/structure:

The structure of strategic management accounting. Making of financial and business reports; Analysis of business reports of competitors from the point of the achievement of the strategic objectives of the company or corporation. Monitoring the operation of information systems and system of internal controls of the organization; Audit of financial statements; Evaluation of the company's solvency; Assessment of the integration of business processes; Analysis of the financial result in terms of strategic corporate objectives; Analysis of financial situation; Analysis of the production factors; Analysis of the production operations; Analysis of the consolidated business reports of multinational corporations; Transfer pricing in multidivisional business systems.

4. Teaching methods:

Lecturers use audiovisual equipment. Case studies. Consultation. Occasionally lecturers are experienced executives from the companies in the role of guest lecturers

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Nerandžić B.,Perović V.	Upravljačko računovodstvo	FTN, Novi Sad	2009
2,	Perović V.,Nerandžić B	Finansijsko poslovanje	FTN, Novi Sad	2010
3,	Milićević V.	Strategijsko upravljačko računovodstvo	EF, Beograd	2003

Table 5.2 Course specification

Course:		Product Family Development and Product Configurators
Course id:	IMDR91	
Number of ECTS:	14	
Teacher:		Anišić M. Zoran
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Mastering the development of modular product family architecture suitable for creation of a large number of product variants, according to individual customer requirements. Also, product configurator design able to connect customer requirements with functional characteristics of the product.

2. Educational outcomes (acquired knowledge):

After completing and passing the exam, students are able to design the architecture of the product and the production program that is suitable for the configuration to suit individual customer requirements. Students are also able to design the structure of the product configurator according to the required depth and width of customization.

3. Course content/structure:

Basics of Mass Customization strategy. Product family structure and development of structural scheme for a production programme. Linking consumer demands, attributes and their values ??to functional characteristics of a product. Determination of width and depth of customization. Different types configurators. The structure and design of a product configurator. Various case studies of commercial configurators.

4. Teaching methods:

Lectures are auditory, followed by appropriate slides, while excercises are performing in small groups mostly auditory, but partly in a computer laboratory.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Hvam, L., Mortensen, N.H., Riis, J.	Product customization	Springer	2008
2,	Anišić, Z.	Razvoj i menadžment proizvoda u toku životnog ciklusa	FTN	2011
3,	Piller, F., Tseng, M.	Handbook of Research in Mass Customization and Personalization	World Scientific Publishing Company	2009
4,	Simpson, T., Siddique, Z., Jiao, R.	Product Platform and Product Family Design: Methods and Applications	Springer	2005

Table 5.2 Course specification

Course:		Advanced Forecasting Methods and Techniques
Course id:	IMDR92	
Number of ECTS:	14	
Teacher:		Anišić M. Zoran
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The goal of the course is mastering the advanced techniques of exploratory and normative techniques in the function of technological and business forecasting.

2. Educational outcomes (acquired knowledge):

After completing the course and passing the exam, the student is able to use the advanced techniques of business and technology forecasting, which can be quantitative or qualitative. Students will be able to fully implement forecasting in real production and service systems.

3. Course content/structure:

Parameter selection and data collection. Data processing. The choice of forecasting methods. Exploratory methods: time series analysis, writing, morphological analysis. Normative methods: PATTERN methods and significance tree. Principles of prediction. Interpretation of forecasting results.

4. Teaching methods:

The lectures are auditory providing necessary theoretical background, while the exercises include examples of work assignments which are related to practical problems in the design of future technological trends.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Anišić, Z.	Tehnološko i poslovno predviđanje	FTN - skripta	2012
2,	Armstrong, J.	Principles of Forecasting: A Handbook for Reasearchers and Practitioners	Norwell, Kanada	2001
3,	Martino J. P.	Technological Forecasting for Decision Making	McGraw-Hill	1993

Table 5.2 Course specification

Course:		Virtual Enterprises and Collaborative Systems
Course id:	IMDR93	
Number of ECTS:	14	
Teachers:		Herakovič S. Niko, Lazarević M. Milovan, Šormaz N. Dušan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The course teaches the students the basic knowledge necessary to understand and analyze the latest approach in the development of virtual enterprises and collaborative systems and their organization and management. In addition, students will learn about the latest research in this area and will be trained for independent research in the subject area.

2. Educational outcomes (acquired knowledge):

After completing the course and passing the exam, students will be able to independently design and analyze virtual enterprise, as well as conducting research using valid scientific methods, with the aim of improving and optimizing existing virtual enterprises.

3. Course content/structure:

Introduction to the concept of virtual enterprise. Virtual environment. Agile virtual enterprise. The integration of virtual enterprises. Knowledge management in virtual enterprises. The concept of digital factory and digital production. Distributed production in virtual enterprises. The formation of virtual enterprise. Cooperative work. Distributed manufacturing companies and engineering teams. Production planning. Scheduling. Automation and Control. Simulations. Digital engineering. Collaborative design at an early stage. Work processes and communication systems. The human and social aspects of virtual enterprise.

4. Teaching methods:

Lectures: (Mentor with the student chooses one or more modules, depending on the scope of the module). Consultation. Lectures are conducted in combination. Leaving the theoretical part, followed by examples which serve to clarify the theoretical part of the curriculum. In addition to lectures, are held regularly consultation. Through study research student, studying scientific journals and other literature deepens own curriculum with lectures. In addition to working with the teachers, the students are trained to write your own scientific work.

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
1,	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
2,	L. M. Camarinha-Matos , H. Afsarmanesh, H.H. Erbe	Advances in Networked Enterprises: Virtual Organisations, Balanced Automation, and Systems Integration	Springer	2010
3,	Wang L., Nee Y.C.A.	Collaborative Design and Planning for Digital Manufacturing	Springer-Verlag London Ltd.	2009
4,	Koç M., Ni J., Lee J.	Introduction to e-Manufacturing, Information Technology Handbook	CRC Press	2005

Table 5.2 Course specification

Course:		Trends in the environmental management systems
Course id:	IMDR94	
Number of ECTS:	14	
Teachers:		Beker A. Ivan, Jocanović T. Mitar, Kamberović L. Bato, Milisavljević M. Stevan, Radlovački S. Vladan, Šević D. Dragoljub
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The course introduces students to research in the field of environmental management system in terms of relations with the logistics processes, processes related to the quality management system, hydraulic systems and processes related to customer relationship. Students will become familiar with the development of the area in the past two decades, and the latest research and forecasts about developments in the future. The knowledge acquired will enable students a thorough understanding of the field of the system of environmental management, which will form the basis for independent research.

2. Educational outcomes (acquired knowledge):

After completing courses and passing the exam, students will learn existing models of environmental management system from the standpoint of quality management systems, hydraulic systems, processes related to customer relationship, and logistics processes. Students will also learn the ability to create research related to the area and to critically analyze existing processes of environmental management system in the monitored 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.

4. Teaching methods:

Classes include lectures on the analysis of the examples, and the choice of different strategies and assessing the strategies to protect the environment. Students create project and present it to other students making the group after which a debate is realised. The exam consists of two parts: theory and tasks.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Ken Whitelaw	ISO 14001 Environmental Systems Handbook	Elsiver Butterworth-Heinemann	2012
2,	Grupa autora	SISTEM MENADžMENTA KVALITETOM	Fakultet tehničkih nauka, IIS - Istraživački i tehnološki centar, Novi Sad	2012
3,	Međunarodni standard	SRPS ISO 14000	Institut za standardizaciju Srbije	2005

Table 5.2 Course specification

Course:		Trends in Customer Relationship Management
Course id:	IMDR95	
Number of ECTS:	14	
Teachers:		Beker A. Ivan, Jocanović T. Mitar, Kamberović L. Bato, Milisavljević M. Stevan, Radlovački S. Vladan, Šević D. Dragoljub
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The subject introduces students to research in this area is characterized by an intense and innovative development. Students will become familiar with the development of the area in the past two decades, and the latest research and forecasts about developments in the future. The knowledge acquired will enable students a thorough understanding of the field of customer relationship management, which will form the basis for independent research.

2. Educational outcomes (acquired knowledge):

After completing courses and passing the exam, students will master the existing models of the management relationships with customers that are represented in the world. Understanding the existing models will let you select the correct strategy in forming relationships with customers.

3. Course content/structure:

Organization and CRM strategies, CRM as an integral business strategy, organization-oriented relations, communication channels through higher; Customizing offers individual buyer; Politics relationships with customers, analytical CRM, data analysis and "datamining"; segmentation and selection, "Cross-sell "analysis, the effects of marketing activities, reporting of results, operational CRM

4. Teaching methods:

Lectures, research work, consultations. The rating is based on the success of the project and an oral exam.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Mitrović S., Milisavljević S., Ćosić I., Leković B., Grubić Nešić L., Ivanišević A.	Changes in leadership styles in a transitional economy: A Serbian case study	African Journal of Business Management	2011
2,	Grönroos Christian	Service Management and Marketing: Customer Management in Service Competition	Chichester: Wiley	2007
3,	Hughes. A	How to measure CRM success	Database marketing Institute Ltd	2009

Table 5.2 Course specification

Course:		Project portfolio management
Course id:	IMDR96	
Number of ECTS:	14	
Teacher:		Morača D. Slobodan
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

Modern business characterized by multidisciplinarity, the use of modern technology and the increased intensity of changes, therefore it is necessary to train the participants to manage change through projects and train them for coordinating and directing the project from a variety of functions that businesses and projects are implemented by a number of companies in accordance with the requirements set and defined goals. Sustainability in the global market depends on the success of the company to manage changes through a series of multidisciplinary projects implemented by the internal and external environment so that it can be said that the modern form of management - project management. Process quality, effectiveness and efficiency of operations caused by the successful implementation of several projects using the knowledge, tools and techniques to manage a portfolio of projects to internal and external level. The main educational objective of this course is to enable students to succe

2. Educational outcomes (acquired knowledge):

After completing and passing the course, students are able to: identify the needs of stakeholders (users, corporate, organizations, institutions ...) to launch its portfolio of projects, perform the necessary analysis to determine the feasibility and viability of the projects, accurately define and agree on project ideas, define , plan and integrate the activities of multiple projects, analyzing and allocating the necessary resources in accordance with project priorities, and analyze the costs of the project, in collaboration with other members of the team involved in the implementation and control of the project portfolio, to the final results of the activities of the project to provide use and design documentation and the experience archive.

3. Course content/structure:

The integration process; Joint action of companies; Changes in the company; Managing change and managing a portfolio of projects; Standards and methodologies of project management; Requirements analysis; Methods and techniques; Portfolio preparation and initiating projects; Planning and integration of activities and resources for multiple projects; Project costs; Quality Management; Managing, implementation and coordination; Design documentation, Establishing control system of project portfolio; Project resources and procurement; Closure projects.

4. Teaching methods:

Multimedia lectures and exercises with examples of projects portfolio and explanation of the specific methods and techniques. Lectures in part by experienced project managers in the role of guest lecturers. In the exercises to encourage small group work, students are trained to implement project portfolio management methodology on specific examples of the application of engineering methods and techniques. Exercises are performed by a computer in a laboratory. Part of the teaching will be done in one of the companies.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Presentation	Yes	10.00	Oral part of the exam	Yes	50.00
Project	Yes	40.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Grupa Autora	PMBOK Vodič – četvrto izdanje	FTN	2010
2,	Parviz F. Rad, Ginger Levin	Project Portfolio Management Tools and Techniques	IIL Publishing, New York	2006
3,	Grupa autora	The Standard for Portfolio Management - 2nd Edition	PMI	2008
4,	Moraca S., Hadzistevic M. Drstevnsek I. Radakovic N.	Application of Group Technology in Complex Cluster Type Organizational Systems	Journal of Mechanical Engineering	2010

Table 5.2 Course specification

Course:		Entrepreneurial Management
Course id:	IMDR97	
Number of ECTS:	14	
Teacher:		Mitrović M. Slavica
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses: None

1. Educational goal:

The following are the objectives of the course of Entrepreneurial Management: 1) to acquire the basic knowledge in the field of entrepreneurial management in the modern business environment; 2) to introduce students with the basic determinants and forms of entrepreneurial management; 3) to acquire the basic knowledge and key skills of managing successfully both small and medium sized enterprises, as well as large industrial systems, and 4) to introduce students to management styles in companies.

2. Educational outcomes (acquired knowledge):

Students attending the course and passing the exam are able to: 1) create the preconditions for successful entrepreneurial management in the actual economic environment of both small and large organizations; 2) apply the determinants of entrepreneurial management in organizations; and 3) to implement management styles according to the required level of managerial effectiveness. This course provides students with competencies for managing and improving the organization towards innovating and creating new products and services.

3. Course content/structure:

Introduction to entrepreneurial management; Forms of entrepreneurial management: operative and proactive; Determinants of entrepreneurial management: focus on change, a focus on business opportunities and focus on the organization; Personal factors of entrepreneurs-managers; Managerial/entrepreneurial style of management; Application of styles management; Models and software of managerial/entrepreneurial governance.

4. Teaching methods:

The instruction is provided through lectures, theoretical subject matter with the required number of case studies, as well as through practical exercises aided by computers, consultation, and seminar papers – presentations.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Lecture attendance	Yes	5.00	Oral part of the exam	Yes	50.00
Project	Yes	45.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Slavica Mitrović et.al	Manager's Assessment of Organizational Culture	E+M Ekonomie a Management	2013
2,	Slavica Mitrović	Preduzetnički menadžment - elektronska skripta	Fakultet tehničkih nauka	2013
3,	N. V. R. Naidu, Naidu	Management and Entrepreneurship	International Publishing House Pvt. Ld	2008

Table 5.2 Course specification

Course:		Modern concepts, methods and tools of human resource management
Course id:	IMDR98	
Number of ECTS:	14	
Teacher:		Katić R. Ivana
Course status:		Elective

Number of active teaching classes (weekly)

Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses

1. Educational goal:

Gaining knowledge of modern methods and techniques in the field of human resource management with an emphasis on the practical application of key concepts in business.

2. Educational outcomes (acquired knowledge):

Students will be able to: (1) adopt the current methods and tools in the field of human resource management (2) the application of new skills to master the concepts of human resources, (3) gain knowledge of the business processes of international human resource management (4) analyze and identify professional and organizational profile (5) manage interpersonal relationships using the tools of psychological concepts in a measurable and cost-effective manner (6) identify, analyze and improve business activities based on the knowledge and skills in the field of human resource management.

3. Course content/structure:

Development trends in the management of human resources in the future: challenges for Human Resources in the 21st century, changing nature of work, employment, human resources in the public and private sectors.
International human resource management definitions, settings, international organizational models, cultural differences.
Human resource management in practice: adoption of new skills and tools used in practice, the modern tools of the process of recruiting employees, employee competence (types, frame, for reasons of competence, competency model development), interpersonal relations and intelligence employees (setting, the nature of relationships, trust and organizational relationships)
Psychological contracts: definitions, significance, nature of contract, maintaining a positive agreement.
Organizational Portfolio: diagnosis reference frame of the organization, staff, alignment of organizational and individual needs, organizational development and transformation
Professional identity: the professional game, professional style, talent acquisition, the balance between life and work.

4. Teaching methods:

Teaching includes lectures on the subject, with examples and exercises designed through team discussions, workshops, internet research, case studies.

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
Homework	Yes	20.00			
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Ronald R. Sims	Human Resource Management:Contemporary Issues, Challenges and Opportunities	Information Age Publishing, United States of America	2007
2,	Price,A.	Human resource management	Cengage Learning,EMEA, UK	2011
3,	Losey,M.Meisinger,S.Ulrich,D	The future of human resource management	John Wiley&Sons, USA	2005
4,	Armstrong,M	Armstrongs handbook of hrm practice	Kogan Page	2012

Table 5.2 Course specification

Course:		Data ACQUISITION, ANALYSIS AND INTERPRETATION 2
Course id:	IMDR99	
Number of ECTS:	14	
Teacher:		Pečujlija D. Mladen
Course status:		Elective

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
5	0	0	4	0

Precondition courses

1. Educational goal:

The subject aims to enable students to understand many basic concepts, processes, and issues that arise when performing empirical studies in most disciplines of management, and thus create a conceptual basis for later studies in facilities that include this type of knowledge.

2. Educational outcomes (acquired knowledge):

Students are trained in-house research design, data collection, data processing, multivariate methods (exploratory factor analysis, EFA, confirmatory factor analysis CFA, structural modeling, SEM, cluster analysis, canonical correlation analysis, the discriminatory analysis, a method of neural networks, data interpretation and preparation report on the research conducted and the use of the software package SPSS, AMOS, LISREL.

3. Course content/structure:

The presentation material is a continuation of the course, its advanced section where students are trained to perform the collection, processing and analysis of data using multivariate procedures that are consistent with the trends of the world's leading journals in the field (in depth). These are the procedures and konfarmitivne exploratory factor analysis, cluster analysis and Structural modeling method. The focus is primarily on logic and above all practice mentioned at the end of the course describes the structure of a standard written report on the investigation. During the course, for illustration shows a large number of (mostly simplified) examples of research in many areas of management.

4. Teaching methods:

Lectures, computer exercises, consultations

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Oral part of the exam	Yes	30.00
Project	Yes	30.00	Practical part of the exam - tasks	Yes	20.00
Project task	Yes	15.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Maruyama, G.M.	Basics of Structural Equation Modeling	Sage, Thousand Oaks, CA	1998
2,	Nunnally, J.M	Psychometric theory		1998
3,	Cohen, J., Cohen, P., West, S.G. and Aiken, L.S	Applied Multiple Regression/Correlation Analysis for the Behavioral Sciences	Erlbaum, Mahwah, NJ	2003
4,	Mladen Pečujlija, Ilija Ćosić,	A professor's moral thinking at the abstract level vs the professor's moral thinking in real life situation (consistency problem).	Springer	2011

Table 5.2 Course specification

Course:		Selected Chapters in Design for Excellence			
Course id:	IMDRPI				
Number of ECTS:	14				
Teachers:		Anišić M. Zoran, Ćosić P. Ilija			
Course status:		Elective			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
5	0	0	4	0	
Precondition courses		None			

1. Educational goal:

Acquiring specific knowledge in the field of comparative (simultaneous) engineering.

2. Educational outcomes (acquired knowledge):

Ability to deal with scientific and research work in the field.

3. Course content/structure:

Basic concept and history of DFX, Predecessors of the design for excellence, Abilities for assembly and manufacture, Basic idea and necessity of applying DFX, Diverse DFX approaches, Basic principles for DFX, Organization and Management of DFX approach, Procedure for product development, Comparative or simultaneous engineering (SE), Teamwork and cooperation, Evaluation of proposed solutions for improvement, Dimensions of DFX, Design for Assembly (DFA), Design for Manufacture (DFM), Design for Quality (DFQ), Design for Cost Optimization (DFC), Design for reliability, Design for service and maintenance, Design for safety, Design for environment protection, Design for simple usage, Design for fast market introduction, Computer-aided DFX and the integration with CAD, IIS-DFX developed tools in CAD, Tendencies for future development of the DFX approach.

4. Teaching methods:

Lectures. (Mentor and students select one or more modules depending on the size of the module content.) Consultations. Lectures are organized in combined form. The presentation of the theoretical part is followed by the corresponding examples. In addition to lectures there are regular consultations. In study and research, students investigate through scientific journals and other literature independently to upgrade the lectures. In working with the teacher, student is becoming capable for individual writing of a scientific paper.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Theoretical part of the exam	Yes	30.00
			Oral part of the exam	Yes	20.00

Literature

Ord.	Author	Title	Publisher	Year
1,	Zelenović, D. i ostali	Integralni razvoj proizvoda - osnove	FTN - Novi Sad	1998
2,	Huang, G.	Design for "X" - Concurrent Engineering Imperatives	Chapman & Hall	2000
3,	Bralla, J.G.	Design for eXcellence	McGraw-Hill	1996
4,	Andreasen, M., Kahler, S., Lund, T.	Design for Assembly	JFS Public, UK	1999

Table 5.2 Course specification

Course:		Doctoral Dissertation (Theoretical Bases)
Course id:	SID01	
Number of ECTS:	30	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	20	0

Precondition courses: None

1. Educational goal:

The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge, methods and contemporary knowledge from the magazines from the SCI list in order to solve concrete problems within the courses at Doctoral studies.

2. Educational outcomes (acquired knowledge):

Enabling students to individually connect the contents from the courses at Doctoral studies, apply previously acquired as well as new knowledge for observing the structure of the set problems and its systematic analysis in order to elaborate conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge and utilizing new methods individually and creatively, they use new knowledge in solving the set problems.

3. Course content/structure:

It is formulated individually in accordance with further research. Students read scientific literature, and perform analyses in order to find solutions for a concrete task which is defined by setting the task on the side of the supervisor and other lecturers at Doctoral studies. Theoretical bases present a classification examinations. Students are prepared to take the classification examination.

4. Teaching methods:

Student`s co-supervisor sets the seminar paper task and delivers it to the student. The student has the obligation to elaborate the paper within the set theme defined by the paper task, utilizing the literature proposed by the co-supervisor. During the paper elaboration, the co-supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality paper. During the study research work, the student has tutorials with the co-supervisor and course lecturers, and if needed, with other lecturers dealing with the problems in the field of the set paper task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is necessary for the task. After the defence of the paper, the candidate has to pass the oral examination in the field of the passed examinations, in front of a committee. If the examination is

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa liste Kobsona		sve
2,	grupa autora	časopisi i doktorske disertacije iz date problematike		sve

Table 5.2 Course specification

Course:		Doctoral Dissertation – Study and Research
Course id:	SID02	
Number of ECTS:	30	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	30	0

Precondition courses: None

1. Educational goal:

The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge and methods in solving concrete problems within the selected field. In this segment of Doctoral dissertation, students investigate the problem, its structure and complexity and on the basis of the performed analyses draw conclusions on possible manner in its solving. Researching the literature, students are introduced to methods attended for creative solving of new tasks and the engineering practice in their solving. The objective of students` activity within this segment of research is to acquire necessary experience through solving complex problems and tasks and recognizing the possibility for applying previously acquired knowledge in practice.

2. Educational outcomes (acquired knowledge):

Enabling students to individually apply previously acquired knowledge from diverse areas already studied in order to observe the structure of the set problem and its systematic analysis for drawing conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge from the selected field and they investigate diverse methods and papers related to the similar fields. Thus, students develop the competence to perform analyses and identify problems within the set theme. Practical application of the acquired knowledge from diverse areas develops in students the ability to overview the place and the role of engineers in the selected field, the demand for cooperation with other professions and the team work.

3. Course content/structure:

It is formulated individually in accordance with the elaboration of the concrete Doctoral dissertation, its complexity and structure. Students read scientific literature, Doctoral dissertations by other students dealing with similar theme; they perform analyses in order to find solutions for a concrete task defined by the task of the Doctoral dissertation.

4. Teaching methods:

The supervisor of the Doctoral dissertation sets the dissertation task and delivers it to the student. The student has the obligation to elaborate the dissertation within the set theme defined by the Doctoral dissertation task, utilizing the literature proposed by the supervisor. During the elaboration of the Doctoral dissertation, the supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality Doctoral dissertation. During the study research work, the student has tutorials with the supervisor, and if needed, with other lecturers dealing with the problems in the field of the set dissertation task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is predicted by the task of the Doctoral dissertation.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa liste Kobson		sve
2,	grupa autora	časopisi i doktorske disertacije iz date problematike		sve

Table 5.2 Course specification

Course:		Doctoral Dissertation – Study and Research
Course id:	SID03	
Number of ECTS:	10	
Teachers:		
Course status:	Mandatory	

Number of active teaching classes (weekly)				
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:
0	0	0	10	0

Precondition courses: None

1. Educational goal:

The continuation of study and research from previous semester. The application of fundamental, theoretical and methodological, scientific and professional, and professional and applicative knowledge and methods in solving concrete problems within the selected field. In this segment of Doctoral dissertation, students investigate the problem, its structure and complexity and on the basis of the performed analyses draw conclusions on possible manner in its solving. Researching the literature, students are introduced to methods attended for creative solving of new tasks and the engineering practice in their solving. The objective of students` activity within this segment of research is to acquire necessary experience through solving complex problems and tasks and recognizing the possibility for applying previously acquired knowledge in practice.

2. Educational outcomes (acquired knowledge):

Enabling students to individually apply previously acquired knowledge from diverse areas already studied in order to observe the structure of the set problem and its systematic analysis for drawing conclusions on possible directions in its solving. Through individual usage of literature, students broaden their knowledge from the selected field and they investigate diverse methods and papers related to the similar fields. Thus, students develop the competence to perform analyses and identify problems within the set theme. Practical application of the acquired knowledge from diverse areas develops in students the ability to overview the place and the role of engineers in the selected field, the demand for cooperation with other professions and the team work.

3. Course content/structure:

It is formulated individually in accordance with the elaboration of the concrete Doctoral dissertation, its complexity and structure. Students read scientific literature, Doctoral dissertations by other students dealing with similar theme; they perform analyses in order to find solutions for a concrete task defined by the task of the Doctoral dissertation.

4. Teaching methods:

The supervisor of the Doctoral dissertation sets the dissertation task and delivers it to the student. The student has the obligation to elaborate the dissertation within the set theme defined by the Doctoral dissertation task, utilizing the literature proposed by the supervisor. During the elaboration of the Doctoral dissertation, the supervisor can provide additional instructions to the student direct them to certain literature and additionally direct them towards the elaboration of a quality Doctoral dissertation. During the study research work, the student has tutorials with the supervisor, and if needed, with other lecturers dealing with the problems in the field of the set dissertation task. Within the set theme, the student can also perform certain measuring, research, calculations, surveys and other researches, statistic data processing, if it is predicted by the task of the Doctoral dissertation.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Term paper	Yes	50.00	Oral part of the exam	Yes	50.00

Literature

Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa liste Kobsona		sve
2,	grupa autora	časopisi i doktorske disertacije iz date problematike		sve

Table 5.2 Course specification

Course:		Doctoral Thesis - Realization and Defence of Thesis
Course id:	DZR03	
Number of ECTS:	20	
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	20

Precondition courses: None

1. Educational goal:

Acquiring knowledge about structure and form of writing the dissertation report after analysis, and other activities carried out within the assigned theme of Doctoral dissertation. By writing the Doctoral dissertation, students gain experience in writing papers within which it is necessary to describe the problem, implement methods and procedures and obtained results, as well as to give new scientific contribution to the science development and to the application of the scientific research in practice. In addition, the objective of writing and defense of the Doctoral dissertation is to develop student skills for independent paper preparation in a suitable form for the purpose of public presentation, as well as to respond to comments and questions related to the given topic.

2. Educational outcomes (acquired knowledge):

Training students for a systematic approach in solving the given problems, carrying out analyses, applying knowledge and accepting knowledge from other areas in order to find creative solutions for a given problem. Through independent studying and solving tasks in a given topic, they acquire the knowledge about the complexity of the problems in the field of their profession. Through elaboration of Doctoral dissertation, students gain certain experiences that can be applied in practice when solving problems in the field of their profession. The student acquires necessary experience on how to present the results of independent or team work in practice by preparing the results for public defense, by public defense, and by answering questions and complaints of the Commission.

3. Course content/structure:

It is individually formed in accordance with the needs and the field covered by a given Doctoral dissertation. In agreement with a mentor, a student makes the Doctoral dissertation in a written form in accordance with the rules provided by the Faculty of Technical Sciences. The student prepares and defends the written Doctoral dissertation in public, in agreement with the mentor and in accordance with the prescribed rules and procedures.

4. Teaching methods:

During the elaboration of the Doctoral dissertation, the student consults with his/her mentor, and if necessary with other teachers dealing within a sphere of the Doctoral dissertation. The student writes the Dcotoral dissertation, and submits the bound copies to the Commission upon the approval of the Commission for assessment and defense. The Defense of the Doctoral dissertation is performed in public, and after the presentation, the student is obliged to orally answer the questions and comments.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Writing the PhD thesis	Yes	50.00	PhD thesis defence	Yes	50.00

Standard 06. Programme Quality, Contemporaneity and International Compliance

The study programme is consistent with the modern scientific trends and state of the profession in the world, and is comparable with similar programs at foreign universities.
The study programme as conceptualized is thorough and comprehensive, providing students with the latest scientific and professional knowledge in this area and following new achievements in science.
The study programme of Industrial Engineering / Egineering Management is comparable and complies with several doctorial academic studies both throughout the world and in Europe.
1. Northwestern University, Evanston, IL, USA
http://www.iems.northwestern.edu/images/pdf/MajorMinor.pdf
2. Helsinki University of Technology, Helsinki, Finland
http://www.tuta.hut.fi/studies/postgraduates/pstgrGUIDE_dr1995.pdf
3. Koç University, Istanbul, Turkey
http://www.iems.northwestern.edu/images/PDF/CoreTopics.pdf
4. Groupe des Ecoles des Mines, Paris, Sain-Etienne & Nantes, France
http://www.gemtech.fr/66919641/1/fiche___pagelibre/#4

http://kontakt.tu-hamburg.de/en/gen/fsp.html
https://engineering.purdue.edu/IE/Academics/PhD
Both formally and structurally, the study programme is consistent with the approved subject-specific standards of accreditation and complies with European standards in terms of enrollment, length of study, conditions of transition to the next year, graduation and type of study.

Standard 07. Student Enrollment

Faculty of Technical Sciences announces an admission of candidates to the program of doctoral studies Industrial Engineering / Engineering Management in accordance with social needs, their free resources and approved number of students in the accreditation process. The number of students who will be enrolled and funding of their studies (budget or self-financing) is defined each year by a Scientific Council of faculty.

For admission can apply Candidates who have completed the corresponding Masters or graduate studies and whose previous studies evaluated a total of at least 300 ECTS, which is defined in the Regulations on student enrollment in courses.

Candidates who, in the opinion of the Commission, have completed an appropriate program of study are eligible to enroll in doctoral studies. Commission for the registration shall decide whether candidates are eligible to take entrance examination enrollment. If Quality Commission decision on taking the classification exam, the candidates take this the exam which addresses to testing knowledge of the program of study. If the number of candidates is less than the number of accredited students and the Commission finds that the candidates have completed an appropriate program of study, the Commission may decide that it is not necessary to organize the classification exam.
The final ranking of candidates for admission is based on success in previous studies, the duration of the study and achieved success on the entrance exam, as defined in Regulation on student enrollment in courses.
The Commission, in accordance with Regulation on student enrollment in degree programs, has the right to approve the registration of candidates who have not completed the corresponding Masters or postgraduate studies which are worth a minimum of 300 ECTS, and only in the event that vacancies remain after the registration of all candidates who meet the requirements Competition set (corresponding previous studies, passed the classification exam). Candidates with the professional judgment of the Commission, have not completed the relevant study program of undergraduate studies may be granted admission if they pass the entrance exam.
Members of the Council of doctoral studies are at the same time members of the Commission for the registration of doctoral studies in accordance with Regulation on student enrollment in degree programs.

Standard 08. Student Evaluation and Progress

The final grade for each of the courses of this programme is formed by continuous monitoring of the students` work and the results during the school year and the final exam.
The student masters the programme by taking exams, earning thereby a certain number of ECTS credits, in accordance with the study programme. Each individual course in this programme carries a certain number of ECTS credits earned by the student when successfully passing the exam.
The number of ECTS credits is identified based on the student`s workload in mastering a particular course and by applying a uniform methodology of the Faculty of Technical Sciences for all study programs. The success of students in mastering a particular course is continuously monitored during the class and is expressed in credits. The maximum number of credits a student can earn on the course is 100.
The student earns credits on the course by working during the classes, and by satisfying pre-exam requirements. The minimum and maximum number of credits a student can achieve by satisfying pre-exam requirements is 30 and 70, respectively.
Each course from the curriculum has a clear and published way of earning credits. The way of earning credits during the classes includes a number of credits that students earn from each individual type of activity in the classroom or by satisfying pre-exam requirements.
The total success of the student on the course is expressed by grades from 5 (failed) to 10 (excellent). The student`s grade is based on the total number of credits earned by satisfying the pre-exam requirements and on the quality of acquired knowledge and skills.
Studying the degree program is realized as follows:
At the enrollment, the Head of the study programme (study group) appoints each student a mentor from among professors who will lead them until a mentor is choosen.
At the end of the semester, the mentor submits a report to the Head of the study (group) on student`s work during the research and his results.
Requirements for enrolling the second year of the study (third semester) is defined by Regulation.
The right to take the qualifying exam for the preparation and defense of the doctoral dissertation (research work on theoretical bases of doctoral dissertation) is gained by the student who has certified the second year of study and passed all the exams foreseen by the study programme.
Students who do not meet the requirement for taking the exam from the theoretical basis of the doctoral dissertation have the possibility to continue their studies at specialist academic studies with the exams being recognized.
Research work on the theoretical bases of the doctoral dissertation is a qualifying exam for the doctoral dissertation. Theoretical bases are taken as an exam (written and / or oral) by fields (questions) from at least three courses of the study program. The list of fields (questions) from which the qualifying exam is taken is submitted to the candidate by the Head of the doctoral study program within 14 days upon the request. The qualifying exam is taken before a committee of at least three members, appointed by the Manager of doctoral studies upon the proposal submitted by the Committee for quality of the study programme. Upon the request of students, the theoretical bases of doctoral dissertation can be taken not earlier than 30 days and not later than 12 months from taking the final exam.
Examinations for doctoral studies can be taken up to three times.
The final part of doctoral studies is the preparation and defense of the doctoral thesis.
Exams for doctoral studies can be taken up to three times.
The final part of doctoral studies is the creation and defense of a thesis.

Standard 09. Teaching Staff

For realization of the study program of Industrial Engineering / Engineering Management the teaching staff is provided with the necessary professional and academic qualifications, as evidenced by the list of papers and data on participation in national and international research projects. The competence of lecturers is based on scientific papers published in international journals, with at least one paper being published or accepted for publication in a SCI list journal, scientific papers published in national journals, papers published in proceedings of international conferences, monographs, patents, textbooks, new products or significantly improved existing products.

The mentor has at least five scientific papers published or accepted for publication in scientific journals in a given area. The mentor can not lead simultaneously more than five doctoral students. The selection of a mentor is defined so that mentor must have at least 5 papers published in SCI journals.

The number of professors meet the needs of the curriculum and depend on the number of courses and number of classes on these courses. The total number of lecturers is sufficient to cover the total number of classes at the study programme(lectures, consultations, practical work, ...). The minimum number of full-time lecturers participating in a given academic program is at least five.
Scientific and professional qualifications of the teaching staff match the educational and scientific field and the level of their responsibilities. Each lecturer has at least 10 references from specific scientific or technical fields of teaching in the program of study.
All data on lecturers and associates (CV, elections for the position, references) are available to the 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.	HDOK4S	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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Atanacković M. Teodor
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	18.03.1975
Scientific or art field:	Deformable Body Mechanics

Academic carieer	Year	Institution	Field
Academic title election:	1988	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
PhD thesis	1974	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Magister thesis	1973	Faculty of Technical Sciences - Novi Sad	Deformable Body Mechanics
Bachelor's thesis	1969	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.	A237	Material Resistance	(A00) Architecture, Undergraduate Academic Studies
2.	H202	Strength of materials	(H00) Mechatronics, Undergraduate Academic Studies
3.	A002S	Scientific Research Method	(A00) Architecture, Specialised Academic Studies (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
4.	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
5.	DZ001	Scientific Research Method	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
6.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
7.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	T. M. Atanackovic, Stability Theory of Elastic Rods. World Scientific, 1997.
2.	T. M. Atanackovic, A. Guran, Theory of Elasticity for Scientists and Engineers. Birkhauser, 2000..
3.	B. D Vujanovic, T. M. Atanackovic, An Introduction to Modern Variational Techniques in Mechanics and Engineering. Birkhauser, Boston 2004..
4.	T.M. Atanackovic, Stability of a Compressible Elastic Rod with Imperfections. Acta Mechanica. 76, 203?222 (1989)..
5.	T.M. Atanackovic and M. Achenbach, Moment-curvature relations for a pseudoplastic beam. Continuum Mech. Thermodyn. 1, 73-80 (1989)...
6.	T.M. Atanackovic and I. Müller, A New form of ther Coherency Energy in Pseudoelasticity. Meccanica, 30, 467-474 (1995).
7.	T. M. Atanackovic, Optimal shape of column with own weight: bi and single modal optimization. Meccanica 41, 173-196 (2006).
8.	T. M. Atanackovic, S. Pilipovic, D. Zorica, Diffusion wave equation with two fractional derivatives of different order. J. Phys. A: Math. Theor. 40, 5319-5333 (2007).
9.	T. M. Atanackovic, Optimal shape of an elastic rod in flexural – torsional buckling. Z. Angew. Math. Mech.(ZAMM) 87, No. 6, 399 – 405 (2007).
10.	T. M. Atanackovic and B. N. Novakovic, Optimal Shape of an elastic column on elastic foundation. European J. Mechanics, A/Solids, 25, 154-165 (2006).

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

Quotation total :	220			
Total of SCI(SSCI) list papers :	120			
Current projects :	Domestic :	1	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Avdalović A. Veselin
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2012		Production Systems, Organization and Management
PhD thesis	2000	Faculty of Economics - Subotica	Economic Science
Magister thesis	1997	Faculty of Economics - Subotica	Economic Science
Bachelor's thesis	1992	Faculty of Economics - Subotica	Economics

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

	ID	Course name	Study programme name, study type
1.	URZP47	Fire Risk Management in Industry	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP60	Risk Analysis Methods	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	IM1024	Risk Management and insurance	(I20) Engineering Management, Undergraduate Academic Studies
4.	S0I321	Insurance for traffic and transport	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
5.	URZP80	Basic principals of insurance	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	OIR001	Basic insurance	(I20) Engineering Management, Specialised Professional Studies
7.	OIR002	Insurance risks	(I20) Engineering Management, Specialised Professional Studies
8.	IM2719	Loss Assessment	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
9.	IM2720	Reinsurance	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
10.	IMDS75	Selected Topics in Risk Management and Insurance Management	(I22) Engineering Management, Specialised Academic Studies
11.	IMDR75	Selected Topics in Risk Management and Insurance Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Menadžment rizikom u osiguranju, Beograd, Želind, 2000. ISBN 86-7307-104-6
2. Osiguranje i upravljanje rizikom, Subotica, Birografika, 2003. UDK: COBISS.SR-ID 185914119
3. Menadžment - marketing osiguranja, Subotica, Merkur, 2004. UDK: COBISS.SR-ID 196573959
4. Osiguranje i upravljanje rizikom, Novi Sad, DDOR, 2005. UDK: COBISS.SR-ID 120990476
5. Osiguranje i teorija rizika, Beogradska bankarska akademija i CAM Novi Sad, 2006. ISBN 86-7852-007-8
6. Osiguranje, Beograd, Beogradska bankarska akademija, 2007. ISBN 978-86-7852-013-6
7. Principi osiguranja, Novi Sad, Fakultet tehničkih nauka, 2007. ISBN 978-86-7892-058-5
8. Ispitivanje instrumentalnih komponenti u menadžmentu društva za osiguranje i reosiguranje, Univerzitet u Novom Sadu, Ekonomski fakultet Subotica, 1997.
9. Menadžment kontroling društva za osiguranje, Univerzitet u Novom Sadu, Ekonomski fakultet, Subotica, 2000.
10. Veselin Avdalović: Kreativne tehnike u definisanju i rešavanju strategijskih problema organizacije, Strategijski menadžment, 1997, No. 2, str. 64- 69, ISSN 0354-8414.

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

Quotation total :	0

Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	1	International :	1

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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. 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. 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
3. 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
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. Pouzdanost tehničkih sistema, autori prof. dr Gradimir Ivanović, prof. dr Dragutin Stanivuković, prof. dr Ivan Beker; Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Novi Sad, 2010, ISBN 978-86-7892-247-3
6. Beker I.: ZAPTIVANjE I ZAPTIVNI MATERIJALI, FTN -Institut za industrijske sisteme i IIS - Istraživački i tehnološki centar, Novi Sad, 2001
7. 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
8. D. Šević, I. Beker, S. Milisavljević: UPOREDNA ANALIZA ZAHTEVA STANDARDA ISO 14001:2004 I STANDARDA ISO 14001:1996., International Journal Total Quality Management & Excellence, Vol.34, No 3 – 4, 2006.

Representative refferences (minimum 5, not more than 10)

9.	I. Beker, N. Radaković: ISKUSTVA NA IMPLEMENTACIJI ISO 27001 STANDARDA, International Journal Total Quality Management & Excellence, Vol.34, No 3 – 4, 2006.
10.	D. Stanivuković, S. Kecojević, I. Beker: Projektovanje održavanja na modularnom principu, 1 str., Tribologija u industriji, godina XV, broj 2 - juni 1993., Kragujevac, 1993.

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:	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.	HDOK1S	Selected topics in industrial robotics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	HDOK2S	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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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. 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
5. 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
6. 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.
7. Dragan Bošković, Faramak Vakil, Content Delivery Networks for Video on Demand and IPTV Telekomunikacije, Vol 4 December 2009
8. 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

Representative refferences (minimum 5, not more than 10)

9.	Dragan Boskovic, Vakil Faramak, Milenko Tosic, Stanisa Dautovic Pervasive wireless CDN for greening video streaming to mobile devices ,– MiPRO conference, Opatija 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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Budinski-Petković M. Ljuba
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1989
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2009		Physics
PhD thesis	1998	Faculty of Sciences - Novi Sad	Physics
Magister thesis	1996	Faculty of Physics - Beograd	Physics
Bachelor's thesis	1988	Faculty of Sciences - Novi Sad	Physics

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

	ID	Course name	Study programme name, study type
1.	E215	Physics	(E20) Computing and Control Engineering, Undergraduate Academic Studies
2.	H101	Physics	(F10) Engineering Animation, Undergraduate Academic Studies (GI0) Geodesy and Geomatics, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies
3.	IAFI01	Colors and Light	(F10) Engineering Animation, Undergraduate Academic Studies
4.	BMI93	Physics	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
6.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Budinski-Petković Lj., Lončarević I., Petkovic M., Jaksic Z., Vrhovac S.: Percolation in random sequential adsorption of extended objects on a triangular lattice, Physical Review E, 2012, Vol. 85, No 061117, pp. 1-8
2. Šćepanović J., Lončarević I., Budinski-Petković Lj., Jakšić Z., Vrhovac S.: Relaxation properties in a diffusive model of k-mers with constrained movements on a triangular lattice, Physical Review E, 2011, Vol. 84, No 031109, pp. 1-13
3. Budinski-Petković Lj., Lončarević I., Jakšić Z., Vrhovac S., Švrakić N.: Simulation study of anisotropic random sequential adsorption of extended objects on a triangular lattice, Physical Review E, 2011, Vol. 84, No 5, pp. 5160-1

Representative refferences (minimum 5, not more than 10)

4.	Lončarević I., Budinski-Petković Lj., Vrhovac S., Belić A.: Generalized random sequential adsorption of polydisperse mixtures on a one-dimensional lattice, Journal of Statistical Mechanics: Theory and Experiment, 2010, ISSN 1742-5468
5.	Lončarević I., Budinski-Petković Lj., Vrhovac Lj., Belić A.: Adsorption, desorption, and diffusion of k-mers on a one-dimensional lattice, Physical Review E, 2009, Vol. 80, No 2
6.	Budinski-Petković Lj., Vrhovac S., Lončarević I.: Random sequential adsorption of polydisperse mixtures on discrete substrates, Physical Review E, 2008, Vol. 78, No 061603, pp. 1-7
7.	Lončarević I., Budinski-Petković Lj., Vrhovac S.: Simulation study of random sequential adsorption of mixtures on a triangular lattice , The European Physical Journal E, 2007, Vol. 24, pp. 19-26, ISSN 1292-8941
8.	Lončarević I., Budinski-Petković Lj., Vrhovac S.: Reversible random sequential adsorption of mixtures on a triangular lattice, Physical Review E, 2007, Vol. 76, No 031104, pp. 1-9
9.	Arsenović D., Vrhovac S., Jakšić Z., Budinski-Petković Lj., Belić A.: Simulation study of granular compaction dynamics under vertical tapping, Physical Review E, 2006, Vol. 74
10.	Lj. Budinski-Petković and S. B. Vrhovac: Memory effects in vibrated granular systems: Response properties in the generalized random sequential adsorption model, The European Physical Journal E, 2005, Vol. 16, pp. 89-96, ISSN 1292-8941

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

Quotation total :	75			
Total of SCI(SSCI) list papers :	30			
Current projects :	Domestic :	1	International :	1

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Bunčić M. Sonja
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 Law - Novi Sad	Legal Science
Magister thesis	1999	Faculty of Law - Novi Sad	Legal Science
Bachelor's thesis	1984	Faculty of Law - Novi Sad	Legal Science

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

	ID	Course name	Study programme name, study type
1.	GI021	Structure Value Assessment	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	GI405	Law and Legislation in Geodetic Profession	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	IM1009	Business Law	(I20) Engineering Management, Undergraduate Academic Studies
4.	MBA307	European and international business and trade law	(IB0) Engineering Management - MBA, Specialised Professional Studies
5.	MBA521	The European Union-development process	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
6.	MBA523	European law/International law	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
7.	IM2121	Corporate governance	(I20) Engineering Management, Master Academic Studies
8.	IMDS82	Industrial eco-marketing management	(I22) Engineering Management, Specialised Academic Studies
9.	SDGI3D	Selected topics in real estate law	(GI0) Geodesy and Geomatics, Specialised Academic Studies
10.	IMDR82	Industrial eco-marketing management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Pravna priroda akcije
2.	Berzansko pravo
3.	Pravni položaj banke
4.	Buncic S., Filipovic M.:The future of international financial bussiness: Global regulatory framework, African Journal of Business Managment Vol 5 (9) , 4 May 2011, str 3749-3756
5.	Bunčić S:. G-20 od Pitsburga do Toronta put ka novoj finansijskoj regulativi, časopis Srpska politička misao 3/2010, str 271-288
6.	Bunčić S.:Dvadeset godina procesa privatizacije u zemljma na prostoru bivše Jugosslavije modeli i rezultati., Srpska politička misao , 2/2012 str. 201-222
7.	Bunčić S.:Lisabonski ugovor i EMU, Pravni život,Beograd,14/2008,s.127-137
8.	Bunčić S.: Zaštita manjiskih akcionara-da li novi Zakon o privrednim društvima donosi napredak? ,Pravni život 11/2011, str,137-153
9.	Bunčić S.:Pravni pristup određenju opcijskog posla , Pravni život 14/2009, s. 315-327
10.	Bunčić : Određenje pojma manjinski akcionari i njihova klasifikacija, Pravo i privreda,4-6/2011, str151-162

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 :	1

Science, arts and professional qualifications

Name and last name:	Crnojević S. Vladimir
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	10.11.1995
Scientific or art field:	Telecommunications and Signal Processing

Academic carieer	Year	Institution	Field
Academic title election:	2010		Telecommunications and Signal Processing
PhD thesis	2004	Faculty of Technical Sciences - Novi Sad	Telecommunications and Signal Processing
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Telecommunications and Signal Processing
Bachelor's thesis	1995	Faculty of Technical Sciences - Novi Sad	Telecommunications and Signal Processing

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

	ID	Course name	Study programme name, study type
1.	EK412	Shape Recognition	(BM0) Biomedical Engineering, Undergraduate Academic Studies
2.	EK421	Digital Image Processing	(F10) Engineering Animation, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	URZP32	Systems for Detection, Alarm and Warning	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	BM129A	Digital Image Processing	(BM0) Biomedical Engineering, Undergraduate Academic Studies
5.	E137	Basics of Telecommunications	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EK463	Pattern Recognition	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	DE311S	Selected topics in Pattern Recognition	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
8.	DE412S	Digital image processing algorithms	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
9.	DE511S	Wireless sensor networks	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	EK520	Medical Image Processing	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	EK522	Computer Vision (Digital Image Processing 2)	(F20) Engineering Animation, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
12.	H1420	Fundamentals in Mechanical Vision	(H00) Mechatronics, Master Academic Studies
13.	IMDS54	Computer Vision in Industrial Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
14.	ZP508	Design and Maintenance of the Fire Detection Systems	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
15.	DE311	Selected Chapters in Pattern Recognition	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
16.	DE412	Digital Image Processing Algorithms	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	DE511	Wireless Sensor Networks	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
18.	IMDR54	Computer Vision in Industrial Engineering and Management	(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.	Dejan Vukobratovic, Cedomir Stefanovic, Vladimir Crnojevic, Francesco Chiti, Romano Fantacci: "Rateless Packet Approach for Data Gathering in Wireless Sensor Networks", IEEE Journal on Selected Areas in Communications, Vol. 28, No. 7, pp. 1169-1179, September 2010.
2.	Petrovic, N.I.; Crnojevic, V.: Universal Impulse Noise Filter Based on Genetic Programming, IEEE Transactions on Image Processing, 2008, Vol. 17, No. 7, str. 1109- 1120, ISSN 1057-7149
3.	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
4.	Cedomir Stefanovic, Dejan Vukobratovic, Francesco Chiti, Lorenzo Niccolai, Vladimir Crnojevic, Romano Fantacci: "Urban Infrastructure-to-Vehicle Traffic Data Dissemination Using UEP Rateless Codes", IEEE Journal on Selected Areas in Communications, Vol. 29, No. 1, pp. 94-102, January 2011.
5.	Vladimir Crnojević, Nemanja Petrović, „Impulse Noise Filtering Using Robust Pixel-Wise S-estimate of Variance“, EURASIP Journal on Advances in Signal Processing, vol. 2010, Article ID 830702, 10 pages, 2010,
6.	V. Crnojević, V. Šenk, Ž. Trpovski, “Advanced Impulse Detection Based on Pixel-Wise MAD”, IEEE Signal Processing Letters, vol.11, No. 7, 2004, str. 589-593. Crnojević, V. Šenk, Ž. Trpovski, “Advanced Impulse Detection Based on Pixel-Wise MAD”, IEEE Signal Processing Letters, vol.11, No. 7, 2004, str. 589-593.
7.	B. Antić, V. Crnojević, „Joint Domain-Range Modeling of Dynamic Scenes with Adaptive Kernel Bandwidth“, pp.777-788, LNCS 4678, Springer-Verlag, Berlin Heidelberg 2007.
8.	N. Petrović, V. Crnojević, „Evolutionary Tree-Structured Filter for Impulse Noise Removal“, pp.103-113, LNCS 4179, Springer-Verlag, Berlin Heidelberg 2006.
9.	N. Petrović, V. Crnojević, „Impulse Noise Detection Based on Robust Statistics and Genetic Programming“, pp.643-649, LNCS 3708, Springer-Verlag, Berlin Heidelberg 2005.
10.	V. Crnojević,„Impulse Noise Filter With Adaptive Mad-Based Threshold“, International Conference on Image Processing, Genoa, Italy, 11-14. September, 2005.

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

Quotation total :	135			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	3	International :	10

Science, arts and professional qualifications

Name and last name:	Čuš -. Franci
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Proizvodni sistemi, organizacija i menadžment (menađment inovacija i

Academic carieer	Year	Institution	Field
Academic title election:	2009		Proizvodni sistemi, organizacija i menadžment (menađment inovacija i promena)
PhD thesis	1988	Faculty of Mechanical Engineering - Maribor	Processes for Material Removal Processing
Magister thesis	1985	Faculty of Mechanical Engineering - Maribor	Processes for Material Removal Processing
Bachelor's thesis	1978	Faculty of Mechanical Engineering - Maribor	Mechanical Engineering

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

	ID	Course name	Study programme name, study type
1.	Z421	Operacioni menadžment(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	II1053	Production Systems	(F00) Graphic Engineering and Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
3.	IM1114	Energy Flows in the Enterprise	(I20) Engineering Management, Undergraduate Academic Studies
4.	ZR401A	Science on Work	(Z01) Safety at Work, Undergraduate Academic Studies
5.	HDOK4S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
6.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
7.	ZR502	Occupational Risk Assessment	(Z01) Safety at Work, Master Academic Studies
8.	IM2102	Manufacturing strategy (KAIZEN, LEAN, KANBAN, EFPS)	(I10) Industrial Engineering, Master Academic Studies (M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
9.	IM2124	Production and Service Systems	(H00) Mechatronics, Master Academic Studies (M50) Energy Management, Master Academic Studies
10.	IM2207	Technology management	(I20) Engineering Management, Master Academic Studies
11.	IM2215	Value engineering	(I20) Engineering Management, Master Academic Studies
12.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
13.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies
14.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
15.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies
16.	ZRD28A	Selected topics in the science of occupational safety	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. ČUŠ, Franc, BALIČ, Jože. Optimization of cutting process by GA approach. Robot. comput.-integr. manuf.. [Print ed.], 2003, vol. 19, iss. 1/2, str. 113-121.
2. ČUŠ, Franc, MURŠEC, Bogomir. Databases for technological information systems. J. mater. process. technol.. [Print ed.], Dec. 2004, vol. 157/158, str. 75-81.
3. ČUŠ, Franc, ŽUPERL, Uroš, MILFELNER, Matjaž. Dynamic neural network approach for tool cutting force modelling of end milling operations. Int. j. gen. syst., October 2006, vol. 35, no 5, str. 603-618. [COBISS.SI-ID 10604310]
4. ČUŠ, Franc, MILFELNER, Matjaž, BALIČ, Jože. An intelligent system for monitoring and optimization of ball-end milling process. J. mater. process. technol.. [Print ed.], June 2006, vol. 175, iss. 1/3, str. 90-97.
5. ČUŠ, Franc, ŽUPERL, Uroš, KIKER, Edvard, MILFELNER, Matjaž. Adaptive controller design for feedrate maximization of machining process. J. Achiev. Mater. Manuf. Eng., Jul.-Aug. 2006, vol. 17, iss. 1/2, str. 237-240.

Representative refferences (minimum 5, not more than 10)

6.	ČUŠ, Franc, ŽUPERL, Uroš. Approach to optimization of cutting conditions by using artificial neural networks. J. mater. process. technol.. [Print ed.], 2006, vol. 173, iss. 3, str. 281-290.
7.	ČUŠ, Franc, BALIČ, Jože, ŽUPERL, Uroš. Hybrid ANFIS-ants system based optimisation of turning parameters. J. Achiev. Mater. Manuf. Eng., Sep. 2009, vol. 36, iss. 1, str. 79-86.
8.	ŠOSTAR, Adolf, ČUŠ, Franc. Vpliv toplotne obdelave na obdelovalnost materialov pri vrtanju. Stroj. vestn., 1983, let. 29, št. 10-12, str. 215-218. [COBISS.SI-ID 3324444]
9.	ŠOSTAR, Adolf, ČUŠ, Franc. Načrtovanje preizkusov in izračun eksponentov za optimiranje odrezovanja. Stroj. vestn., 1984, let. 30, št. 9-10, str. 197-203. [COBISS.SI-ID 3324700]
10.	ČUŠ, Franc. Odvisnosti in zakonitosti postopka čelnega frezanja. Stroj. vestn., 1986, 32, št. 4/6, str. 60-63. [COBISS.SI-ID 94468]

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

Quotation total :	21			
Total of SCI(SSCI) list papers :	28			
Current projects :	Domestic :	0	International :	1

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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. Zelenović D., Ćosić I., Šormaz D., Šišarica Z.: An approach to the design of more effective production systems , International Journal of Production Research, 1987, Vol. 25, No 1, pp. 3-15, ISSN 0020-7543
5. 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
6. 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
7. 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
8. 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
9. 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
10. 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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Ćosić I. Đorđe
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.2007
Scientific or art field:	Production Systems, Organization and Management

Academic 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	2007	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	2001	Faculty of Technical Sciences - Novi Sad	Mechanical Engineering

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

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

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

	ID	Course name	Study programme name, study type
22.	ZRD233	Selected topics in the field of insurance from the standpoint of safety and health at work	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Pečujlija M., Ćosić Đ.: An Orthodox Christian Reflection: Genetic Enhancement Must not be the Creation Primacy Problem between Man and God, The American Journal of Bioethics, 2010, Vol. 10, No 4, pp. 78-80, ISSN 1526-5161
2.	Pečujlija M., Ćosić Đ., Bojanić R., Radišić S., Ivanović G., Delić Z.: Employees' Attitudes Towards Company Privatization as Possible Predictors of a High Performance Working System, African Journal of Business Management, 2011, Vol. 5, No 3, pp. 1663-1672, ISSN 1993-8233
3.	Ćosić Đ., Popov S., Sakulski D., Pavlović A.: Geo-Information Technology for Disaster Risk Assessment, Acta Geotechnica Slovenica, 2011, Vol. 8, No 2011/1, pp. 64-74, ISSN 1854-0171
4.	Pečujlija M., Azemović N., Azemović R., Ćosić Đ.: Leadership and productivity in transition: employees view in Serbia, Journal for East European Management Studies, 2011, Vol. 16, No 3, pp. 251-263, ISSN 0949-6181
5.	Njegomir V., Ćosić Đ.: Ekonomske implikacije klimatskih promena na sektor osiguranja i reosiguranja, Teme, 2012, Vol. 36, No 2, pp. 679-701, ISSN 0353-7919
6.	Sakulski D., Ćosić Đ., Popov S.: Implementation of Innovative Technologies for Disaster Risk Reduction, 1. International Conference Natural Hazards, Novi Sad: University of Novi Sad, Faculty of Science, 5 Maj, 2012, pp. 15-16, ISBN 978-86-7031-276-0
7.	Sakulski D., Ćosić Đ., Popov S., Pavlović A., Laban M.: Disaster risk management and fire safety, 1. International conference Protection, Ecology, Security, Bar: Fakultet za pomorstvo Kotor, 24-26 Maj, 2012, pp. 75-81
8.	Simić J., Popov S., Ćosić Đ., Sakulski D., Novaković T., Popović Lj., Pavlović A., Luhović A.: The aspect of bringing data in spatial relationship during the process of teaching at the subject “Disaster risk management” , UDK: 37.01:004 (082)
9.	Pavlović A., Ćosić Đ., Popov S., Kolaković S.: Indikatori praćenja hazardnih pojava poplave i suše u cilju poboljšanja planiranja melioracija, Tematski zbornik radova "Melioracije 07 - stanje i perspektive-", 2012, No 12, pp. 136-146, ISSN 978-86-7520-107-6, UDK: 626.8(082)
10.	Popović Lj., Popov S., Ćosić Đ., Sakulski D.: Impact of Visualization on Data Availability, UDK: CIP je dostupan u Univerzitetskoj biblioteci Rijeke pod brojem 121219001

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	2	International :	1

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:	Dobromirov P. Dušan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2006
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2010		Production Systems, Organization and Management
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	2001	Faculty of Technical Sciences - Novi Sad	Management and Business

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

	ID	Course name	Study programme name, study type
1.	IM1406	Investments Risk Management	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1413	Corporate restructuring	(I20) Engineering Management, Undergraduate Academic Studies
3.	M3499	Energy markets	(M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	I904/S	The Theory and Practice of Corporate Finance	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
5.	IM005	International financial transactions	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
6.	IM006	Money and banking practical aspects	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
7.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
8.	IMDS47	Behavioral Corporate Finance	(I22) Engineering Management, Specialised Academic Studies
9.	IMDS87	Financial engineering of public sector	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
10.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	IM2407	International business and finance	(I20) Engineering Management, Master Academic Studies
12.	IM2420	Algoritmic trading	(I20) Engineering Management, Master Academic Studies
13.	IM2423	Energy markets	(M50) Energy Management, Master Academic Studies
14.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
15.	IMDR47	Behavioral Corporate Finance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	IMDR87	Financial engineering of public sector	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Dušan Dobromirov "Strategija uvođenja i razvoja tržišta valutnih finansijskih derivata"
2.	Sando S., Radišić M., Dobromirov D.: Emerging markets - Galapagos for behavioral financial research (in print), Actual Problems of Economics, 2012, ISSN 1993-6788
3.	Marić B., Dobromirov D., Radišić M.: Researching the dependence between the dynamic indicators of investment profitability, African Journal of Business Management, 2011, Vol. 5, No 13, pp. 5076-5082, ISSN 1993-8233
4.	Bojović Ž., Šećerov E., Dobromirov D., Šenk V.: Maximizing the Profit of Telecom Telcos by a Novel Traffic Scheduling Policy , Electronics and electrical engineering, 2011, Vol. 7, No 113, pp. 67-73, ISSN 1392-1215
5.	Radišić M., Marić B., Dobromirov D.: SMEs and entrepreneurs investments' profitability effects within the transition period in the Republic of Serbia, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2654-2659, ISSN 1993-8233
6.	Dobromirov D., Radišić M., Kupusinac A.: Emerging markets arbitrages' perception: Risk versus growth potential, African Journal of Business Management, 2011, Vol. 5, No 3, pp. 713-721, ISSN 1993-8233
7.	Bojović ž., Šenk V., Dobromirov D., Bojović P.: Intervendor working of VOIP networks , Journal of the Institute of Telecommunications Professionals, 2011, Vol. 5, No 3, pp. 26-32, ISSN 1755-9278
8.	Borocki J., Dobromirov D., Radišić M., Milinković M.: Key success factors of companies' innovation activities, 2. Preduzetnička konferencija "Zapošljavanje kroz prizmu preduzetništva", Podgorica: Ekonomski fakultet, Univerzitet Crne Gore, 18 Maj, 2012
9.	Bašić B., Marić B., Dobromirov D., Radišić M.: MASS CUSTOMIZATION APPROACH IN PUBLIC SECTOR - AN EXAMPLE FROM TAX ADMINISTRATION, 5. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Faculty of Technical Sciences, 19-21 Septembar, 2012, pp. 13-21, ISBN 978-86-7892-432-3
10.	Ferenčak M., Stanišić I., Radišić M., Dobromirov D.: Level of frictional unemployment in the Republic of Serbia, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Departman za industrijsko inženjerstvo i menadžment, Novi Sad, 14-16 Septembar, 2011, pp. 537-541, ISBN 978-86-7892-341-8

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

Quotation total :	1			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	1	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Doroslovački D. Rade
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1978
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1989	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1984	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1976	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	E101	Discrete Mathematics	(ES0) Power Software Engineering, Undergraduate Academic Studies
3.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
4.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
5.	IM1706	Actuerial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
6.	SE0009	Discrete Mathematics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
7.	0M503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0M509	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0M511	Geometry	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0ML503	Combinatorics and Graph Theory	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML509	Applaid Abstract Algebra	(OM1) Mathematics in Engineering, Master Academic Studies
12.	0ML511	Geometry	(OM1) Mathematics in Engineering, Master Academic Studies
13.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
14.	OM519	Actuerial Mathematics	(OM1) Mathematics in Engineering, Master Academic Studies
15.	OML519	Actuerial Mathematics	(OM1) Mathematics in Engineering, Master Academic Studies

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

	ID	Course name	Study programme name, study type
16.	D0M08	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M17	Combinatorics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M20	Graph Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M34	Actuarial Mathematics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	DOM31	Combinatorial Matrix Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	R. Doroslovački, R. Tošić and I. Stojmenović: Generating and counting triangular system, BIT: 27(1987) 18-24, Kobenhavn, R 54
2.	R. Doroslovački , R . Tošić i J. Gutman: Topological properties of benzenoid systems, XXXVIII, the boundary code, Match in mathematical chemistry (19) (219-228) Max- Plank-Institut fur Stranhlenchemije, Mulheim (1986)
3.	Rade Doroslovački: Binary Sequences without 01...10, Matematički vesnik, Mathematical Society of Serbia, 46 (1994), 93-98.
4.	Rade Doroslovački: On binary n-words with forbidden 4-subwords, (1997/01) Novi Sad Juornal of Mathematics.
5.	R. Doroslovački, J. Pantović, G.Vojvodić: Note on Itersection of Maximal Clones, (1998/02) Novi Sad, Journal of Mathematics.
6.	R. Doroslovački, J. Pantović, G. Vojvodić: Classification of Maps by their Membership in Maximal Clones that contain Minimum and Complement, Matematički vesnik,, Mathematical Society of Serbia, 51, (1999), 21-28
7.	Rade Doroslovački, Jovanka Pantović and Gradimir Vojvodić: One Interval in the Lattice of Partial Hyperclones, Czechoslovaka Mathematical Journal, 55 (130),2005, 719-724, (R52)
8.	O. Bodroža-Pantić, R. Doroslovački, K. Doroslovački, AN ELEMENTARY PROOF OF A THEOREM CONCERNING THE DIVISION OF A REGION INTO TWO," in Rocky Mountain Journal of Mathematics, Vol. 37, No.5, 2007, R 52
9.	O. Bodroža-Pantić, R. Doroslovački, The Gutman formulas for algebraic structure count, Journal of Mathematical Chemistrz Vol.35,No.2, Februar 2004, R 51.
10.	Ratko Tošić, Gradimir Vojvodić, Dragan Mašulović, Rade Doroslovački, Jovanka Rosić: Two examples of relative completeness, Multiple Valued Logic, An International Journal (Journal of Multiple-Valued Logic and Soft Computing), (1996), Vol. 2, pp. 67-78.

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

Quotation total :	60			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	0	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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.	HDOK4S	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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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:	Filipović V. Jovan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Organizational Sciences - Beograd
	01.10.2000
Scientific or art field:	Quality, Effectiveness and Logistics

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Organizational Sciences - Beograd	Quality, Effectiveness and Logistics
Education Specialist Thesis	2011	University of Ljubljana - Ljubljana	Engineering Management
PhD thesis	1994		Mechanical Engineering
Magister thesis	1990	Faculty of Technical Sciences - Novi Sad	Machine Tools, Flexible Technological Systems and Automatization Processes Design
Bachelor's thesis	1986	Faculty of Mechanical Engineering - Beograd	Mechanical Engineering

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

	ID	Course name	Study programme name, study type
1.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
2.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Filipović, J., “Management of the Serbian Diaspora Virtual University as a Complex Organization”-Lambert Academic Publishing, Germany, 2012
2.	Filipović, J., Devjak, S. and Putnik, G. „Knowledge Based Economy: The Role of Expert Diaspora”, Panoeconomicus, Vol. 59, pp. 369-386, 2012, SSCI, DOI:10.2298/PAN1203369F, (IF2011=0.396)
3.	Milunovic, S. and Filipovic, J. “Methodology for Quality Management of Projects in Manufacturing Industries”, Total Quality Management and Business Excellence, DOI: 10.1080/14783363.2012.728851, (IF 2011=0,589)
4.	G. Pejovic, J. Filipovic and Lj. Tasic, “How to Remove Barriers to Medicines Trade in Emerging Economies: the Role of Medicines Regulatory Authority in Serbia”, Accreditation and Quality Assurance 2011 16 (4-5):253-261, doi: 10.1007/s00769-010-0749-7, IF2011= 1,036
5.	Popović, F. J., Filipović, V. J. and Božanić, V. N., „Paradigm Shift Needed – Municipal Solid Waste Management in Belgrade, Serbia“ Chemical Industry, SCIe, doi:10.2298/HEMIND120620087P, IF 2012=0,205
6.	J. Filipovic, R. Viskanta and F.P.Incropera, 1994., "An Analysis of Subcooled Turbulent Film Boiling on a Moving Isothermal Surface", Int.J. Heat Mass Transfer, Vol. 37, No. 18., pp. 2661-2673., vrhunski medjunarodni
7.	J. Filipovic, R.Viskanta and F.P.Incropera, 1993, "Similarity Solution for Laminar Film Boiling Over a Moving Isothermal Surface", Int.J. Heat Mass Transfer, Vol.36, No.12, pp. 2957-2963
8.	J. Filipovic, R.Viskanta and F.P.Incropera, 1994, "Cooling of a Moving Steel Strip by an Array of Round Jets", Steel Research, Vol.65, pp. 541-547
9.	J. Filipovic, R.Viskanta, F.P.Incropera and T.A.Veslocki, 1991, "Thermal Behavior of a Moving Steel Strip by an Array of Planar Water Jets", Steel Research, Vol.63, pp. 438-446
10.	J. Filipovic, R.Viskanta and F.P.Incropera, 1991, "A Parametric Study of the Accelerated Cooling of Steel Strip", Steel Research, Vol.63, pp.496-499

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

Quotation total :	63			
Total of SCI(SSCI) list papers :	9			
Current projects :	Domestic :	3	International :	3

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Folić J. Radomir
Academic title:	Emeritus Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.03.1980
Scientific or art field:	Constructions in Civil Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Constructions in Civil Engineering
PhD thesis	1983	Faculty of Civil Engineering - Beograd	Theory of Construction
Magister thesis	1974	Faculty of Civil Engineering - Zagreb	Theory of Construction
Bachelor's thesis	1963	Faculty of Civil Engineering - Beograd	Constructions in Civil Engineering

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

	ID	Course name	Study programme name, study type
1.	A002S	Scientific Research Method	(A00) Architecture, Specialised Academic Studies (E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (GI0) Geodesy and Geomatics, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
2.	GG505	Concrete Bridges	(G00) Civil Engineering, Master Academic Studies
3.	GS015	Scientific Research Method	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
4.	A120S	Proces, principi i tehnike naučnog istraživanja-odabrana poglavlja	(A00) Architecture, Specialised Academic Studies
5.	GG531	Odabrana poglavlja zidanih konstrukcija	(G00) Civil Engineering, Master Academic Studies
6.	DGI002	Selected Chapters in Engineering Geodesy	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
7.	DZ001	Scientific Research Method	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (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
8.	A120	Proces, principi i tehnike naučnog istraživanja - odabrana poglavlja(uneti naziv na engleskom)	(A00) Architecture, Doctoral Academic Studies
9.	GD027	Process, principles and techniques of scientific research - selected chapters	(G00) Civil Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)

1.	Folić, R. (1983): Spojevi i veze montažnih betonskih zgrada. U knjizi Montažni građevinski objekti, (Ed. B. Žeželj, A.Flašar) Ekonomika, Beograd, str. 117-167. (9 autorskih tabaka)
2.	Folić, R. (1983): Statika konstrukcija - Zbirka rešenih zadataka. FTN IIG, Novi Sad, str. 1-486. II izdanje (1987). III izdanje Građevinska knjiga, Beograd (1991).
3.	Folić, R., Tatomirović, M. (1999): Spregnute betonske konstrukcije-I deo. Građevinski kalendar, 1999. str. 289-386; II deo, Građevinski kalendar, 2001, str. 217-290
4.	Folić, R. (1991): Classification of damage and its causes as applied to precast concrete buildings. Material and Structures. RILEM - Journal, Chapman & Hall, Vol. 24, pp. 276-285.
5.	Folić, R., Ivanov, D. (1991): In situ behaviour of concrete structures deterioration of concrete, influence of earthquake and a fire in Diagnosis of Concrete Structures - State of the Art Report, Ed. by T. Javor, Expertcentrum, Bratislava, pp. 135-146.
6.	Folić, R. (1985): Analiza aktivne širine ploče i graničnih stanja kod elemenata od armiranog i prethodno napregnutog betona. FTN IIG Posebno izdanje 7, Novi Sad, str. 1-193.
7.	Folić, R., Radonjanin, V. (1998): Experimental research on polymer modified concrete, Materials Journal, ACI, VOL. 95 No. 4, July/August 1998, pp.463-470.
8.	Folić, R. (1991): A classification of damage to concrete buildings in earthquakes, illustrated by examples. Material and Structures, RILEM - Journal, Chapman & Hall, Vol. 24, pp. 286-292.
9.	Javor, T., Naus, D.J., Folić, R., Zakić, B.: (1992): Diagnosis of Concrete Structures. RILEM - Journal Materials and Structures, Chapman & Hall, Vol. 25, pp. 437-440.
10.	Folić, R., Radonjanin, V. (1998): Experimental research on polymer modified concrete, Materials Journal, ACI, VOL. 95 No. 4, July/August 1998, pp.463-470.

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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Gradojević J. Nikola
Academic title:	Guest Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Industrial Engineering and Engineering Management

Academic carieer	Year	Institution	Field
Academic title election:	2007		Industrial Engineering and Engineering Management
PhD thesis	2003	Sauder School of Bussiness,University of British Columbia - Vancouver	Economics
Magister thesis	1998	Central European University, Budapest - Budimpešta	Economics
Bachelor's thesis	1996	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.	EP005	E-bankarstvo	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
2.	IMDS35	Selected Chapters in Investment Management	(I22) Engineering Management, Specialised Academic Studies
3.	IMDS48	Advanced Risk Management	(I22) Engineering Management, Specialised Academic Studies
4.	MBA606	Internet marketing	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
5.	IM2407	International business and finance	(I20) Engineering Management, Master Academic Studies
6.	IM2413	Enterprise portfolio management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
7.	IMDR35	Selected Chapters in Investment Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
8.	IMDR48	Advanced Risk Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Nikola Gradojevic, Ramazan Gençay. "Fuzzy logic, trading uncertainty and technical trading", Journal of Banking & Finance, Volume 37, Issue 2, February 2013, Pages 578–586.
2.	Lento, C., Gradojevic, N. (2013). “The Effectiveness of Option Pricing Models During Financial Crises.” In: Wehn, C.S., Hoppe, C., Gregoriou, G.N. (Eds)., Rethinking Valuation and Pricing Models: Lessons Learned from the Crisis and Future Challenges. Academic Press, Elsevier Inc., pp. 1–11.
3.	Dragan Kukolj, Nikola Gradojevic and Camillo Lento. “Improving Non-parametric Option Pricing during the Financial Crisis”, Computational Intelligence for Financial Engineering & Economics (CIFEr), 2012 IEEE Conference, pp. 93-99.
4.	Nikola Gradojevic, “Frequency Domain Analysis of Foreign Exchange Order Flows”, Economics Letters 115, 73-76 (2012).
5.	Nikola Gradojevic and Ramo Gençay, “Financial Applications of Non-extensive Entropy”, IEEE Signal Processing Magazine 28 (5), 116-141 (2011).
6.	Nikola Gradojevic, Dragan Kukolj, "Parametric option pricing: A divide-and-conquer approach", Physica D: Nonlinear Phenomena, Volume 240, Issue 19, 15 September 2011, pp. 1528–1535.
7.	Ramo Gençay and Nikola Gradojevic, “Errors-in-Variables Estimation with No Instruments”, Journal of Statistical Computation and Simulation 81 (11), 1545-1564 (2011).
8.	Nikola Gradojevic, Ramo Gençay, “Crash of "87 - Was it Expected? Aggregate Market Fears and Long Range Dependence”, Journal of Empirical Finance 17 (2), 270-282 (2010).
9.	Ramo Gençay, Nikola Gradojevic, Faruk Selcuk and Brandon Whitcher, “Asymmetry of Information Flow between Volatilities Across Time Scales”, Quantitative Finance 10 (8), 895-915 (2010).
10.	Nikola Gradojevic, V. Djakovic and G. Andjelic, "Random Walk Theory and Exchange Rate Dynamics in Transition Economies" , Panoeconomicus 57 (3), 303-320 (2010).

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

Quotation total :	42
Total of SCI(SSCI) list papers :	14

Current projects :	Domestic :	0	International :	3

Science, arts and professional qualifications

Name and last name:	Grbić P. Tatjana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.12.1995
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2008	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1999	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1993	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	GI303B	Probability and Mathematical Statistics	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	Z104	Mathematics 1	(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
5.	Z203	Statistical Methods	(Z01) Safety at Work, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
6.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
7.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	IA001	Algebra	(F10) Engineering Animation, Undergraduate Academic Studies
9.	IA002	Mathematical Analysis	(F10) Engineering Animation, Undergraduate Academic Studies
10.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
11.	S01361	Business decision making	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
12.	0M505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
13.	0ML505	Stochastic Processes	(OM1) Mathematics in 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
14.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
15.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
16.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
17.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies
18.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	D0M50	Fuzzy Measures and Integrals	(OM1) Mathematics in Engineering, Doctoral Academic Studies
23.	D0M51	Large Deviations Principles	(OM1) Mathematics in Engineering, Doctoral Academic Studies
24.	D0M52	Random Sets	(OM1) Mathematics in Engineering, Doctoral Academic Studies
25.	D0M53	Statistical Processing of Fuzzy Data	(OM1) Mathematics in Engineering, Doctoral Academic Studies
26.	DOM30	Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
27.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Ralević, N.M., Nedović, Lj., Grbić, T., :"The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral", Fuzzy sets and systems, 2005, No.155, 89-101

Representative refferences (minimum 5, not more than 10)

2.	Nedović, Lj., Ralević, N. M., Grbić, T.,: " Large deviation principle with generated pseudo measures", Fuzzy sets and systems, 2005, No. 105, 65-76
3.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Pseud-Riemann-Stieltjes integral ", Information Sciences 179, 2009, 2923-2933
4.	M. Štrboja, T. Grbić, I. Štajner-Papuga, G. Grujić, S. Medić, Jensen and Chebyshev inequalities for pseudo-integrals of set-valued functions, FSS, doi:10.101016/j.fss.2012.07.011
5.	Grbić, T., Pap, E., : "Generalization Of Portamnteau theorem with respect to the pseudo-weak convergence of random closed sets", Theory of Probability and its Applications, 2009, 97-115
6.	T. Grbić, I. Štajner-Papuga, M. Štrboja, an approach to pseudo-integration of set-valued functions, Information Sciences 181 (2011), 2278-2292
7.	T. Grbić, S. Medić, I. Štajner-Papuga, T. Došenović, Inequalities of Jensen and Chebyshev type for interval-valued measures based on pseudo-integrals. In: Intelligent Systems: Models and Applications, E. Pap, Ed., Springer-Verlag, pp 23-41, DOI:10.1007/978-3-642-33959-2_2
8.	Štajner-Papuga, I., Grbić, T., Dankova, M., "Riemann-Stieltjes type integral based on generated pseudo-operations", NS J. Mathe., Vol. 36, No. 2, 111-124
9.	Nedović, Lj., Grbić, T., "The pseudo-probability", Journal of Electrical Engineering, 2002, Vol. 53, No. 12/s, 27-30
10.	Mihailović, B., Nedović, T., Grbić, T., "The induced Sugeno integral-based operator w.r.t. bi-fuzzy measures", Journal of Electrical engineering, Vol. 54, No. 12/s, 76-79

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

Quotation total :	17			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Grubić-Nešić S. Leposava
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2007
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	2003	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2002	Faculty of Entrepreneurial Management - Novi Sad	Engineering Management
Bachelor's thesis	1981	Faculty of Philosophy - Beograd	Psychological Science

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.	IM1025	Human resources management	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1906	Work motivation	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
4.	IM1916	Industrial psychology	(I20) Engineering Management, Undergraduate Academic Studies
5.	S0I322	Human Resources Management	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
6.	I076/S	Leadership and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
7.	I935/S	Motivating Employees	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional 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.	IMDS51	Organizatonal behaviour	(I22) Engineering Management, Specialised Academic Studies
10.	MBA308	Business communication	(IB0) Engineering Management - MBA, Specialised Professional Studies
11.	MBA309	Human Resource Management in Knowledge Economy	(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	MBA513	leadership development and teamworking	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA515	decision macing and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA522	Lobbying, presentation and negotiation skills	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
15.	MBA524	interculture business communications	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	RPR013	Management of Human Resources	(RPR) Regional Development Planning and Management, Master Academic Studies
17.	IM2907	Leadership	(I20) Engineering Management, Master Academic Studies
18.	IM2913	Teamwork	(I20) Engineering Management, Master Academic Studies
19.	IMDS77	Selected Chapters from Human Resource Management	(I22) Engineering Management, Specialised Academic Studies
20.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
21.	IMDR51	Organisational Behavior	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
22.	IMDR77	Selected Chapters from Human Resource Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Razvoj ljudskih resursa, AB Print,Novi Sad, 2005.
2. Znati biti lider, AB print, Novi Sad, 2008.
3. Cabrilo, S.; Grubic-Nesic, L.(2012). „The role of creativity, innovation and invention in knowledge management“, in Buckley, S. and Jakovljevic, M (eds.) Knowledge Management Innovations for Interdisciplinary Education: Organisational Applications, Hershey, USA: IGI Global
4. Mitrovic,S.,Milisavljevic,S.,Cosic,I.,Lekovic,B.,Grubic-Nesic,L.,Ivanisevic,A., Changes in leadership styles in a transitional economy: A Serbian case study, African Journal of Business Management, Vol. 5(9), pp. 3563-3569, 2011. ISSN 1993-8233
5. Ratkovic-Njegovan, B.,Vukadinovic, M.,Grubic-Nesic, L.,Characteristics and Types of Authority: the Attitudes of Young People. A Case Study, Sociologija, 2011, Vol. 43(6), pp.657-673.
6. Kirin, S., Grubic-Nesic, L., Cosic, I. (2010). Increasing a Large Petrochemical Company Efficiency by Improvement of Decision Making Process, Hemijska Industrija, ISSN 0367-598X, doi: 102298/hemind 100710048k, vol.64 broj 5, str.465-472
7. Kolaric, B., Grubic-Nesic, L., Radojcic, S., (2011). The challenges of the customer services for modern market requests: a case study of Telecom Serbia, African journal of business management, ISSN 1993-8233, vol 5(1), pp. 156-167
8. Kirin S., Sedmak A., Grubic-Nesic L., Cosic I., (2012). Project risk management in complex petrochemical system, Hemijska industrija, 2012, pp. 52-52, ISSN 0354-7531, UDK: doi:10.2298/HEMIND110709052K
9. Grubic-Nesic, L., Vranjes, S., Ratkovic-Njegovan, B., Mitrovic S.: Atitudes of the employees about the organizational restructuring: a sample of organizations in Serbia, Metalurgia international, 2012, Vol. 17, No 12, ISSN 1582-2214
10. Konja, V., Grubic-Nesic, L., Mitrovic, S., (2012). Leader-member exchange: a short case study from a Serbian company, Metalurgia international, 2012, Vol. 17, No. 11, pp. 146-153, ISSN 1582-2214

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

Quotation total :	6			
Total of SCI(SSCI) list papers :	8			
Current projects :	Domestic :	2	International :	2

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

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

Representative 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:	Herakovič 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.	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)
2.	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]
3.	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
4.	HERAKOVIČ, Niko. Flow-force analysis in a hydraulic sliding-spool valve. Strojarstvo, 2007, letn. 49, št. 3, str. 117-126. [COBISS.SI-ID 10449691]

Representative refferences (minimum 5, not more than 10)

5.	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
6.	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]
7.	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]
8.	POPOVIČ, Milan, KLUN, Boris, HERAKOVIČ, Niko, NOE, Dragica. Fractures of the skull base in the fossa media - a biomechanical experimental study. Period. biol., 1994, vol. 96, no.1, str. 41-44. [COBISS.SI-ID 2621979]
9.	HERAKOVIČ, Niko, HLADNIK, Marko. Apparatus for retaining a package of laminations of an electromagnetic core in a device for the production thereof : WO mednarodni PCT/SI2009/000060. Ženeva: WIPO, 2009. 34 f., ilustr. [COBISS.SI-ID 11303963]
10.	NOE, Dragica, PERME, Tomaž, HERAKOVIČ, Niko. Orodja za načrtovanje in analizo delovanja proizvodnih sistemov LASIMCO - simulacija v montaži, SIMPLE++ - simulacija poslovnih in proizvodnih sistemov, DSHplus – simulacija delovanja hidravličnih sistemov. V: KUZMAN, Karl (ur.). Dnevi slovenskega proizvodnega inženirstva, Celje, 3.-5. junij 1998. Zbornik posvetovanja. Ljubljana: Fakulteta za strojništvo, 1998, str. 111-116. ISBN 961-90401-3-9. [COBISS-ID 2658331]

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

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

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

Representative 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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

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

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	2010	Purdue University - West Lafayette	Mechatronics, Robotics and Automation and Intelligent Systems
Magister thesis	2006	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Intelligent Systems
Bachelor's thesis	2001	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management

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

	ID	Course name	Study programme name, study type
1.	H105	Fundamentals in Computer science	(H00) Mechatronics, Undergraduate Academic Studies
2.	H109	Fundamentals in Programming	(H00) Mechatronics, Undergraduate Academic Studies
3.	H1409	Intelligent Systems	(H00) Mechatronics, Undergraduate Academic Studies
4.	H1410	Programming and application of programmable logic controllers	(H00) Mechatronics, Undergraduate Academic Studies
5.	BMI110	Sensors and actuators in medicine	(BM0) Biomedical Engineering, Undergraduate Academic Studies
6.	II1009	Automatic identification systems	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	II1010	Control of technical systems	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	II1015	Programmable Logic Controllers (PLC)	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	II1029	Computer integrated manufacturing	(I10) Industrial Engineering, Undergraduate Academic Studies
10.	II1045	Systems for measurement, surveillance and control	(I10) Industrial Engineering, Undergraduate Academic Studies
11.	II1048	Artificial intelligence in engineering	(I10) Industrial Engineering, Undergraduate Academic Studies
12.	IM1001	Fundamentals of industrial engineering	(I20) Engineering Management, Undergraduate Academic Studies
13.	IM1022	Fundamentals of technical systems control	(I20) Engineering Management, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
14.	IM1035	Identification technologies in enterprises	(I20) Engineering Management, Undergraduate Academic Studies
15.	IM1117	Computer integrated manufacturing (CIM)	(I20) Engineering Management, Undergraduate Academic Studies
16.	IM1719	Implementation of information systems in insurance	(I20) Engineering Management, Undergraduate Academic Studies
17.	HDOK2S	Selected topics in non-industrial robotics	(I12) Industrial Engineering, Specialised Academic Studies
18.	HDOS12	Research in the area of automatic identification technology	(I12) Industrial Engineering, Specialised Academic Studies
19.	HDOS13	Motion control and application of MEMS	(I12) Industrial Engineering, Specialised Academic Studies
20.	HDOS14	Nonindustrial automation	(I12) Industrial Engineering, Specialised Academic Studies
21.	NIT08	Fundamentals of Computer Science and Informatics	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
22.	H799	Fieldbuses and protocols	(H00) Mechatronics, Master Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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:	Katalinić -. Branko
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:	2008	Faculty of Technical Sciences - Novi Sad	Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	1983	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Magister thesis	1979	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Bachelor's thesis	1976	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering

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

	ID	Course name	Study programme name, study type
1.	IM1213	Globalization and new business models	(I20) Engineering Management, Undergraduate Academic Studies
2.	HDOK4S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
3.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
4.	IIDR5S	Advanced Engineering Technologies	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (M50) Energy Management, Master Academic Studies
5.	IIDS9	Effective Production and Service Systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
6.	IM2103	New technologies in engineering and management	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
7.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
8.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies
9.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
10.	IMDR31	Effective Production and Service Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
11.	IMDR57	Strategic Planning and Designing Procedures and Systems at the End of Product Lifecycle	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	B. Katalinic, J. Balic, I. Pahole: “Scheduling of Complex Flexible Manufacturing Systems-Methodology Design”; STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING Volume: 44 Issue: 5-6 Pages: 168-174, Published: MAY-JUN 1998
2.	B. Katalinic: "Bionic Assembly Systems: Selforganizing Complex Flexible Assembly System"; Acta Mechanica Slovaca, Vol. 6 (2002), No. 2/2002; pp. 15 - 20.
3.	B. Ljoljic, B. Katalinic, K. Stuja, V. Kordic: "Simulation of Complex Flexible Assembly System"; Acta Mechanica Slovaca, Vol.6 (2002), 2/2002; pp. 117 - 122
4.	B. Ljoljic, B. Katalinic, K. Stuja: "Optimisation of Flexible Assembly System Using Simulation"; International Journal of Simulation Modelling, Vol. 1 (2002), No 1/2002; pp. 16 - 22.
5.	A. Lazinica, B. Katalinic: “Bionic assembly system: new concept of self-organising multirobot system”; International Journal of Automation and Control, Volume 1, Number 1 / 2007; Pages: 16 – 27.
6.	B. Katalinic, V. Kordic: "Integration of Subordination and Self Organisation in Working Scenarios of Bionic Assembly System"; in: "DAAAM International Scientific Book 2003", B. Katalinic (Hrg.); herausgegeben von: DAAAM International Vienna; DAAAM International Vienna, Wien, 2003, (eingeladen), ISBN: 3-901-509-36-4, pp. 319 - 330.

Representative refferences (minimum 5, not more than 10)

7.	B. Katalinic, A. Lazinica: "Autonomous mobile robots in assembly applications"; in: "DAAAM International Scientific Book 2005", DAAAM Internaitonal Vienna; DAAAM International Vienna, Vienna, 2005, (eingeladen), ISBN: 3-901509-43-7, pp. 323 - 332.
8.	V. Malisa, B. Katalinic: "Next Generation of Production Systems: Original Concept of Selforganizing Production Systems"; Vortrag: Eight International Conference on Manufacturing & Management, Gold Coast, Queensland, Australia (eingeladen); 08.12.2004 - 10.12.2004; in: "Eight International Conference on Manufacturing Management Proceedings", (2004), ISBN: 0-9578296-1-2; pp. 1 - 14.
9.	A. Lazinica, B. Katalinic: "Design of Transport Mobile Robot Behavior in Self-Organising Assembly System"; IEEE/ASME International Conference on Advanced Intelligent Mechatronics - AIM 2005, Monterey, California, USA (eingeladen); 24.07.2005 - 28.07.2005; in: "Proceedings of 2005 IEEE/ASME International Conference on Advanced Intelligent Mechatronics - AIM 2005", (2005), ISBN: 0-7803-9046-6; S. 100 - 105.
10.	B. Katalinic, V. Kordic: "Bionic Assembly System: Concept, Structure and Function"; 5th International Conference on Integrated Design and Manufacturing in Mechanical Engineering, Bath, United Kingdom (eingeladen); 05.04.2004 - 07.04.2004; in: "Proceedings of 5th International Conference on Integrated Design and Manufacturing in Mechanical Engineering", (2004).

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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Katić A. Vladimir
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1978
Scientific or art field:	Power Electronics, Machines and Facilities

Academic carieer	Year	Institution	Field
Academic title election:	2002	Faculty of Technical Sciences - Novi Sad	Power Electronics, Machines and Facilities
PhD thesis	1991	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.	EE305	Power Electronics 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EE308	Power Electronics 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	Z107	Electrical Engineering, Environment and Protection	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	EE0406	Electric Power Quality	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	EE431	Renewable Sources and Small Power Plants	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	EZ300	Clean Electrical Energy Sources	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	EZ400	Clean Energy Sources Design	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
8.	DE209S	Energy Converters in Renewable Energy Sources	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
9.	DE413S	Integration of Distributed Energy Resources	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
10.	DE505S	Power Quality in Distribution Networks	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	DE506S	Renewable Electrical Energy Sources	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
12.	DE509S	Effects of Power Converters on Network and Environment	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
13.	EE406	Electric Power Quality	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	EE509	Market and Deregulation in Electric Power Industry	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	S0I51Ž	Electrical Substation and Electric Traction	(S00) Traffic and Transport Engineering, Master Academic Studies
16.	EE544	Renewable energy sources	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
17.	EE564	Distributed Energy Resources	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
18.	ZCM02	Clean technologies for electrical vehicles	(ZC0) Clean Energy Technologies, Master Academic Studies
19.	ZCM08	Renewable and Distributed Electrical Energy Sources	(ZC0) Clean Energy Technologies, Master Academic Studies
20.	DE108	FACTS Devices and Electric Power Quality	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
21.	DE113	Application of Power Electronics in Power Systems	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
22.	DE209	Energy Converters in Renewable Power Sources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

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

	ID	Course name	Study programme name, study type
23.	DE413	Integration of Distributed Energy Resources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
24.	DE505	Power Quality in Distribution Networks	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
25.	DE506	Renewable Electrical Energy Sources	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
26.	DE509	Effects of Power Converters on Network and Environment	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
27.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
28.	MSID04	Present State in the Field	(M40) Technical Mechanics, Doctoral Academic Studies
29.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Vladimir Katić: "Kvalitet električne energije – viši harmonici", Univerzitet u Novom Sadu - Fakultet tehničkih nauka, Edicija Tehničke nauke - Monografije, Br. 6, Novi Sad, 2002., ISBN 86-80249-57-2.
2. Vladimir Katić: "Energetska elektronika - Zbirka rešenih zadataka", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija Univerzitetski udžbenik, Broj 66, Novi Sad, 1998, tiraž 500 primeraka, strana 430, Pomoćni udžbenik, ISBN 86-499-0017-8.
3. Vladimir Katić, Darko Marčetić, Dušan Graovac: "Energetska elektronika – Praktikum laboratorijskih vežbi", Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija Univerzitetski udžbenik, Broj 124, Novi Sad, 2000, tiraž 300 primeraka, strana 85, Pomoćni udžbenik, ISBN 86-499-0081-X.
4. Vladimir Katić, Vlado Porobić, Darko Marčetić: “Primena mikroprocesora u energetici – Praktikum laboratorijskih vežbi“, Univerzitet u Novom Sadu-Fakultet tehničkih nauka, Edicija: Tehničke nauke - Udžbenici, Broj 149, Novi Sad, Dec. 2006, tiraž 300 primeraka, strana 122, Pomoćni udžbenik, ISBN 86-7892-013-0.
5. Vladimir Katić: „Upravljanje energetskim pretvaračima“, Fakultet tehničkih nauka – WUS, Novi Sad, 2006, tiraž 20 primeraka, str.175, Skripta.
6. Dušan Graovac, Vladimir Katić, Alfred Rufer: "Power Quality Problems Compensation with Universal Power Quality Conditioning System", IEEE Transaction on Power Delivery, USA, ISSN 0885-8977, Vol.22, No.2, April 2007, pp.968-976.
7. Vladimir Katić, Jovan Knežević, Dušan Graovac: "Application-Oriented Comparison of the Methods for AC/DC Converter Harmonics Analysis", IEEE Transaction on Industrial Electronics, USA, ISSN 0278-0046, Vol.50, No.6, December 2003, pp.1100-1108.
8. Vladimir Katić, Dušan Graovac: “A Method for PWM Rectifier Line Side Filter Optimization in Transient and Steady States”, IEEE Transaction on Power Electronics, USA, ISSN 0885-8993, Vol.17, No.3, May 2002, pp.342-352.
9. Dušan Graovac, Vladimir Katić: “On-Line Control Of Current Source Type Active Rectifier Using Transfer Function Approach”, IEEE Transaction on Industrial Electronics, USA, ISSN 0278-0046, Vol.48, No.3, June 2001, pp.526-535.
10. Vladimir Katić: ”Modern Power Electronics Technologies for Wind Power Plants”, Invited Paper, Electronics/Elektronika, Banja Luka (BIH-R.Srpska), Vol.10, No.2, Dec.2006, YU ISSN 1450-5843, pp.3-9.

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

Quotation total :	122
Total of SCI(SSCI) list papers :	19

Current projects :	Domestic :	5	International :	1

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Katić R. Ivana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	31.10.2007
Scientific or art field:	Engineering Management - Human Resource Management

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Engineering Management - Human Resource Management
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2008	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2004	Faculty of Philosophy - Novi Sad	Psychological Science

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

	ID	Course name	Study programme name, study type
1.	II205	Menadžment ljudskih resursa	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
2.	II934	Psichology of Work	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	IM1914	Career Management	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1916	Industrial psychology	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1921	Managerial competence	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1923	Interpersonal intelligence in business	(I20) Engineering Management, Undergraduate Academic Studies
7.	S0I322	Human Resources Management	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	HR005	PR Plan Development and Application	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
9.	I076/S	Leadership and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	IMDS98	Modern concepts, methods and tools of human resource management	(I22) Engineering Management, Specialised Academic Studies
11.	MBA308	Business communication	(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	MBA513	leadership development and teamworking	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA515	decision macing and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA522	Lobbying, presentation and negotiation skills	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
15.	MBA605	Online Public Relations	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	IM2916	Professional portfolio managers	(I20) Engineering Management, Master Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
17.	IM2921	Talent Management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
18.	IMDS77	Selected Chapters from Human Resource Management	(I22) Engineering Management, Specialised Academic Studies
19.	IMDR98	Modern concepts, methods and tools of human resource management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
20.	IMDR77	Selected Chapters from Human Resource Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Katić (Drezgić), I.: Preduzetna inteligencija i menadžment projekata, magistarska teza, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2007.
2.	Katić (Drezgić) I., Borocki J., Zekić S., Penezić N.: Entrepreneurship significance in restructuring process, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 902-907, ISSN 1840-1503
3.	Katić (Drezgić),I. Significance of psychological factors in mass customization and personalization process, 5th International Conference on Mass Customization and Personalization in Central Europe (MCP-CE 2012), September 19-21, 2012, Novi Sad, Serbia, Proceedings, University of Novi Sad, Faculty of Technical Sciences
4.	Katić (Drezgić),I.,Pavlović,J., Lalić, D., The role of Human resources in organisational change, XIV International Scientific Conference on Industrial Systems , October 2-3, 2008, Novi Sad, Serbia, Proceedings, University of Novi Sad, Faculty of Technical Sciences, ISBN 978-86-7892-135-3, pp. 543-546.
5.	Pavlović,J., Katić(Drezgić),I., The HR Scorecard, XIV International Scientific Conference on Industrial Systems, October 2-3, 2008, Novi Sad, Serbia, Proceedings, University of Novi Sad, Faculty of Technical Sciences, ISBN 978-86-7892-135-3, pp. 571-574.
6.	Lalić, D., Katić (Drezgić), I., Vujanac.,J. The influence of the information communicational technologies on the relationships among the employees and on their success in job, XIV International Scientific Conference on Industrial Systems , October 2-3, 2008, Novi Sad, Serbia, Proceedings, University of Novi Sad, Faculty of Technical Sciences, ISBN 978-86-7892-135-3, pp. 537-542.
7.	Katić (Drezgić), I., Pavlović,J., Lalić,D., Distribucija kao faza logističkog toka sa aspekta marketing miksa, XIII Internacionalni naučni skup, Strategijski menadžment i sistemi podrške odlučivanju u strategijskom menadžmentu, Subotica, 2008, CD ROM, ISBN 86-7233-193-1,pp.124-129.
8.	Penezić, N., Katić (Drezgić), I., Lalić, B. Sindrom izgaranja kod MBA studenata, XIV Skup Trendovi razvoja: Efikasnost i kvalitet bolonjskih studija, Trend, Kopaonik, 2008, CD ROM, ISBN 978-86-7892-096-7, pp.178-181.
9.	Katić (Drezgić), I., Došen, L.,Jovanović-Boka,D. Da li je moguća psihoterapija odnosa u organizaciji?,Drugi Kongres psihoterapeuta Srbije: Odnosi u psihoterapiji, Beograd, 2012.
10.	Katić (Drezgić), I.,Došen, L.,Jovanović-Boka,D. Napredovanje u karijeri-pretnja ili izazov, Prvi Kongres psihoterapeuta Srbije: Mentalitet i psihoterapija, Beograd, 2011.

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

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

Science, arts and professional qualifications

Name and last name:	Kostić Z. Marko
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.10.1999
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2004	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2001	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1999	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E135B	Mathematical Analysis 2	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	EOS07	Mathematics 2	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
5.	F101	Mathematics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
6.	GI107	Mathematical Analysis 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	M106	Mathematics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
8.	M4202	Applied Mathematical Analysis	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
9.	ISIT06	Matematika 2	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
10.	0M501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
13.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
16.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Kostić, Marko, Distribution cosine functions. Taiwanese J. Math. 10 (2006), no. 3, 739--775.
2.	Kostić Marko,On analytic integrated semigroups. Novi Sad J. Math. 35 (2005), no. 1, 127--135.
3.	Kostić Marko,Convoluted C-cosine functions and convoluted C-semigroups. Bull. Cl. Sci. Math. Nat. Sci. Math. No. 28 (2003), 75--92.
4.	Kostić Marko, On a class of quasi-distribution semigroups, Novi Sad J. Math 36 (2), 137-152
5.	M. Kostić, P. J. Miana, Relations between distribution cosine functions and almost-distribution cosine functions, Taiwanese Journal of Mathematics 11 (2007), 531--543.
6.	M. Kostić, S. Pilipović, Global convoluted semigroups, accepted in Math. Nachr.
7.	M. Kostić, S. Pilipović: Convoluted C-cosine functions and semigroups. Relations with ultradistribution and hyperfunction sines, accepted in J. Math. Anal. Appl.
8.	M. Kostić: Complex powers of operators, accepted in Publications De"l Institute Mathematique
9.	M. Kostić: C-Distribution semigroups, Studia Math. 185 (2008), 201--217.
10.	M. Kostić: Convoluted operator families and abstract Cauchy problems, accepted in Kragujevac Journal of Mathematics

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

Quotation total :	32			
Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	1	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Kovačević M. Ilija
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1972
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	1990	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1979	Faculty of Mathematics - Beograd	Mathematical Sciences
Magister thesis	1975	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1971	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
2.	EE204	Selected Chapters in Mathematics	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E102	Mathematical Analysis 1	(ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	E102A	Mathematical Analysis 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	IM1423	Financial Mathematics	(I20) Engineering Management, Undergraduate Academic Studies
6.	0M501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
7.	0ML501	Functional Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
8.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
9.	I004/S	Statistical Quantitative Methods	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	GS012	Selected Chapters in Mathematics	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
11.	MPK001	Statistical and Numerical Methods	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
12.	SDOM30	Probability, Statistics and Theory of Engineering Experiment	(Z00) Environmental Engineering, Specialised Academic Studies
13.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
15.	DOM30	Probability, Statistics and Theory of Engineering Experiment	(M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
16.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (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.	I.Kovačević, Some properties of Mn subsets and almost closed mappings, Indian J.pure appl. Math., 27(9), 1996., 875-881.
2.	I.Kovačević, On almost closed mapping, paracompactness and partial equivalence relatuions, Indian Journal of Pure and Applied mathematics,25(9), 1994., 949-954.
3.	I.Kovačević, On alfa-Hausdorff subsets, almost closed mappings and almost upper semicontinuous decomposition, Indian Jurnal of Pure and Applied mathematics 20 (4) 1989., 334-340.
4.	Kiurski J., Oros I., Ralević N., Kovačević I., Adamović (Majkić) S., Krstić J., Čomić L.: Cluster and principal component analysis in the assessment of fountain solution quality, Carpathian Journal of Earth and Environmental Sciences, 2013, Vol. 8, No 1, pp. 19-23, ISSN 1842-4090
5.	N. Adžić, I. Kovačević, V. Marić, V. Ungar, Matematička analiza 2, FTN (Edicija tehničke nauke-udžbenici), Novi Sad, 1996., 1-299.
6.	I. Kovačević, N. Ralević, Funkcionalna analiza,FTN (Edicija tehničke nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno izdanje)2004., 1-203.
7.	I. Kovačević, N. Ralević, B.Carić,V.Marić,M.Novković,S.Medić,Matematička analiza 1- uvodni pojmovi i granični procesi ,(Ponovljeno i dopunjeno izdanje), FTN (Edicija tehničke nauke-udžbenici) Novi Sad, 2012,1-155.
8.	I.Kovačević, V.Marić, M.Novković, B.Carić, N.Ralević,S.Medić, Matematička analiza 1 - diferencijalni i integralni račun, obične diferencijalne jednačine (Ponovljeno i dopunjeno izdanje),FTN (Edicija tehničke nauke-udžbenici), Novi Sad,2012., 1-280.
9.	I. Kovačević, Algebra, Naučna knjiga, Beograd, 1990., 1-116.
10.	M.Novković,B.Carić,I.Kovačević, Zbirka rešenih zadataka iz verovatnoće i statistike, FTN (Edicija tehničke nauke-udžbenici), Novi Sad, (Ponovljeno i dopunjeno izdanje) 2012., 1-169.

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

Quotation total :	28			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	3	International :	2

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Kozak V. Dražen
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		Mechatronics, Robotics and Automation and Integral Systems
PhD thesis	2001	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Magister thesis	1995	Faculty of Mechanical Engineering and Naval Architecture - Zagreb	Mechanical Engineering
Bachelor's thesis	1991	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.	H1410	Programming and application of programmable logic controllers	(H00) Mechatronics, Undergraduate Academic Studies
5.	H1501A	Systems for Survailance and Visualisation of Process	(H00) Mechatronics, Undergraduate Academic Studies
6.	H308	Industrial Robotics	(H00) Mechatronics, Undergraduate Academic Studies
7.	BMI106	Rehabilitation devices and systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	H301	System Modeling and Symulation	(H00) Mechatronics, Master Academic Studies
9.	HDOS12	Research in the area of automatic identification technology	(I12) Industrial Engineering, Specialised Academic Studies
10.	HDOS13	Motion control and application of MEMS	(I12) Industrial Engineering, Specialised Academic Studies
11.	HDOS14	Nonindustrial automation	(I12) Industrial Engineering, Specialised Academic Studies
12.	NIT06	Advanced Technologies for Manufacturing Support	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
13.	NIT08	Fundamentals of Computer Science and Informatics	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
14.	H828	Advanced robotics	(H00) Mechatronics, Master Academic Studies
15.	IIDS6	Selected chapters in automation	(I12) Industrial Engineering, Specialised Academic Studies
16.	IM2516	Artificial Intelligence in Engineering	(I20) Engineering Management, Master Academic Studies
17.	IM2721	Systems for detection, alarming and warning	(I20) Engineering Management, Master Academic Studies
18.	HDOK12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
19.	HDOK13	Motion control and the application of MEMS	(H00) Mechatronics, Doctoral Academic Studies
20.	HDOK14	Non-industrial Automation	(H00) Mechatronics, Doctoral Academic Studies
21.	HDOK-3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
22.	HDOKL3	Selected Chapters in Automation Systems Integration	(H00) Mechatronics, Doctoral Academic Studies
23.	HDOL12	Research in the area of automatic identification technologies	(H00) Mechatronics, Doctoral Academic Studies
24.	HDOL13	Motion controla and application of MEMS	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
25.	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. Kozak, D., Gubeljak, N., Konjatić, P., Sertić, J. Yield load solutions of heterogeneous welded joints (2009) International Journal of Pressure Vessels and Piping, 86 (12), pp. 807-812.

Representative refferences (minimum 5, not more than 10)

2.	Hloch, S., Valíček, J., Kozak, D., Tozan, H., Chattopadhyaya, S., Adamčík, P. Analysis of acoustic emission emerging during hydroabrasive cutting and options for indirect quality control (2012) International Journal of Advanced Manufacturing Technology, pp. 1-14.
3.	Valíček, J., Hloch, S., Kozak, D. Surface geometric parameters proposal for the advanced control of abrasive waterjet technology (2009) International Journal of Advanced Manufacturing Technology, 41 (3-4), pp. 323-328.
4.	Kladaric, I., Kozak, D., Krumes, D. The effect of aging parameters on properties of maraging steel (2009) Materials and Manufacturing Processes, 24 (7-8), pp. 747-749.
5.	Valíček, J., Čep, R., Rokosz, K., Łukianowicz, C., Kozak, D., Zeleåák, M., Koštial, P., Hloch, S., Harničárová, M., Hlaváček, P., Haluzíková, B. New way to take control of a structural grain size in the formation of nanomaterials by extrusion (2012) Materialwissenschaft und Werkstofftechnik, 43 (5), pp. 405-411.
6.	Brillová, K., Ohlídal, M., Valíček, J., Kozak, D., Hloch, S., Zeleňák, M., Harničárová, M., Hlaváček, P. Spectral analysis of metallic surfaces topography generated by abrasive waterjet (2012) Tehnicki Vjesnik, 19 (1), pp. 1-9.
7.	Neslušan, M., Mrkvica, I., Čep, R., Kozak, D., Konderla, R. Deformations after heat treatment and their influence on cutting process (2011) Tehnicki Vjesnik, 18 (4), pp. 601-608.
8.	Younise, B., Rakin, M., Medjo, B., Gubeljak, N., Kozak, D., Sedmak, A. Numerical analysis of constraint effect on ductile tearing in strength mismatched welded CCT specimens using micromechanical approach (2011) Tehnicki Vjesnik, 18 (3), pp. 333-340.
9.	Vojvodić, D., Kozak, D., Sertić, J., Mehulić, K., Celebic, A., Komar, D. Influence of depth alignment of E-glass fiber reinforcements on dental base polymer flexural strength (2011) Materialpruefung/Materials Testing, 53 (9), pp. 528-535.
10.	Kozak, D., Ivandić, Z., Kontajić, P. Determination of the critical pressure for a hot-water pipe with a corrosion defect (2010) Materiali in Tehnologije, 44 (6), pp. 385-390.

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

Quotation total :	39			
Total of SCI(SSCI) list papers :	36			
Current projects :	Domestic :	1	International :	1

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Kozmidis-Luburić F. Uranija
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1975
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2000	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	1988	Faculty of Sciences - Novi Sad	Physical Science
Magister thesis	1986	Faculty of Physics - Beograd	Physical Science
Bachelor's thesis	1974	Faculty of Sciences - Novi Sad	Physical Science

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

	ID	Course name	Study programme name, study type
1.	E103	Physics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	EOS06	Physics	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
3.	S014	Physics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	A401	Architectural Physics	(A00) Architecture, Undergraduate Academic Studies
5.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
6.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. U.F.Kozmidis-Luburić and B.S.Tošić, "NON-LINEAR OPTICAL EFFECTS AND THE DIELECTRIC PROPERTIES OF CRYSTALS", Physica B 112, 331(1982)
2. D.Mirjanić, U.F.Kozmidis-Luburić, M.M.Marinković and B.S.Tosić, "COMBINED EFFECT OF EXCITION-EXCITION AND EXCITION-PHONON INTERACTION ON CRYSTALS DIELECTIC PROPERTIES", Can. J. Phys. 60, 1838(1982)
3. U.F. Kozmidis-Luburić and B.S. Tošić, "KINEMATICAL INTERACTION OF OPTICAL EXCITATION AND CONSEQUENCES", Physica A 153, 266(1988)

Representative refferences (minimum 5, not more than 10)

4.	LJ. Budinski-Petković and U.Kozmidis-Luburić, "J AMING CONFIGURATIONS FOR IRREVERSIBLE DEPOSITION ON A SQUARE LATTICE", Psysica A 236, 211(1997)
5.	Lj. Budinski-Petković and U. Kozmidis-Luburić, "RANDOM SEQUENTIAL ADSORPTION ON A TRIANGULAR LATTICE", Psysical Review E 56, 6904(1997)
6.	V.Sajfert,B.S.Tošić,M.Marinković and U.F.KOZMIDIS-LUBURIĆ,"SURFACE DEFORMATION IN FILMS AND EXCITON CONCETRATION", Physica A 166, 430(1990)
7.	B.S.Tošić, Lj.Mašković, U. F. KOZMIDIS-LUBURIĆ, V.Jovovic and G. Davidovic, "Transition FROM THE DEFORMED STRUCTURE TO THE STATISTICALLY EQUIVALENT IDEAL STRUCTURE AND AN ESTIMATE OF THE BASIS PHYSICAL CHARACTERISTICS OF THE DEFORMED STRUCTURE", Physica A 216, 478(1995)
8.	V.Jovović, G.Davidović, B.S.Tošić,Lj.Mašković, U.F.KOZMIDIS-LUBURIĆ and D.Ćirić,"MASS DISTRIBUTION IN HETEROGENEOUS STRUCTURES", Physica A 223,263(1996)
9.	Lj. Budinski-Petković and U. KOZMIDIS-LUBURIĆ, "IRREVERSIBLE DEPOSITION ON DISORDERED SUBSTRATES: LINE SEGMENTS ON A SQUARE LATTICE", Physica A 245,261(1997)
10.	Lj. Budinski-Petković and U. KOZMIDIS-LUBURIĆ, "IRREVERSIBLE DEPOSITION OF DIRECTED SELF-AVOIDING RANDOM WALKS ON A SQUARE LATTICE", Physica A 262,388(1999)

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

Quotation total :	68			
Total of SCI(SSCI) list papers :	23			
Current projects :	Domestic :	1	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Kozmidis-Petrović F. Ana
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.09.1975
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	1997	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	1984	Faculty of Sciences - Novi Sad	Physics
Magister thesis	1980	Faculty of Mathematics - Beograd	Physical Science
Bachelor's thesis	1972	Faculty of Sciences - Novi Sad	Physical Science

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

	ID	Course name	Study programme name, study type
1.	E103	Physics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	GG06	Civil Engineering Physics	(G00) Civil Engineering, Undergraduate Academic Studies
3.	M101	Technical Physics	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	ZR440	Influence of radiation on health and occupational safety	(Z01) Safety at Work, Undergraduate Academic Studies
5.	ZC008	Technical physics	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
7.	SZD017	Solid Materials in the Environment	(Z00) Environmental Engineering, Specialised Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

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

Representative refferences (minimum 5, not more than 10)

1.	D. M. Petrović, A. F. Petrović, V. M. Leovac, S. R. Lukić: Thermal decomposition of Cu(II) complexes with salicyladehyde S-methylthiosemicarbazone, Journal of Thermal Analysis, 42, 1165-1170, 1994.
2.	S.R. Lukić, D. M. Petrović, A. F. Petrović, F. Skuban, I.I. Turyanitsa: Tendency towards crystallization of Ge-As-Te system glasses, Journal of Materials Science Lett., 15,.
3.	A. F. Petrović, S. R. Lukić, D. M. Petrović, E. Z. Ivegeš, V. M. Leovac: Metal complex with pyrazole derived ligands. Part IV. Thermal decomposition of Cobalt(II) complexes with 3(5)-amino-4-acetyl 5(3) mathylpyrazole, Journal of Thermal Analysis, 47, 879-886,
4.	S. R. Lukić, D. M. Petrović, A. F. Petrović: Effect of copper on conductivity of amorphous AsSeyIz, Journal of Non-Crystalline Solids, 241, 74-77, 1998.
5.	S. R. Lukić, V. M. Leovac, A. F. Petrović, S. J. Skuban, V. I. Češljević, M. M.Garić: Metal Complexes with Pyrazole-derived Ligands. XIII. Synthesis and Thermal Studies of Zn(II) Complexes with 3-amino-4-acetyl-5-methylpyrazole, Synth.React.Inorg. Met.-Org.Chem.,2002
6.	S. R. Lukić, S. J. Skuban, D. M. Petrović, A. F. Petrović, M. Garić, Characteristics of complex non-crystalline chalcogenides from the Ge-As-S-Se-I system, Journal of Optoelectronics & Advanced Materials, 6(3), 755-768, 2004.
7.	A. F. Petrović, S.R. Lukić, D.D. Štrbac: Critical rate of cooling glassy melts under conditions of continuous nucleation.The application to some chalcogenide glasses, Journal of Optoelectronics & Advanced Materials, 6(4) 1167-1177, 2004.
8.	S. R. Lukić, D. M. Petrović, Ž. N. Cvejić,.A F. Petrović, F. Skuban: Thermally-induced Structural Changes in Copper-containing Chalcogenide Thin Films, Journal of Optoelectronics & Advanced Materials, 3(2), 337-340, 2001.
9.	S.R. Lukić, D.M. Petrović, G.R.Štrbac, A.F.Petrović, M Šiljegović : Effect of sulfur atom substitute with selenium on stability of glassy Ge20As14SxSe52-xI14, Journal of Physics and Chemistry of Solids 66, 1683-1686 (2005)
10.	A.F.Kozmidis-Petrovic, G.R.Strbac, D.D.Strbac, Kinetics of non-isothermal crystallization of chalcogenide, J.Non-Cyst.Solids, 2014–2019, 353(2007)2014

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

Quotation total :	153			
Total of SCI(SSCI) list papers :	25			
Current projects :	Domestic :	1	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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.	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.
2.	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.
3.	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
4.	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.
5.	Krsmanović, C., Radović, B., Govedarica, M., Baloš, D. : Industrial Engineering and Informatics - Does There Boundary Exist ?, III International Szmposium INTERDISCIPLINARY REGIONAL RESEARCH (Hungary, Romania, Yugoslavia), Proceedings, Novi Sad, September 24 - 25, 1998.
6.	Navalušić, S., Gatalo, R., Krsmanović, C., Hodolič, J., Milojević, Z.: Automated Product Design as a Segment of the Computer Integrated Manufacturing, III International Symposium INTERDISCIPLINARY REGIONAL RESEARCH (Hungary, Romania, Yugoslavia), Proceedings, Novi Sad, September 24 - 25, 1998.
7.	Krsmanović, C., Stefanović, D.: Startegic Planning of Data Protection and Data Access After Catastrophic Events, VI International Symposium INTERDISCIPLINARY REGIONAL RESEARCH (Hungary, Romania, Yugoslavia), Proceedings, Novi Sad, September 2002
8.	Krsmanović, C., Simić, M.: Osnove razvoja i projektovanja multifunkcijskih i inteligentnih tehničkih sistema, XII međunarodna konferencija Industrijski sistemi - IS 2002., Zbornik radova, p.p. 354 - 359, Vrnjačka Banja, Novembar 2002.
9.	Anišić, Z., Krsmanović, C.: Assembly Initiated Production as a Prerequisite for Mass Customization and Effective Manufacturing, Journal of Mechanical Engineering, Vol. 54, No. 9, Ljubljana, September 2008., pp. 607. - 618. (Thomson Scientific Journal List)
10.	Anderla, A.,Brkljac, B., Stefanovic, D., Krsmanović, C., Sladojevic, S., Culibrk, D.: 3D Reconstruction from MRI Images, Metalurgia International, Bucharest, Romania (accepted for publication in Journal number 4, April 2013) - Thomson Scientific Journal List

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

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
PhD thesis	2003	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Magister thesis	1999	Faculty of Technical Sciences - Novi Sad	Automatic Control and System Engineering
Bachelor's thesis	1994	Faculty of Technical Sciences - Novi Sad	Electroenergetics

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

	ID	Course name	Study programme name, study type
1.	AU44	Control Systems Design	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E226	Automatic Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (H00) Mechatronics, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E238A	Control Systems Technology	(BM0) Biomedical Engineering, Undergraduate Academic Studies (E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	EEI302	Systems of Automatic Control in Power Engineering	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	H1405	Optimization Methods	(H00) Mechatronics, Undergraduate Academic Studies
6.	H302	Control Systems 2	(H00) Mechatronics, Undergraduate Academic Studies
7.	M325	Automatic Control Systems	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
8.	BMI125	Biological Control Systems	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	E2315	Electrical Machines in Automatic Control Systems	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	EMSAU 1	Automatic Control Systems in Electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
11.	SEAU01	Nonlinear programming and evolutionary computations	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
12.	SEAU03	Real-time control algorithms	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies
13.	DE410S	Selected Topics in the Field of Automatic Control	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
14.	E2515	Intelligent Control Systems	(E20) Computing and Control Engineering, Master Academic Studies (MR0) Measurement and Control Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	M2550	Automatic Control Systems in Motor Vehicles	(M22) Mechanization and Construction Engineering, Master Academic Studies
16.	E2532	Automatic Control Systems Project Management	(E20) Computing and Control Engineering, Master Academic Studies
17.	SEAM01	Intelligent Control Systems	(SE0) Software Engineering and Information Technologies, Master Academic Studies
18.	DAU007	Selected Topics in Artificial Intelligence in Control and Signal Processing	(E20) Computing and Control Engineering, Doctoral Academic Studies
19.	DE410	Selected Topics in the Field of Automatic Control	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
20.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
21.	DAU017	Selected Topics from Totally Integrated Automatic Control Systems	(E20) Computing and Control Engineering, Doctoral Academic Studies
22.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Dragan Kukolj, Vesna Bengin, Filip Kulić: Osnovi klasične teorije automatskog upravljanja kroz rešene probleme, Sombor, Somel, 1995. 241str., UDK: 681.5(075.8),
2.	Dragan Kukolj, Filip Kulić: Projektovanje sistema automatskog upravljanja u prostoru stanja, Novi Sad, Fakulet tehničkih nauka, 1995. 232str., UDK: 681.5(075.8),
3.	D.Kukolj, F.Kulić, E.Levi: Design Of The Speed Controller For Sensorless Electric Drives Based On AI Techniques: A Comparative Study, Artificial Intelligence in Engineering, 2000, Vol. 14, str. 165- 174
4.	D.Kukolj, S.Kuzmanović, E.Levi, F.Kulić: Design of Near Optimal, Wide Range Fuzzy Logic Controller, Fuzzy Sets and Systems, 2001, Vol. 120, No. 1, str. 17- 34
5.	D.Kukolj, F.Kulić, D.Popović, Z.Gorečan: Determining Topological Changes and Critical Load Levels of a Power System by Means of Artificial Neural Network, Electric Machines and Power Systems, 1997, Vol. 25, No. 8, str. 917- 926, ISSN 0731-356x.
6.	D.Kukolj, D.Popović, F.Kulić, Z.Gorečan: Fast Dynamic Stability Analysis of a Power System Using Artificial Neural Networks, European Transactions on Electrical Power (ETEP), 1998, Vol. 8, No. 3, str. 207- 212, ISSN 1430-144X.
7.	D.Popović, D.Kukolj, F.Kulić: Monitoring and Assessment of Voltage Stability Margins Using Artificial Neural Networks with a Reduced Input Set, IEE Proc. -Gener. Transm. Distrib, 1998, Vol. 145, No. 4, str. 355- 362, ISSN 1350-2360.

Representative refferences (minimum 5, not more than 10)

8.	Matić Dragan, Kulić Filip, Pineda-Sanchez Manuel, Kamenko Ilija: “Support vector machine classifier for diagnosis in electrical machines: Application to broken bar”, Expert Systems With Applications, vol.39 br.10, str. 8681-8689, 2012.
9.	Čongradac Velimir, Kulić Filip: “Recognition of the importance of using artificial neural networks and genetic algorithms to optimize chiller operation”, Energy and Buildings, vol. 47, str. 651-658; April 2012.
10.	Ilić Slobodan; Vukmirović Srđan; Erdeljan Aleksandar; Kulić Filip: “Hybrid Artificial Neural Network System for Short-Term Load Forecasting, Thermal Science, vol.16, br. , str. S215-S224, 2012

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

Quotation total :	32			
Total of SCI(SSCI) list papers :	12			
Current projects :	Domestic :	2	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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 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
4.	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
5.	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
6.	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
7.	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
8.	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
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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Lalić S. Danijela
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	30.06.2004
Scientific or art field:	Production Systems, Organization and Management

Academic 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	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	2004	Faculty of Technical Sciences - Novi Sad	Engineering Management

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

	ID	Course name	Study programme name, study type
1.	EOS39	Projektni menadžment	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
2.	II202	Marketing	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	II205	Menadžment ljudskih resursa	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
4.	IM1019	Commercial Processes	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1023	Business Communication	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1817	Public Relations	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1919	Employee Relations	(I20) Engineering Management, Undergraduate Academic Studies
8.	S0I322	Human Resources Management	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
9.	HR005	PR Plan Development and Application	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	HR017	Corporate Communication Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	I076/S	Leadership and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
12.	IMDS68	Business communication in efective sistems	(I22) Engineering Management, Specialised Academic Studies
13.	MBA304	Business Strategies	(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA308	Business communication	(IB0) Engineering Management - MBA, Specialised Professional Studies
15.	MBA513	leadership development and teamworking	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
16.	MBA515	decision macing and change	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
17.	MBA522	Lobbying, presentation and negotiation skills	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
18.	MBA524	interculture business communications	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
19.	MBA605	Online Public Relations	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
20.	PLM01	PLM Platform	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
21.	NIT04	Communication Skills	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
22.	RPR005	Project Cycle Management	(RPR) Regional Development Planning and Management, Master Academic Studies
23.	RPR013	Management of Human Resources	(RPR) Regional Development Planning and Management, Master Academic Studies
24.	IM2817	Internet and Social Media Communication	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
25.	IM2820	Event Marketing	(I20) Engineering Management, Master Academic Studies
26.	IM2907	Leadership	(I20) Engineering Management, Master Academic Studies
27.	IM2914	Corporate Communications Management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
28.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
29.	IMDS77	Selected Chapters from Human Resource Management	(I22) Engineering Management, Specialised Academic Studies
30.	IMDR68	Business Communication in Effective Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
31.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
32.	IMDR77	Selected Chapters from Human Resource Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
33.	ZRD27A	Operations management in the security and occupational safety	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Vlastelica Bakić, T., Lalić, D., Verčić, D. “Employee Engagement: The case of Coca-Cola Hellenic Serbia”, BledCom 2011, 18th International Public Relations Research Symposium BledCom, 1-2. jul 2011, Bled, Slovenija, ISBN 978-961-90484-8-1, str. 32-41.
2. Lalić D., Popovski K., Gecevska V., Popovska Vasilevska S., Tešić Z.: Analysis of the opportunities and challenges for renewable energy market in the Western Balkan countries, Renewable and Sustainable Energy Reviews, 2011, Vol. 15, No Issue 6, pp. 3187-3195, ISSN 1364-0321, UDK: doi: 10.1016/j.rser. 2011.04.11, Elsevier
3. 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
4. Grubic-Nesic, L., Konja, V., & Lalic, D. (in press, 2012). Leadership in Learning Organizations. Metalurgia international, 17(12)
5. Konja, V., Grubic-Nesic, L., & Lalic, D. (in press, 2012). Leader-member Exchange Influence on Organizational Commitment among Serbian Hospital Workers. Healthmed, 6(11)
6. Lalić D., Marjanović U., Lalić B.: The influence of social networks on communication satisfaction within the organizations. In: M.M. Cruz-Cunha, P. Goncalves, N. Lopes, E.M. Miranda and G.D. Putnik, ed. Handbook of Research on Business Social Networking: Organizational, Managerial, and Technological Dimensions., New York, Business Science Reference (IGI Global), 2012, str. 545-566, ISBN 978-1-61350-168-9
7. Lalic, D., Gajic, S., & Konja, V. (2012). Social Media influence on Mass Customization and Personalization process. 5th International conference on Mass Customization and Personalization in Central Europe (MCP - CE 2012), 19-21 Sept., Novi Sad, Serbia

Representative refferences (minimum 5, not more than 10)

8.	Danijela Lalic, REACHING FURTHER WITH ONLINE COMMUNICATION STRATEGIES OF ORGANIZATIONS , CASE STUDY: “SECOND LIFE “ - SUCCESSFUL EXAMPLES OF ORGANIZATION’S ONLINE COMMUNICATION STRATEGIES, (Online proceedings: Web strana: http://www.onlinecommunicators.org/Seminars/IAOC-Conference-Agenda.cfm), IAOC Conference in Washington, DC, International Association of Online Communicators, 1-2 October, 2009, Washington, DC, USA.
9.	Danijela Lalic, Danijela Gracanin, Dragan Varagic: PERSONALIZATION OF INTERNET CONTENT, (str. 125-131), ISBN 978- 86-7892-114-8, 3th International Conference on Mass Customization and Personalization in Central Europe, (MCP-CE 2008), Palic, Serbia, 3-6 June 2008.
10.	Lalić D.: A HOLISTIC VIEW OF TECHNOLOGY AND MANAGEMENT DEVELOPMENT TOWARDS SUSTAINABLE BUSINESSES, 14. International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" - TMT, Mediterranean Cruise, 11-18 Septembar, 2010

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	2	International :	3

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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.	Milovan Lazarević, Gordana Ostojić, Stevan Stankovski, Marija Rakić-Skoković: Implementation of RFID Tecnology In Disassembly and Recycling Systems, Infoteh Jahorina 2007, Srpsko Sarajevo, Republika Srpska: Mašinski fakultet, Srpsko Sarajevo, 28-30 mart, 2007, str. 151- 155, ISBN 99938-624-2-8.
9.	Ostojić G., Stankovski S., Vukelić Đ., Lazarević M., Križan P.: Maintenance with the usage of RFID technology, Journal ERIN, 2010, Vol. 3, No 2, pp. 2-7, 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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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:	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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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:	Mihailović P. Biljana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.03.1999
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2009	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2003	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
4.	E224A	Probability and Stochastic Processes	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	EOS07	Mathematics 2	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
6.	M102	Mathematics 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
7.	E102	Mathematical Analysis 1	(ES0) Power Software Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
8.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
10.	E102A	Mathematical Analysis 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies

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

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

Representative refferences (minimum 5, not more than 10)

1. E. Pap, B. Mihailović: A representatation of a comonotone-v-additive and monotone functional by two Sugeno integrals, Fuzzy Sets and Systems 155, (2005) 77-88
2. B. Mihailović, E. Pap: Sugeno integral based on absolutely monotone real set functions, Fuzzy Sets and Systems, Vol 161, Issue 22, (2010) 2857-2869
3. B. Mihailović, E. Pap: Asymmetric integral as a limit of generated Choquet integrals based on absolutely monotone real set functions, Fuzzy Sets and Systems 181, (2011) 39-49.
4. B. Mihailović, E. Pap: Asymmetric general Choquet integrals, Acta Polytechnica Hungarica, Volume 6, Issue Number 1, (2009) 161-173.
5. Kalina M., Manzi M., Mihailović B.: Choquet integrals and T-supermodularity, E. Pap (Ed.): Intelligent Systems: Models and Applications, TIEI 3, DOI: 10.1007/978-3-642-33959-2 4 c Springer-Verlag Berlin Heidelberg , (2013) 61-75.

Representative refferences (minimum 5, not more than 10)

6.	B. Mihailović, Lj. Nedović, T. Grbić : The induced Sugeno integral-based operator w.r.t bi-fuzzy measures, Journal of Electrical Engineering, Vol.54, No. 12/s, (2003) 76-79.
7.	B. Mihailović, E. Pap: Non-monotonic set functions and general fuzzy integrals, Proceedings of SISY 2008, Subotica, (2008) 371-374.
8.	B. Mihailović: On the class of symmetric S-separable aggregation functions Proceedings of AGOP 2007, Ghent, Belgium, (2007) 187-191.
9.	B. Mihailović, E. Pap: Decomposable signed fuzzy measures, Proceedings of EUSFLAT 2007, Ostrava, Czech Republic, (2007) 265-269.
10.	B. Mihailović, M. Manzi: On the asymmetric Shilket-like integral, Proceedings of AGOP2011, Benevento, Italy, (2011) 73-77.

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

Quotation total :	10			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	2	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

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

	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

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

	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.	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.	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.
3.	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
4.	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
5.	Milisavljević S.: Razvoj modela sistema upravljanja odnosima sa korisnicima u organizacijama u Srbiji, Novi Sad, Fakultet tehnickih nauka, 2012
6.	Grubić-Nešić L., Mitrović S., Melović B., Milisavljević S.: Research among Employees in the Agricultural Sector, HealthMED, 2013, ISSN 1840-2991
7.	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
8.	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
9.	Grubić-Nešić L., Mitrović S., Milisavljević S.: Personal prerequisities of entrpreneurial engagement, 2. Preduzetnička konferencija "Zapošljavanje kroz prizmu preduzetništva", Podgorica: Ekonomski fakultet Podgorica, 18 Maj, 2012, ISBN 978-86-80133-56-0
10.	I. Beker, D.Šević, S. Milisavljević "Uporedna analiza zahteva standarda ISO 14001:2004 i standarda ISO 14001:1996

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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. 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
2. 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
3. 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
4. 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
5. 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
6. 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
7. Stefanović D., Rakić-Skoković M., Mirković M., Anderla A., Rašić D.: Contemporary Software Business Suites as a Company's Competitive Advantage, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Faculty of Technical Sciences; Department of Industrial Engineering and Management; University of Novi Sad, 14-16 Septembar, 2011, ISBN 978-86-7892-341-8
8. 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
9. 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
10. Gavric, K., Culibrk, D., Mirkovic, M., & Crnojevic, V. (2011). Using YouTube Data to Analyze Human Contintent-level Mobility. CASoN 2011 (pp. 207–210). Salamanca: MIR Labs.

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

Quotation total :	12			
Total of SCI(SSCI) list papers :	2			
Current projects :	Domestic :	2	International :	3

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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.	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

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:	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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Mrkšić Lj. Dragan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	02.10.2006
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	1984	Faculty of Law - Beograd	Legal Science
Magister thesis	1981	Faculty of Law - Beograd	Legal Science
Bachelor's thesis	1977	Faculty of Law - Beograd	Legal Science

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

	ID	Course name	Study programme name, study type
1.	IM1009	Business Law	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1712	Management of Life Insurance	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1717	Right insurance	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1720	Communications in Insurance	(I20) Engineering Management, Undergraduate Academic Studies
5.	IMDS53	Selected Chapters in Life Insurance	(I22) Engineering Management, Specialised Academic Studies
6.	OIR006	The basis of the rights in insurance	(I20) Engineering Management, Specialised Professional Studies
7.	IMDR53	Selected Chapters in Life Insurance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Zarković, N., Mrkšic, D. and Lisov, M.: SITUATION AND POSSIBILITIES OF IMPROVEMENT OF VOLUNTARY PENSION INSURANCE IN SERBIA AS A DEVELOPING COUNTRY, African Journal of Business Management, Vol.4 (10), 18 August 2010, pp 2075-2086.
2. Mrkšić, D., Carić, S., Vitez, M.:PRIVREDNO PRAVO, CENTAR ZA PRIVREDNI CONSALTING, Novi Sad, petnaesto izdanje, 2005., str. 500,
3. Mrkšić, D., Marović, B.: OSIGURANJE I REOSIGURANJE, FINANSING CENTAR, Novi Sad, 1996.
4. Mrkšić, D., Petrović, Z.: PRAVO OSIGURANJA, FAKULTET ZA POSLOVNO PRAVO Beograd, Beograd 2004.
5. Mrkšić, D.: OSIGURANJE U TEORIJI I PRAKSI, ALEF, Novi Sad, 1990.
6. Mrkšić, D., Kostadinović, S.: KOMPANIJSKO PRAVO, FAKULTET ZA USLUŽNI BIZNIS, Novi Sad, 2004.
7. Mrkšić, D., Petrović, Z.: ŽIVOTNO OSIGURANJE, DIS PUBLIK, Beograd, 2005.
8. Mrkšić, D., Šulejić, P., Vujović, R., Žarković, N., Rašeta, J., Miloradić, J.: OSNOVI OSIGURANJA, FAKULTET ZA FINANSIJSKI MENADŽMENT I OSIGURANJE, Beograd, 2006.
9. Mrkšić, D., Miloradić, J., Žarković, N.: UVOD U OSIGURANJE I ŽIVOTNA OSIGURANJA, IKP „ZASLON“ Šabac i Monart – Sremska Mitrovica, Novi Sad, 2006.
10. Mrkšić, D.: UPRAVLJANJE OSIGURAVAJUĆIM I REOSIGURAVAJUĆIM ORGANIZACIJAMA, FAKULTET ZA FINANSIJSKI MENADŽMENT I OSIGURANJE, Beograd, 260 str., 2006.

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

Quotation total :	122			
Total of SCI(SSCI) list papers :	1			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Nerandžić B. Branislav
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	20.10.2006
Scientific or art field:	Production Systems, Organization and Management

Academic 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	2004	Faculty of Technical Sciences - Novi Sad	Engineering Management
Education Specialist Thesis	2003	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1980	Faculty of Economics - Subotica	Economic Science

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

	ID	Course name	Study programme name, study type
1.	ETI41	Sociology of Technique	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
2.	IM1018	Management Accounting and Financial Management	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1414	Analyses of business reports	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1415	Indicators of Business Performance	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1418	Operational Audit	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1718	Controlling and Auditing in Insurance	(I20) Engineering Management, Undergraduate Academic Studies
7.	IMDS89	Controlling and Internal Audit in Corporate Governance	(I22) Engineering Management, Specialised Academic Studies
8.	IMDS90	Selected Chapters of Strategic Management Accounting	(I22) Engineering Management, Specialised Academic Studies
9.	IR001	Professional Practice of Internal Auditing	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
10.	IR002	Implementation and Execution of Internal and Operational Audit.	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	KIR001	Internal and Operational Auditing	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
12.	MBA307	European and international business and trade law	(IB0) Engineering Management - MBA, Specialised Professional Studies
13.	MBA310	Financial management with the accounting elements	(IB0) Engineering Management - MBA, Specialised Professional Studies
14.	MBA521	The European Union-development process	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
15.	MUO002	Management Accounting, Auditing and Controlling	(I20) Engineering Management, Specialised Professional Studies
16.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
17.	IM2117	Calculation of costs and prices of products and services	(I20) Engineering Management, Master Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
18.	IM2419	Business in Terms of Globalization	(I20) Engineering Management, Master Academic Studies
19.	IM2426	Operational Audit and Controlling	(M50) Energy Management, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies
20.	IMDR89	Controlling and Internal Audit in Corporate Governance.	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
21.	IMDR90	Selected Chapters of Strategic Managment Accounting	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Perović V., Nerandžić B., Bojanić R., Živkov E., Bulatović B.: INFLENCE OF CONTROLLING THE INVESTMENT PROJECTION ERP (M) WITH PRIMARY FOCUS ON THE CASHFLOW IN THE COMPANY - , Metalurgia international, 2013, No 3 - 2013, ISSN 1582-2214
2.	Nerandžić B., Perović V.: Personality and moral character traits and acnowledging the principles of management ethics,auditing and accounting ethics, African Journal of Business Management, 2011, ISSN 1993-8233
3.	Perović V., Nerandžić B.: Controlling as a useful managament instrument in crisis times, African Journal of Business Management, 2011, ISSN 1993-8233
4.	Perović V., Nerandžić B., Bulatović B.: The Transition Processin the Context of Privatization in the Republic of Serbia (2001-2010) , Actual Problems of Economics, 2013, No 02-2013, ISSN 1993-6788
5.	Pečujlija M., Perović V., Nerandžić B.: Initiating innovation in Serbian companies' organizational cultures, African Journal of Business Management, 2010, Vol. 4, No 18, pp. 3957-3967, ISSN 1993-8233
6.	Nerandžić B.: Interna i operativna revizija , Stylos, 2007, ISBN 978-86-7473-330-1
7.	Nerandžić B., Perović V.: Upravljačko računovodstvo, Novi Sad, Fakultet tehničkih nauka, 2009, ISBN 978-86-7892-210-7
8.	Vujičić D., Nerandžić B., Perović V.: Priručnik za investicije, Novi Sad, Stilos, 2008, ISBN 978-86-7892-210-7
9.	Nerandžić B.: Sistemi internih kontrola i operativna revizija , Privredna izgradnja, 2005, No 1-2, pp. 99-112, ISSN 0032-8979
10.	Nerandžić B.: Prilaz strateškim menadžment instrumentima primenom operativne revizije , Ekonomist - Savez ekonomista Srbije i Crne Gore, 2005, Vol. 43, No 2, pp. 131-137, ISSN 0354-5253

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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Nikolić T. Slavka
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.2000
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	2002	Faculty of Organizational Sciences - Beograd	Management and Business
Magister thesis	1992	Faculty of Organizational Sciences - Beograd	Organization Science
Bachelor's thesis	1978	Faculty of Technology and Metallurgy - Beograd	Technological Processes, Techno-Economic Optimization and Virtual Design

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

	ID	Course name	Study programme name, study type
1.	F109	Marketing and Entrepreneurship	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	II202	Marketing	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	IM1015	Industrial Marketing	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1051	Market Research	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1219	Analysis of entrepreneurial environment	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1806	Behavioral models of industrial customers	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1816	Industrial brand management	(I20) Engineering Management, Undergraduate Academic Studies
8.	S1I323	Market research and customer behavior	(S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
9.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
10.	MBA415	Development of services, products and marketing of technological innovation	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
11.	RPR003	Marketing and Strategies for Regional Development	(RPR) Regional Development Planning and Management, Master Academic Studies
12.	IM2807	Strategic industrial marketing management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
13.	IM2819	Industrial eco-marketing	(I20) Engineering Management, Master Academic Studies
14.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
15.	IMDS82	Industrial eco-marketing management	(I22) Engineering Management, Specialised Academic Studies
16.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
18.	IMDR82	Industrial eco-marketing management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Nikolić, T.S, Pecujlija, M.: Customer behavior in the culture of fear and short attention, African Journal of Business Managemen, 2011., Vol. 6 (9), pp. 3147-3155, 7 March, 2012, ISSN 1993-8233
2. Nikolić S., Ćosić I., Miletić A., Pečujlija M.: The effect of the 'golden ratio' on consumer behaviour, African Journal of Business Management, 2011, Vol. 5, No 20, pp. 8347-8360, ISSN 1993-8233

Representative refferences (minimum 5, not more than 10)

3.	Nikolić, T.S.: Menadžment između mislećeg i osećajnog, monografija, Fakultet tehničkih nauka, Univerzitet u Novom Sadu, 2010.
4.	Nikolić, T.S.: Stretegijski menadžment u minskom polju savremenosti, STRATEGIJSKI MENADŽMENT, ISSN 0354-8414, ID= 215489031,Vol. 10 (3), 2-5;
5.	Nikolić S.: CUSTOMIZED' CONSUMER AND CONSUMER 'INNOVATOR' IN THE LIGHT OF SOCIAL CAPITAL AND DOMINANT CULTURAL PATTERN, 5. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: University of Novi Sad, 19-21 Septembar, 2012, pp. 170-174
6.	Nikolić, T.S.; Mujićić,V.; Anđelić,G.: Entrepreneurship and Crisis Management – Two Sides of the Same Coin, International Conference for Entrepreneurship, Innovation and Regional Development, ICEIRD2010, ISBN 978-86-7892-250-3, COBISS.SR-ID 252076295, CD ROM, str. 559-564.
7.	Nikolić, T.S., Stamatović, M., Miladinović, S.: Marketing Reflexion in Broken Transition Mirror, International Scientific Conference CRISIS OF TRANSITION AND TRANSITION OF CRISIS 2011, B. Luka, BiH
8.	Nikolić, T.S.; Strak, M.; Gujanica, I.:Business System Between "Liposuction" and "Bodybuilding"; International Journal of Strategic management and Decision Support Systems in Strategic Management, Vol.14, No4, p.33-38;
9.	Dimitrijević(Nikolić), T. S.: Marketing u industriji teške mašinogradnje; Međunarodna naučna konferencija TEŠKA MAŠINOGRADNJA TM96, Kraljevo 1996., str. 4.51
10.	Stark M., Nikolić S.: Implementation of Complex Projects Using Constraint Programming, The International Scientific Journal of Management Information Systems, 2012, Vol. 7, No 3, pp. 11-19, ISSN 1452-774X

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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Palčič -. Iztok
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:	2009	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2004	Faculty of Mechanical Engineering - Maribor	Production Systems, Organization and Management
Magister thesis	2002	Faculty of Mechanical Engineering - Maribor	Mechanical Engineering
Bachelor's thesis	1999	Faculty of Mechanical Engineering - Maribor	Mechanical Engineering

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

	ID	Course name	Study programme name, study type
1.	IM1046	Structural and Development Projects	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1317	Project Procurement Management	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1821	Managing Media Projects	(I20) Engineering Management, Undergraduate Academic Studies
4.	HDOK4S	Selected chapters from automation of work processes	(I12) Industrial Engineering, Specialised Academic Studies
5.	IMDS59	Project approach in Effective Systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
6.	MBA413	Knowledge Systems and Project Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
7.	PLM05	Management of PLM Projects	(I1U) Industrial Engineering - Product Lifecycle Management and Development, Master Academic Studies
8.	IM2101	Intelligent Enterprising and Effective Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
9.	IM2107	SAP Enterprise systems	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
10.	IM2314	Program and Portfolio management	(I20) Engineering Management, Master Academic Studies
11.	HDOK-4	Selected Chapters in Production Process Automation	(H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
12.	HDOKL4	Selected chapters from automation of work processes	(H00) Mechatronics, Doctoral Academic Studies
13.	IMDR59	Project Approach in Effective Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. PALČIČ, Iztok, POLAJNAR, Andrej, VUJICA-HERZOG, Nataša. Upravljanje proizvodnje v večprojektnem okolju. Proj. mreža Slov., sep. 2002, letn. 5, št. 3, str. 20-28. [COBISS.SI-ID 7420182]
2. PANDŽA, Krsto, BUCHMEISTER, Borut, POLAJNAR, Andrej, PALČIČ, Iztok. Proizvodna strategija, podprta s teorijo proizvodnih virov : študij primera v podjetju Primat = An operations strategy supported with resource-based theory = a case study at the Primat company. Stroj. vestn., 2002, letn. 48, št. 7, str. 379-394. [COBISS.SI-ID 7601430] JCR IF: 0.05, SE (96/102), engineering, mechanical, x: 0.553
3. PALČIČ, Iztok, POLAJNAR, Andrej, PANDŽA, Krsto. Model za učinkovito upravljanje proizvodnje po naročilu = A model for the effective management of order-based production. Stroj. vestn., 2003, letn. 49, št. 7/8, str. 398-412. [COBISS.SI-ID 8491030] JCR IF: 0.048, SE (99/106), engineering, mechanical, x: 0.61
4. FULDER, Tatjana, PALČIČ, Iztok, POLAJNAR, Andrej, PIŽMOHT, Petja. Razvoj proizvodnih zmogljivosti v industrijskih grozdih - primer Slovenski avtomobilski grozd = The process of manufacturing capability development in industrial clusters - a Case study of the automotive cluster of Slovenia. Stroj. vestn., 2005, letn. 51, št. 12, str. 771-785. [COBISS.SI-ID 8782875] JCR IF: 0.116, SE (91/104), engineering, mechanical, x: 0.644

Representative refferences (minimum 5, not more than 10)

5.	PALČIČ, Iztok. Projektni management za večjo inovativnost v industrijskem grozdu. Proj. mreža Slov., sep. 2004, letn. 7, št. 3, str. 25-29. [COBISS.SI-ID 9007894]
6.	FULDER, Tatjana, PALČIČ, Iztok, POLAJNAR, Andrej. Razvoj proizvodnih sposobnosti in učinkovitost izvajanja projektov v industrijskih grozdih. Proj. mreža Slov., dec. 2005, letn. 8, št. 1/3, str. 13-20. [COBISS.SI-ID 10062614]
7.	PALČIČ, Iztok, LALIĆ, Bojan. Analytical hierarchy process as a tool for selecting and evaluating projects. Int. j. simul. model., Mar. 2009, vol. 8, no. 1, str. 16-26. http://dx.doi.org/10.2507/IJSIMM08(1)2.112, doi: 10.2507/IJSIMM08(1)2.112. [COBISS.SI-ID 13077782]
8.	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 IF (2008): 0.706, SE (25/38), engineering, manufacturing, x: 0.905, SE (128/191), materials science, multidisciplinary, x: 1.953
9.	PALČIČ, Iztok, BUCHMEISTER, Borut, LALIĆ, Bojan. Analitični hierarhični proces kot orodje za ocenjevanje in izbiro projektov. Proj. mreža Slov., mar. 2009, letn. 12, št. 1, str. 4-10. [COBISS.SI-ID 13103126]
10.	PALČIČ, Iztok. Industrial clusters. Vienna: DAAAM International Publishing, 2007. VIII, 116 str., graf. prikazi. ISBN 3-901509-80-1. ISBN 978-3-901509-80-3. [COBISS.SI-ID 60180993] 2.02 Professional monograph

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	0	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Pantović B. Jovanka
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	13.06.1993
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2010		Mathematics
PhD thesis	2000	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1996	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1991	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	E145	Operations Research	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E213	Discrete Mathematics and Linear Algebra	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
3.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	GI101	Algebra	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	H203	Mathematics 3	(H00) Mechatronics, Undergraduate Academic Studies
6.	IAM002	Discrete and Combinatorial Methods for Computer Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	S053N	Operations research	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
8.	0M512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML512	Models of Computation	(OM1) Mathematics in Engineering, Master Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
11.	D0M08	Applied Abstract Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	D0M13	Theory of Mobile Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
13.	D0M14	Process Algebra	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M22	Multiple-Valued Logic	(OM1) Mathematics in Engineering, Doctoral Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
15.	D0M23	Clone Theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (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
17.	AID05	Theory of Mobile Processes	(F20) Engineering Animation, Doctoral Academic Studies
18.	AID06	Graph theory	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Gilezan S., Pantović J., Žunić J.: Partitioning Finite d-Dimensional Integer Grids with Applications, chapter in: Approximation Algorithms and Metaheuristics (editor: T. F. Gonzalez)., Chapman
2. Ghilezan S., Pantović J., Žunić J.,Separating points by parallel hyperplanes - characteization problem, IEEE Transactions on Neural Networks, 2007, Vol. 18, No. 5, 1356-1363.
3. Mariangiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantovic, Daniele Varacca: Security types for dynamic web data. Theor. Comput. Sci, 2008, 402(2-3): 156-171
4. Pantović J., Vojvodić D., On the cardinality of nonfinitely based functionally complete algebras, Algebra Universalis, Vol. 43, No. 4, 2000, 369-374.
5. Pantović J., Tošić R., Vojvodić G., The cardinality of functionally complete algebras on a three element set, Algebra Universalis, Vol. 38, No.2, 1997, 136-140.
6. Pantović J., Machida H., Rosenberg I.: Regular sets of operations, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 19, No 1-3, pp. 149-162, ISSN 1542-3980
7. Machida H., Pantović J.: Three classes of maximal hyperclones, Journal of Multiple Valued Logic and Soft Computing, 2012, Vol. 18, No 2, pp. 201-210, ISSN 1542-3980
8. Pantović J., Machida H.: Maximal hyperclones on E2 as hypercores , Journal of Multiple Valued Logic and Soft Computing, 2009, pp. 1-13, ISSN 1542-3980
9. Pantović J., Tošić R., Vojvodić G., Relative completeness with respect to two unary functions, Discrete Applied Mathematics, Vol.113 (2-3), 2001, 337-342.
10. Marinagiola Dezani-Ciancaglini, Silvia Ghilezan, Jovanka Pantović, Security types for dynamic web data, Proceedings of Trustworthy Global Computing, Lecture Notes in Computer Science, 2007, Vol. 4661, str. 263-280.

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

Quotation total :	30			
Total of SCI(SSCI) list papers :	13			
Current projects :	Domestic :	2	International :	3

Science, arts and professional qualifications

Name and last name:	Pečujlija D. Mladen
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.2007
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
PhD thesis	2010	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1989	Faculty of Philosophy - Novi Sad	Psychological Science

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

	ID	Course name	Study programme name, study type
1.	URZP38	Selected Chapters in Psychology	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	IM1052	Engineering Ethics	(I20) Engineering Management, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	IM1820	The theory and practice of organizational socialization	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1913	Research Methodology for Human Resources 1	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1920	Organizational socialization	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1922	Value management	(I20) Engineering Management, Undergraduate Academic Studies
7.	HR015	Ethical and legal aspects of human resources	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
8.	I077/S	Ethics in Education	(I20) Engineering Management, Specialised Professional Studies
9.	IMDS10	COGNITIVE MANAGEMENT	(I22) Engineering Management, Specialised Academic Studies
10.	IMDS99	Data ACQUISITION, ANALYSIS AND INTERPRETATION 2	(I22) Engineering Management, Specialised Academic Studies
11.	MM008	Audiovisual and media production	(I20) Engineering Management, Specialised Professional Studies
12.	ZP506	Crisis Management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
13.	ZP515	Qualitative and quantitative methods of risk management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
14.	IM2918	Human Resources Research Methodology 2	(I20) Engineering Management, Master Academic Studies
15.	IM2920	Personnel Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
16.	IMDS77	Selected Chapters from Human Resource Management	(I22) Engineering Management, Specialised Academic Studies
17.	IMDS84	Data ACQUISITION, ANALYSIS AND INTERPRETATION 1	(I22) Engineering Management, Specialised Academic Studies
18.	IMDR10	COGNITIVE MANAGEMENT	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
19.	IMDR99	Data ACQUISITION, ANALYSIS AND INTERPRETATION 2	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
20.	IMDR77	Selected Chapters from Human Resource Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
21.	IMDR84	Data ACQUISITION, ANALYSIS AND INTERPRETATION 1	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Pecujlija, M., Cosic, D (2010). An Orthodox Christian Reflection: Genetic Enhencement Must Not Be the Creation Primacy Problem Between Man and God. American Journal of Bioethics, 4, 10, 78-80
2.	Pecujlija, M., Culibrk, D. (2012). Why we believe the computer when it lies. Computers in Human Behavior, 28, 143-152
3.	Pecujlija, M., Cosic, I., Ivanisevic, V. (2011). A Professor`s Moral Thinking at the Abstract Level vs The Professor`s Moral Thinking in the Real Life Situations. Science and Engineering Ethics, 17, 2, 299-320
4.	Pecujlija, M., Azemovic, N., Azemovic, R. (2011). Leadership and productivity in transition: employees' view in Serbia, Journal of East European Management Studies, 16, 3, 251-263
5.	Radlovacki, V., Beker, I., Majstorovic, V., Pecujlija, M., Stanivukovic, D., Kamberovic, B. (2011). Quality managers' estimates of quality management principles application in certified organisations in transitional conditions - is Serbia close to TQM? Journal of Mechanical Engineering, 57, 11, 851-861
6.	Jovanovic, R, Radlovacki, V, Pecujlija, M, Kamberovic, B, Delic, M, Grujic, J. (2012). Assessment of blood donors' satisfaction and measures to be taken to improve quality in transfusion service establishments. MEDICINSKI GLASNIK 9, 2, 231-238
7.	Pecujlija, M., Nerandzic, B., Perovic, V., Jevtic, A., Simic, N. (2010). Initating innovations in Serbian companies organizational cultures. African Journal of Business Management, 18, 4, 3957-3967
8.	Pecujlija, M. et al (2010). "Employees' Attitudes Toward Company Privatization as Possible Predictors of a High-Performance Work System", African Journal for Business and Management. 5, 5, 1663-1672
9.	Jokic, S, Cosic, I, Sajfert, Z, Pecujlija, M, Pardanjac, M. (2012) Schools as Learning Organizations: Empirical Study in Serbia. METALURGIA INTERNATIONAL, 17, 2, 83-89
10.	Radlovacki, V, Pecujlija, M, Kamberovic, B, Jovanovic, R, Delic, M, Beker, I. (2012). Satisfaction of high school students with the applicability of their knowledge TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM,7, 2, 777-785

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

Quotation total :	7			
Total of SCI(SSCI) list papers :	11			
Current projects :	Domestic :	1	International :	1

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Perović I. Veselin
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	24.10.2006
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2011		Production Systems, Organization and Management
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2004	Faculty of Technical Sciences - Novi Sad	Engineering Management
Education Specialist Thesis	2003	Faculty of Technical Sciences - Novi Sad	Engineering Management
Bachelor's thesis	1982	Faculty of Economics - Beograd	Economic Science

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

	ID	Course name	Study programme name, study type
1.	Z310	Social Ecology	(Z20) Environmental Engineering, Undergraduate Academic Studies
2.	A206	Sociology and Economy of the Built Enviroment	(A00) Architecture, Undergraduate Academic Studies
3.	ASO311	Sociology of Art and Culture	(AS0) Scenic Architecture, Technique and Design, Undergraduate Academic Studies
4.	ETI41	Sociology of Technique	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
5.	IM1018	Management Accounting and Financial Management	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1414	Analyses of business reports	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1415	Indicators of Business Performance	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1417	Controlling	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1718	Controlling and Auditing in Insurance	(I20) Engineering Management, Undergraduate Academic Studies
10.	A005S	Urban sociology and economics: selected chapters	(A00) Architecture, Specialised Academic Studies
11.	GM502	Management in Construction	(G00) Civil Engineering, Master Academic Studies
12.	GM503	Management in a Construction Company	(G00) Civil Engineering, Master Academic Studies
13.	GM504	Selected Chapters in Construction Economy	(G00) Civil Engineering, Master Academic Studies
14.	IMDS89	Controlling and Internal Audit in Corporate Governance	(I22) Engineering Management, Specialised Academic Studies
15.	IMDS90	Selected Chapters of Strategic Management Accounting	(I22) Engineering Management, Specialised Academic Studies
16.	KIR002	Controlling	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
17.	KIR003	Financial Modeling	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
18.	KON01	Controlling Planning	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
19.	KON02	Controlling Data and Reporting	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
20.	MUO002	Management Accounting, Auditing and Controlling	(I20) Engineering Management, Specialised Professional Studies
21.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
22.	Z513A	Economics and the environmental protection	(Z20) Environmental Engineering, Master Academic Studies
23.	IM2319	Project evaluation	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
24.	IM2419	Business in Terms of Globalization	(I20) Engineering Management, Master Academic Studies
25.	IM2426	Operational Audit and Controlling	(M50) Energy Management, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies
26.	ZRMI3A	Sociological and Legal Aspects of Occupational Safety	(Z01) Safety at Work, Master Academic Studies
27.	A005	Urban Sociology and Economics – Selected Chapters	(A00) Architecture, Doctoral Academic Studies
28.	IMDR89	Controlling and Internal Audit in Corporate Governance.	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
29.	IMDR90	Selected Chapters of Strategic Managment Accounting	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Perović V., Nerandžić B., Bulatović B.: The Transition Processin the Context of Privatization in the Republic of Serbia (2001-2010) , Actual Problems of Economics, 2013, No 02-2013, ISSN 1993-6788
2. Perović V., Nerandžić B., Bojanić R., Živkov E., Bulatović B.: Inflence of Controlling the Investment Projection ERP (M) With Primary Focus on the Cash-flow in the Company, Metalurgia international, 2013, No 3 - 2013, ISSN 1582-2214
3. Nerandžić B., Perović V.: Personality and moral character traits and acnowledging the principles of management ethics,auditing and accounting ethics, African Journal of Business Management, 2011, ISSN 1993-8233
4. Perović V.: Controlling as a useuful managament instrument in crisis times, African Journal of Business Management, 2011, ISSN 1993-8233
5. Pečujlija M., Perović V., Nerandžić B.: Initiating innovation in Serbian companies organizational cultures, African Journal of Business Management, 2010, Vol. 4, No 18, pp. 3957-3967, ISSN 1993-8233
6. Perović V.: Controlling - a Chalange or necessity in time of crisis, 9. International Conference, Srečanje kontrolerjev: IZZivi in priložnosti kontrolinga, Ptuj, 24-25 Septembar, 2009
7. Demko-Rihter J., Perović V., Nerandžić B.: Harmonizacija finansijske i perspektive učenja i rasta u cilju povećanja vrednosti multidivizionalnog preduzeća, 15. Strategic Management and decision support systems in strategic Management, Subotica: Ekonomski fakultet Subotica, 22 April, 2010, ISBN 978-86-7233-252-0
8. Perović V., Nerandžić B., Bojanić R., Radišić S., Demko-Rihter J.: Controlling – as a Choice for Recent SME's, 3. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Novi Sad: Fakultet tehničkih nauka, 27-29 Maj, 2010, pp. 633-639
9. Nerandžić B., Perović V.: Internal audit, operational audit and corporative management, 4. Internacional Conference on Engineering Technologies - ICET, Novi Sad: Fakultet tehničkih nauka, 28-30 April, 2009, pp. 233-238, ISBN 978-86-7892-227-5, UDK: COBISS.SR-ID 245100807
10. Perović V., Nerandžić B., Todorović A., Bojanić R.: Controlling in a big company, 4. Internacional Conference on Engineering Technologies - ICET, Novi Sad: Fakultet tehničkih nauka, 28-30 April, 2009, pp. 239-242, ISBN 978-86-7892-227-5, UDK: COBISS.SR-ID 245100807

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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Pilipović R. Stevan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Sciences - Novi Sad
	01.01.1973
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	1987	Faculty of Sciences - Novi Sad	Mathematics
PhD thesis	1979	Faculty of Sciences - Novi Sad	Mathematics
Magister thesis	1977	Faculty of Mathematics - Beograd	Mathematics
Bachelor's thesis	1973	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.	DAU004	Selected Chapters in Mathematics 2	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies
2.	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.	Atanacković TM, Oparnica L, Pilipović S: On a model of viscoelastic rod in unilateral contact with a rigid wall, IMA JOURNAL OF APPLIED MATHEMATICS, (2006) vol.71 br.1 str. 1-13.
2.	Atanackovic, TM Pilipovic, S Zorica, D: A diffusion wave equation with two fractional derivatives of different order, JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, (2007) vol.40 br.20 str. 5319-5333
3.	Pilipovic, S. Teofanov, N. : Multiresolution expansion, approximation order and quasiasymptotic behavior of tempered distributions, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (2007) vol.331 br.1 str. 455-471
4.	Oberguggenberger, M. Pilipovic, S. Scarpalezos, D. : Positivity and positive definiteness in generalized function algebras, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (2007) vol.328 br.2 str. 1321-1335
5.	Oberguggenberger, M. Pilipovic, S. Valmorin, V. : Global representatives of Colombeau holomorphic generalized functions, MONATSHEFTE FUR MATHEMATIK, (2007) vol.151 br.1 str. 67-74
6.	Pilipovic, S Scarpalezos, D : Divergent type quasilinear Dirichlet problem with singularities, ACTA APPLICANDAE MATHEMATICAE, (2006) vol.94 br.1 str. 67-82
7.	Pilipovic, Stevan Vuletic, Mirjana : Characterization of wave front sets by wavelet transforms, TOHOKU MATHEMATICAL JOURNAL, (2006) vol.58 br.3 str. 369-391
8.	Hormann, G Oberguggenberger, M Pilipovic, S : Microlocal hypoellipticity of linear partial differential operators with generalized functions as coefficients, TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY, (2006) vol.358 br.8 str. 3363-3383
9.	Mitrovic, D Pilipovic, S : Approximations of linear Dirichlet problems with singularities, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (2006) vol.313 br.1 str. 98-119
10.	Pilipovic, Stevan Scarpalezos, Dimitris Valmorin, Vincent : Equalities in algebras of generalized functions, FORUM MATHEMATICUM, (2006) vol.18 br.5 str. 789-801

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	250			
Total of SCI(SSCI) list papers :	258			
Current projects :	Domestic :	0	International :	0

Science, arts and professional qualifications

Name and last name:	Popov B. Srđan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	05.09.2001
Scientific or art field:	Applied Computer Science and Informatics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Applied Computer Science and Informatics
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	2007	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Bachelor's thesis	1999	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.	E111	Programming Languages and Data Structures	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E214	Programming Languages and Data Structures	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies
3.	URZP11	Fundamentals of Information Technologies	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	URZP23	Applied Information Technologies	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP44	Application of geoinformation technology in risk management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	IMDS45	Application of information and satellite technology in risk management	(I22) Engineering Management, Specialised Academic Studies
7.	E2534	Data Compression	(E20) Computing and Control Engineering, Master Academic Studies (SE0) Software Engineering and Information Technologies, Master Academic Studies
8.	DRNI01	Selected Topics in Computer Programming	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
9.	IMDR45	Application of Information and Satellite Technologies in Risk Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Jovčić N., Radonić (Jakšić) J., Turk Sekulić M., Vojinović-Miloradov M., Popov S.: Identification of emission sources of particle-bound polycyclic aromatic hydrocarbons in the vicinity of the industrial zone of the city of Novi Sad DOI: 10.2298/HEMIND120113062J, Hemijska industrija, 2012, ISSN 0367-598X
2.	Ćosić Đ., Popov S., Sakulski D., Pavlović A.: Geo-Information Technology for Disaster Risk Assessment, Acta Geotechnica Slovenica, 2011, Vol. 8, No 2011/1, pp. 64-74, ISSN 1854-0171
3.	Malbaški D., Kupusinac A., Popov S.: The Impact of Coding Style on the Readability of C Programs, TTEM. Tehnics tehnologies education management, 2011, Vol. 6, No 4, pp. 1073-1082, ISSN 1840-1503
4.	Sakulski D., Ćosić Đ., Popov S.: Implementation of Innovative Technologies for Disaster Risk Reduction, 1. International Conference Natural Hazards, Novi Sad: University of Novi Sad, Faculty of Science, 5 Maj, 2012, pp. 15-16, ISBN 978-86-7031-276-0
5.	Sakulski D., Ćosić Đ., Popov S., Pavlović A., Laban M.: Disaster risk management and fire safety, 1. International conference Protection, Ecology, Security, Bar: Fakultet za pomorstvo Kotor, 24-26 Maj, 2012, pp. 75-81
6.	Simić J., Popov S., Ćosić Đ., Sakulski D., Novaković T., Popović Lj., Pavlović A., Luhović A.: The aspect of bringing data in spatial relationship during the process of teaching at the subject “Disaster risk management” , UDK: 37.01:004 (082)
7.	Pavlović A., Ćosić Đ., Popov S., Kolaković S.: Indikatori praćenja hazardnih pojava poplave i suše u cilju poboljšanja planiranja melioracija, Tematski zbornik radova "Melioracije 07 - stanje i perspektive-", 2012, No 12, pp. 136-146, ISSN 978-86-7520-107-6, UDK: 626.8(082)

Representative refferences (minimum 5, not more than 10)

8.	Popović Lj., Popov S., Ćosić Đ., Sakulski D.: Impact of Visualization on Data Availability, UDK: CIP je dostupan u Univerzitetskoj biblioteci Rijeke pod brojem 121219001
9.	Alargić I., Badnjarević I., Vrtunski M., Popov S.: Setting the platform for testing the quality of DTM in the format of DTM-ASCII , 8. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, , pp. 253-256, ISBN 978-1-4244-7395-3
10.	Popov S., Pavlović A., Ćosić Đ., Hlebjan M.: Interfacing Data Structures of Legacy Systems, 8. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica: 2010 IEEE , , pp. 409-411, ISBN 978-1-4244-7395-3

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 :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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:	Radenković B. Vladimir
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	30.03.2006
Scientific or art field:	Production Systems, Organization and Management

Academic carieer	Year	Institution	Field
Academic title election:	2011		Production Systems, Organization and Management
PhD thesis	2005	Faculty of Technical Sciences - Novi Sad	Computer Science
Magister thesis	1996	Faculty of Technical Sciences - Novi Sad	Telecommunications and Signal Processing
Bachelor's thesis	1980	School of Electrical Engineering - Beograd	Telecommunications and Signal Processing

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

	ID	Course name	Study programme name, study type
1.	IM1812	Basics of media and media technology	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1819	The use of media in the enterprise	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1822	Production of media content	(I20) Engineering Management, Undergraduate Academic Studies
4.	IMDS49	Media systems	(I22) Engineering Management, Specialised Academic Studies
5.	IMDS50	Media Research	(I22) Engineering Management, Specialised Academic Studies
6.	MM008	Audiovisual and media production	(I20) Engineering Management, Specialised Professional Studies
7.	MM014	Marketing and Public Relations	(I20) Engineering Management, Specialised Professional Studies
8.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
9.	IM2814	Processing of images in media	(I20) Engineering Management, Master Academic Studies
10.	IM2818	The organization of media production	(I20) Engineering Management, Master Academic Studies
11.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
12.	IMDR49	Media Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
13.	IMDR50	Media Research	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
14.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Radenković V., : Business practices in corporations of radio and television cable distribution programmes in Serbia, Journal for East European Management Studies (JEEMS), 2010, Vol.15, Issue 3, pp. 260-272, ISSN 0949-6181
2. Radenković, V., Radenković, M., Engus, K. (2010). Media and Social Responsible Business-A Serbian Model, African Journal of Business Management Vol.4 (15), November, 2010
3. PIP-A New Adaptive Filter for Noise Suppression in Still Images, V. Milošević, V. Crnojević, V. Radenković, V. Šenk, Facta Universitatis Series: Electronics and Energetics vol. 10, No. 1 (1997), 139-152.
4. V. Radenkovic, M. Temerinac, N. Teslic, M. Popovic: A Noise Reduction Algorithm Suitable for Hardware Implementation, JRE-Journal of Radio Electronics N10 Okt. 2003.
5. N. Teslić, V. Radenković, S. Crnogorac, Camera Object Tracking Fast Algorithm Advanced Concepts for Intelligent Vision Systems (ACIVS 2003) Ghent Belgium 2003., pp 188-193.
6. Camera Real-Time Human Tracking, N. Teslić,V. Radenković, D. Kukolj, M. Popović MIPRO 2004 Opatija, Croatia, pp.130-134
7. Dubravko Ćulibrk, Vladimir Radenković: Enhancing Video Object Segmentation Results Through Biologically Inspired Postprocessing, Daniel Socek TELSIKS 2007 Niš
8. Media Education – a Path for Acquiring Competences, Vladimir Radenković, Tehnologija, Informatika i Obrazovanje za društvo učenja i znanja, Peti međunarodni simpozijum TIO5, Novi Sad, 19.-20. jun 2009.

Representative refferences (minimum 5, not more than 10)	
9.	The Media Supporting an Integrated Economic Performance, Biljana Ratković Njegovan, Vladimir Radenković, International Scientific Conference on Industrial System-IS 08, Novi Sad: 02-03 Oktobar, 2008, str. 715- 722, UDK: 685.5(082), ISBN 978-86-7892-135-3.
10.	Radio i televizijska produkcija, Radenković Vladimir, Novi Sad, FTN-Izdavaštvo, 2008. 143str., UDK: 654.17/.19(075.8), ISBN 978-86-7892-139-1.

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Radišić M. Mladen
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2008
Scientific or art field:	Production Systems, Organization and Management

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

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

	ID	Course name	Study programme name, study type
1.	IM1406	Investments Risk Management	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1412	Fundamentals of technology investments	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1420	Investments in innovation systems	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1421	Public sector management	(I20) Engineering Management, Undergraduate Academic Studies
5.	M3499	Energy markets	(M30) Energy and Process Engineering, Undergraduate Academic Studies
6.	I075/S	Selected chapters of portfolio management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
7.	IM001	Modern aspects of financial markets	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
8.	IM005	International financial transactions	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
9.	IMDS47	Behavioral Corporate Finance	(I22) Engineering Management, Specialised Academic Studies
10.	IMDS87	Financial engineering of public sector	(GI0) Geodesy and Geomatics, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
11.	SZP003	Selected Chapters in Applied Management	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
12.	IM007	Modern aspects of public sector systems	(I20) Engineering Management, Specialised Professional Studies
13.	IM2407	International business and finance	(I20) Engineering Management, Master Academic Studies
14.	IM2413	Enterprise portfolio management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
15.	IM2415	Investment Environment	(M50) Energy Management, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
16.	IM2416	Quantitative methods of risk management	(I20) Engineering Management, Master Academic Studies
17.	IM2422	Business case study solving	(I20) Engineering Management, Master Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
18.	IM2423	Energy markets	(M50) Energy Management, Master Academic Studies
19.	IMDR87	Financial engineering of public sector	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Radišić M., Nedeljković A.: 5C Model - Business case study solving methodology, The New Educational Review, 2012, Vol. 27, No 1, pp. 19-30, ISSN 1732-6729
2.	Sando S., Radišić M., Dobromirov D.: Emerging markets - Galapagos for behavioral financial research (in print), Actual Problems of Economics, 2012, ISSN 1993-6788
3.	Dobromirov D., Radišić M., Kupusinac A.: Emerging markets arbitrages' perception: Risk versus growth potential, African Journal of Business Management, 2011, Vol. 5, No 3, pp. 713-721, ISSN 1993-8233
4.	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
5.	Marić B., Dobromirov D., Radišić M.: Researching the dependence between the dynamic indicators of investment profitability, African Journal of Business Management, 2011, Vol. 5, No 13, pp. 5076-5082, ISSN 1993-8233
6.	Radišić M., Marić B., Dobromirov D.: SMEs and entrepreneurs investments' profitability effects within the transition period in the Republic of Serbia, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2654-2659, ISSN 1993-8233
7.	Dobromirov D., Radišić M., Kupusinac A., Marić B.: Emerging Markets Unidirectional Sensitivity Coefficient as an Indicator in Portfolio Investors' Decision Making , International Journal of Industrial Engineering and Management - IJIEM, 2010, Vol. 1, No 2, pp. 63-68, ISSN 2217-2661
8.	Radišić M.: Uređivanje časopisa International Journal of Industrial Engineering and Management, International Journal of Industrial Engineering and Management - IJIEM, 2012, Vol. 3, No I - IV, ISSN 2217-2661
9.	Radišić M., Ferenčak M., Igor S., Stankovski S., Dobromirov D.: Harmonization of the Republic of Serbia tax system with the tax system of the European Union, 8. Augustin Cournot Doctoral Days, Strasbourg: University of Strasbourg, 13-15 April, 2011, pp. 15-15
10.	Dobromirov D., Radišić M., Šenk V.: Attractiveness of Serbia for venture capital, 3. International Conference for Entrepreneurship, Innovation and Regional Development ICEIRD, Novi Sad: University of Novi Sad, Faculty of Technical Sciences, IEM Department, 27-29 Maj, 2010, pp. 219-226, ISBN 978-86-7892-250-3

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	1	International :	2

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Rajković R. Milan
Academic title:	Senior Science Associate
Name of the institution where the teacher works full time and starting date:	Vinča Institute of Nuclear Sciences - Vinča
	01.01.2000
Scientific or art field:	Physical Science

Academic carieer	Year	Institution	Field
Academic title election:	2005	Vinča Institute of Nuclear Sciences - Vinča	Physical Science
PhD thesis	1997	University of Belgrade - Beograd	Physics
Magister thesis	1983	University of Pennsylvania - Tennessee	Physics
Bachelor's thesis	1982	University of Pennsylvania - Tennessee	Physics

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

	ID	Course name	Study programme name, study type
1.	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.	D. Horak, S. Maletić, M. Rajković, Persistent Homology of Complex Networks, Journal of Statistical Mechanics and Applications (2009) P03034.
2.	Milan Rajković, M.M. Škorić, K. Sølna and G. Antar, Characetrization of Local Turbulence in Magnetic Confinement Devices, Nuclear Fusion 48 (2008) 1-13.
3.	Mladen Nikolić and Milan Rajković, A group theoretic approach to a class of third-order differential equations with two parameter symmetry group solvable by quadratures, Nonlinear Dynamics 48 (2007) 17-27.
4.	Mladen Nikolić and Milan Rajković, Bifurcations in Nonlinear Models of Fluid Conveying Pipes, Journal of Fluids and Structures, 22 (2006),
5.	Z. Mihailović and M. Rajković, Cooperative Parrondo's games on a two-dimensional lattice, Physica A 365 (2006) 244-251
6.	Milan Rajković, Tomo-hiko Watanabe and M.M. Škorić, Level crossing function in the Analysis of Confined Plasma Turbulence, Nuclear Fusion 49 (2009) 095016i
7.	Milan Rajković and M.M. Škorić, Characterization of Intermittency in Plasma Edge Turbulence; Contributions to Plasma Physics 48 (2008) L31-L35.
8.	M. Rajković, Nonextensive entropy as a measure of time series complexity, Physica A 340 (2004) 327-333
9.	M. Rajković and Z. Mihailović, Quantifying Complexity in the Minority Game, Physica A 325 (2003) 40 - 47
10.	Z. Mihailović and M. Rajković, One-dimensional Asynchronous Cooperative Parrondo's Games, Fluctuation and Noise Letters 3 (2003) L389 - 398

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

Quotation total :	100			
Total of SCI(SSCI) list papers :	22			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Ralević M. Nebojša
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1990
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1997	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1994	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1990	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	H103	Mathematics 1	(H00) Mechatronics, Undergraduate Academic Studies
2.	H107	Mathematics 2	(H00) Mechatronics, Undergraduate Academic Studies
3.	M4201	Mathematics 3	(M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
4.	M4202	Applied Mathematical Analysis	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
5.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
6.	0M502	Partial Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
7.	0M508	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0M517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML502	Partial Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0ML508	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Master Academic Studies
11.	0ML517	Numerical Analysis	(OM1) Mathematics in Engineering, Master Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
13.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
14.	Z506	Viši kurs matematike 1(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	D0M02	Partial Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M38	Non-linear Equations and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	D0M39	Optimization Methods and Mathematical Modelling	(OM1) Mathematics in Engineering, Doctoral Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
20.	DOM54	Computational geometry	(F20) Engineering Animation, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DOM55	Pattern Recognition	(F20) Engineering Animation, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
22.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	E. Pap, N. Ralević, Pseudo-Laplace transform, Nonlinear Analysis: Theory Methods and Applications, 33 (1998), 533-550.
2.	N. M. Ralević, Lj. M. Nedović, T. Grbić, The pseudo-linear superposition principle for nonlinear partial differential equations and representation of their solution by the pseudo-integral, Fuzzy Sets and Systems 155 (2005) 89-101.
3.	Lj. M. Nedović, N. M. Ralević, T. Grbić,Large deviation principle with generated pseudo measures,Fuzzy Sets and Systems 155 (2005) 65-76.
4.	T. Lukić, N. M. Ralević, Geometric Mean Newton"s Method for Simple and Multiple Roots, Applied Mathematics Letters (accepted).
5.	N. M. Ralević,One characterization of Navier-Stokes equation, Acta Mechanica Slovaca, Košice, ročnik 8., č. 4/2004, str. 97-102.
6.	N. Ralević, Some new properties of g-calculus, Univ. u Novom Sadu Zb. Rad. Prirod.-Mat. Fak. Ser. Mat. 24, 1 (1994), 139-157.
7.	E. Pap, N. Ralević, Pseudo operations on finite intervals, Novi Sad J. Math. Vol. 29, No. 1, 1999, 1-6
8.	N. M. Ralević, A generalization of the Pseudo-Laplace transform, Novi Sad J. Math. Vol. (accepted).
9.	I. Kovačević, N. Ralević, Funkcionalna analiza, Edicija tehničke nauke, Novi Sad (2004), 203 str.
10.	I. Kovačević, N. Ralević, Matematička analiza I (uvodni pojmovi i granični procesi), Novi Sad (2000), 155 str.

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

Quotation total :	28			
Total of SCI(SSCI) list papers :	10			
Current projects :	Domestic :	2	International :	0

Science, arts and professional qualifications

Name and last name:	Ratković-NJegovan M. Biljana
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Media Engineering and Management

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Media Engineering and Management
PhD thesis	2003	University of Novi Sad - Novi Sad	Social Science
Magister thesis	1985	Essex university - Nepoznato	Social Science
Bachelor's thesis	1980	Faculty of Political Sciences - Beograd	Political Science

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

	ID	Course name	Study programme name, study type
1.	I409	Psychology in Management	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	IM1820	The theory and practice of organizational socialization	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1920	Organizational socialization	(I20) Engineering Management, Undergraduate Academic Studies
4.	HR015	Ethical and legal aspects of human resources	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
5.	I077/S	Ethics in Education	(I20) Engineering Management, Specialised Professional Studies
6.	MM004	Theory and Practice of Media Communication	(I20) Engineering Management, Specialised Professional Studies
7.	URZP64	The role of media in reducing the risk	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
8.	IM2218	Entrepreneurship in creative industries	(I20) Engineering Management, Master Academic Studies
9.	IM2822	Mass Communications Research	(I20) Engineering Management, Master Academic Studies
10.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
11.	MM016	MEDIA ORGANISATION AND MANAGEMENT	(I20) Engineering Management, Specialised Professional Studies
12.	IMDR76	Selected topics in industrial marketing and media engineering	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Ratković Njegovan, B. Teorija političke javnosti. (2004). Sremski Karlovci: Kairos.
2. Ratković Njegovan, B.. Merenje RTV auditorijuma i vrednovanje programa. (2005), Link, br. 32, Link – dodatak.
3. Ratković Njegovan, B. Mediji i auditorijum. (2007). Link, br. 58, god. VI, pp. 23–26.
4. Ratkov-NJegovan B.: Evropska javna sfera i mediji. (2008). Link, br. 65, god. VII, Link – dodatak.
5. Grubić-Nešić, L., Vranješ, S., Ratković Njegovan, B., Mitrović, S. (2012). Atitudes of the employees about the organizational restructuring: a sample of organizations in Serbia. Metalurgia international 12(17). ISSN: 1582-2214
6. Ratković Njegovan, B., Crnomarković, M.. (2012). School management in Serbia: Key Aspects of its Relation to School Success. Journal for East European Management Studies, 17(29, 184–205.
7. Ratković Njegovan, B., Vukadinović, M., Grubić Nešić, L. (2011). Characteristics and Types of Authority: the Attitudes of Young People. A Case Study. Sociológia / Slovak Sociological Review, 43, 657-673. ISSN: 0049-1225.
8. Ratković Njegovan, B., Radenković. V. (2010). Kablovski distribucioni sistemi u Srbiji: Izlazak iz sive zone poslovanja. Zbornik Matice srpske za društvene nauke, 131, 97–110. ISSN: 0352-5732/UDK 3(05).
9. Ratković Njegovan B., Šiđanin. I. (2011). Media and Creative Industries: The value of Creative Content In: XV International Scientific Conference on Industrial Systems – IS 11). Novi Sad: Faculty of Technical Sciences, Department of Industrial Engineering and Management, 583-587. ISBN: 978-86-7892-341-8.
10. Ratković Njegovan, B., Đurašković, D., Kostić, B. (2011). Creative Portfolio Strategy as a Model of Management in Media Company: An Example of Public Broadcasting. Journal of Engineering Management and Competitiveness (JEMC), 2(1), 6-10.

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	1	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Sakulski M. Dušan
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2007
Scientific or art field:	Environment Protection Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	2002	WITS University - Johannesburg	Environment Protection Engineering
Bachelor's thesis	1982	Faculty of Civil Engineering - Beograd	Civil Engineering
Magister thesis	-		Civil Engineering

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

	ID	Course name	Study programme name, study type
1.	URZP23	Applied Information Technologies	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP36	Risks in Manipulating Hazardous Substances	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	URZP41	Disasters and Vulnerability	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	URZP44	Application of geoinformation technology in risk management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP46	Cycle Elements of Catastrophic Events	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	URZP56	Fundamentals of Risk and Fire Protection Management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	Z415	Accidental Risks Management	(Z20) Environmental Engineering, Undergraduate Academic Studies
8.	Z511P	Institutional Framework in Risk Management	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
9.	Z307	Modelovanje i simulacija u IZŽS(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
10.	Z409A	Upravljanje opasnim otpadom(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
11.	Z415	Upravljanje akcidentalnim rizicima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Undergraduate Academic Studies
12.	ZC047	Waste to energy tehnologies	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
13.	ZP515	Qualitative and quantitative methods of risk management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
14.	Z510	Upravljanje akcidentalnim rizicima i životna sredina(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
15.	Z511	Institucionalni okviri upravljanja akcidentnim rizicima(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
16.	ZP501	Integrated Natural Disaster Risk Management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
17.	IM2707	Methods for the analysis of insurance risk	(I20) Engineering Management, Master Academic Studies
18.	IM2714	Disaster risk management cycle	(I20) Engineering Management, Master Academic Studies
19.	IM2715	Modeling and simulation in risk management	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
20.	IMDS72	Advanced risk assessment methods	(I22) Engineering Management, Specialised Academic Studies
21.	MPK009	Enviromental hazards	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
22.	MPK012	Solid waste management	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
23.	MPK014	Monitoring and system control	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
24.	MPK019	Disaster risk management	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
25.	ZCM06	Security of strategic energy facilities	(ZC0) Clean Energy Technologies, Master Academic Studies
26.	IMDR72	Advanced risk assessment methods	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
27.	ZRD233	Selected topics in the field of insurance from the standpoint of safety and health at work	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Marjanovic P., Miloradov M., Cukic Z., Sakulski D., Bogdanovic S.: "Integrated cadastre (Inventory System) for pollution sources in the Danube Basin in Yugoslavia", Water Science and Technology, Vol. 32 No 5-6 pp 265-275, IWA Publishing 1995
2.	Sakulski D.: "Web-enabled GIS in Disaster Management", The Global Magazine for Geomatics, May 2005, Volume 19, Number 5
3.	Sakulski D.: "Implementation of the multi-software solution for the on-the-fly calculation of the Standardized Precipitation Index (SPI) as a drought indicator for South African environment" ENVIROSOFT 2000, 2000, Bilbao, Spain
4.	Sakulski D., "Development and implementation of a database driven web-enabled integrated system for air quality observation and analysis", International Conference on Air Pollution, 2001, Ancona, Italy
5.	Sakulski D. Stephenson D, Marjanovic P.: "WebMathematica as a Core Service for the Calculation of the Drought Indicator for South Africa", The 5th International Mathematica Symposium, 2003, London, UK
6.	Sakulski D.: "South African National Disaster Hazard and Vulnerability ATLAS", International Conference on Disasters and Society – From Hazard Assessment to Risk Reduction, 2004, Karlsruhe, Germany
7.	Sakulski D.: "Geo-Information as an Integral Component of the National Disaster Hazard and Vulnerability ATLAS", First International Symposium on Geo-Information for Disaster Management, 2005, Delft, Netherlands
8.	Sakulski D.: "Analiza zaustavnog puta u funkciji merodavnog vozila", Put i saobraćaj, 1984
9.	Sakulski D.: "Ojačanje kolovoza upotrebom FW deflektometra", Put i saobraćaj, 1986
10.	Sakulski D., Katic Z.: "Klasifikacija oštećenja kolovoza", Put i saobraćaj, 1986

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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Satarić V. Miljko
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	03.01.1973
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	1995	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	1984	School of Electrical Engineering - Beograd	Physics
Magister thesis	1979	School of Electrical Engineering - Beograd	Physics
Bachelor's thesis	1972	Faculty of Sciences - Novi Sad	Physics

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

	ID	Course name	Study programme name, study type
1.	E103	Physics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
2.	E215	Physics	(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	Z103	Selected Chapters in Physics 1	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
4.	Z110	Selected Chapters in Physics 2	(Z01) Safety at Work, Undergraduate Academic Studies (Z20) Environmental Engineering, Undergraduate Academic Studies
5.	EI410	Biophysics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
6.	DE203S	Odabrana poglavlja iz kvantne elektronike	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
7.	DE301S	Molekularna elektronika(uneti naziv na engleskom)	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
8.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
9.	EM511	Quantum and Organic Electronics	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	SI028	Biophysics	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
11.	DE203	Selected Chapters in Quantum Electronics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
12.	DE301	Molecular Electronics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

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

Representative refferences (minimum 5, not more than 10)

1.	S. Zdravković, M.V. Satarić, “Single-Molecule Unzipping Experiments on DNA Peyrard-Bishop-Dauxois Model”,Phys.Rev.E73,021905-11,2006.
2.	J. A. Tuszynski, J. A. Brown, E. Crawford, E. J. Carpenter, M. L. A. Nip, J. M. Dixon, M. Satarić, “Molecular dynamics simulations of tubulin structure and calculations of electrostatic properties of microtubules”, Mathematical and Computer Modelling, vol. 41, no.10, pp. 1055-1070, 2005.
3.	M. Satarić, B. Satarić, J. A. Tuszynski, “Nonlinear model of microtubule dynamics”, Electromagnetic Biology and Medicine, vol.24, no. 3, pp. 255-264, 2005.
4.	S. Zdravković J. A. Tuszynski, M. Satarić “Peyrard-Bishop-Dauxois model of DNA dynamics and impact of viscosity”, Journal of Computational and Theoretical Nanoscience, vol. 2, no. 2, pp. 263-271, 2005.
5.	S. Zdravković, M. Satarić, “Optical and Acoustical Frequencies in a Nonlinear Helicoidal Model of DNA Molecule”, Chinese Physics Letters 22, pp. 850-853, 2005.
6.	S. Portet, J. A. Tuszynski, J. M. Dixon, M. Satarić, “Models of spatial and orientational self-organization of microtubules under the influence of gravitational fields”, Physical Review E, vol. 68, no. 2, 2003.
7.	M. Satarić, J. A. Tuszynski, “Relationship between the nonlinear ferroelectric and liquid crystal models for microtubules”, Physical Review E, vol. 67, no. 1, 2003.
8.	S. Zdravković, M. Satarić, “DNA dynamics and big viscosity”, International Journal of Modern Physics B, vol.17, no. 31-32, pp. 5911-5923, 2003.
9.	M. Satarić, J. A. Tuszynski, “Impact of regulatory proteins on the nonlinear dynamics of DNA”, Physical Review E, vol. 65, no. 5, 2002.
10.	G. Keković, D. Raković, M. Satarić, D. Koruga, “A kink-soliton model of charge transport through microtabular cytoskeleton”, Current Research in Advanced Materials and Processes, vol. 494, pp. 507-512, 2005.

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

Quotation total :	295			
Total of SCI(SSCI) list papers :	67			
Current projects :	Domestic :	1	International :	2

Science, arts and professional qualifications

Name and last name:	Sladoje Matić I. Nataša
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	14.03.1994
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2011		Mathematics
PhD thesis	2005	University of Novi Sad - Novi Sad	Mathematical Sciences
Magister thesis	1998	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1992	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	A101	Mathematics	(A00) Architecture, Undergraduate Academic Studies
2.	E135B	Mathematical Analysis 2	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	GI107	Mathematical Analysis 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	IAM001	Mathematical Shape Modeling for Computer Animation	(F10) Engineering Animation, Undergraduate Academic Studies
5.	IAM004	Geometry of Discrete Space	(F10) Engineering Animation, Undergraduate Academic Studies
6.	IGA008	Mathematics for Engineering Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	BMI91	Mathematics 1	(BM0) Biomedical Engineering, Undergraduate Academic Studies
8.	BMI92	Mathematics 2	(BM0) Biomedical Engineering, Undergraduate Academic Studies
9.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
11.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
12.	IA018	Computer Geometry	(F20) Engineering Animation, Master Academic Studies
13.	D0M28	Digital Geometry	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M29	Image Processing 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	D0M30	Image Processing 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	D0M31	Applied Algorithms	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M32	Combinatorial and Geometric Algorithms	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M33	Positional Games	(OM1) Mathematics in Engineering, Doctoral Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
19.	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
20.	AID07	Digital geometry	(F20) Engineering Animation, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Sladoje N., Lindblad J., Nystrom I.: Defuzzification of spatial fuzzy sets by feature distance minimization. , Image and Vision Computing, 2011, Vol. 29, No 2-3, pp. 127-141, ISSN 0262-8856
2.	Lukić T., Lindblad J., Sladoje N.: Regularized Image Denoising Based on Spectral Gradient Optimization, Inverse Problems, 2011, Vol. 27, No 8, pp. 8501-1, ISSN 0266-5611
3.	Sladoje N., Lindblad J.: High precision boundary length estimation by utilizing grey-level information , IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, Vol. 31, No 2, pp. 357-363, ISSN 0162-8828
4.	N. Sladoje and J. Lindblad, "Representation and Reconstruction of Fuzzy Disks by Moments", Fuzzy Sets and Systems, Vol. 158, No. 5, pp. 517-534, 2007.<\eng>
5.	N. Sladoje, I. Nyström, and P.K. Saha, "Measurements of digitized objects with fuzzy borders in 2D and 3D", Image and Vision Computing, vol. 23, pp 123-132, 2005.<\eng>
6.	J. Zunic and N. Sladoje, "Efficiency of Characterizing Ellipses and Ellipsoids by Discrete Moments", IEEE Trans. Pattern Analysis and Machine Intelligence, vol.22, No.4, pp 407-414, 2000.<\eng>
7.	J. Chanussot, I. Nyström and N. Sladoje, "Shape signatures of fuzzy star-shaped sets based on distance from the centroid", Pattern Recognition Letters, vol. 26(6), pp. 735-746, 2005.<\eng>
8.	Ćurić,V., Lindblad, J., Sladoje, N., Sarve, H., Borgefors, B. A new set distance and its application to shape registration. Accepted for Pattern Analysis and Applications, 2012.
9.	Lindblad L., Sladoje N. Coverage Segmentation based on Linear Unmixing and Minimization of Perimeter and Boundary Thickness. Pattern Recognition Letters, Vol. 33, No.6, pp. 728-738, 2012.
10.	Malmberg F., Lindblad J., Sladoje N., Nystrom I.: A graph-based framework for sub-pixel image segmentation, Theoretical Computer Science, 2011, Vol. 412, No 15, pp. 1338-1349

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

Quotation total :	71			
Total of SCI(SSCI) list papers :	21			
Current projects :	Domestic :	2	International :	3

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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
2.	Elementi savremenog pristupa planiranju efektivne proizvodnje i pripremi procesa rada – upravljanje konfiguracijama sistema.
3.	Darko Stefanović, Milan Mirkovic, Andras Anderla, Miodrag Drapsin, Patrik Drid, Izet Radjo (2011). Investigating ERP systems success from the end user perspective, TTEM - Technics Technologies Education Management, Bosnia and Herzegovina, ISSN 1840-1503, Volume 6/Number 4/2011, p. 1089-1099, IF 0,351.

Representative refferences (minimum 5, not more than 10)

4.	Darko Stefanović, Miodrag Drapšin, Jelena Nikolić, Danijela Šćepanović, Izet Radjo, Patrik Drid (2011). Empirical study of student satisfaction in e-learning system environment, TTEM - Technics Technologies Education Management, Bosnia and Herzegovina, ISSN 1840-1503, Volume 6/Number 4/2011, p. 1152-1164, IF 0,351.
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.
6.	Luković Ivan, Ristić Sonja, Stefanović Darko, Rakić Marija:Osnove racunarskih tehnologija i programiranje, FTN Izdavaštvo, Novi Sad, 2007., Univerzitet u Novom Sadu – Fakultet tehničkih nauka, Edicija Tehničke nauke – udžbenici, ISBN 978-86-7892-087-5, COBISS.SR-ID 228166407
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:	Stojaković M. Mila
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.12.1975
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	1993	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	1980	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	1978	Faculty of Mathematics - Beograd	Mathematical Sciences
Bachelor's thesis	1975	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	E121	Mathematical Analysis 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E135	Probability, Statistics and Stochastic Processes	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	E221A	Mathematical Analysis 2	(E20) Computing and Control Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
4.	E224A	Probability and Stochastic Processes	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies (SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
5.	ZC006	Probability, Statistics and Random Processes	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	0M504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
7.	0M505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
8.	0ML504	Operational Research	(OM1) Mathematics in Engineering, Master Academic Studies
9.	0ML505	Stochastic Processes	(OM1) Mathematics in Engineering, Master Academic Studies
10.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
11.	IAM005	Mathematical Game Theory	(F20) Engineering Animation, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies
12.	SD0M03	Operational Research	(GI0) Geodesy and Geomatics, Specialised Academic Studies
13.	SD0M15	Statistics	(GI0) Geodesy and Geomatics, Specialised Academic Studies
14.	ZR503	Statistical Advanced Models	(Z01) Safety at Work, Master Academic Studies
15.	D0M03	Operational Research	(OM1) Mathematics in Engineering, Doctoral Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
16.	D0M04	Random Processes	(OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	D0M15	Statistics	(OM1) Mathematics in Engineering, Doctoral Academic Studies
18.	D0M27	StatisticsApplied in Engineering	(OM1) Mathematics in Engineering, Doctoral Academic Studies
19.	DAU004	Selected Chapters in Mathematics 2	(E20) Computing and Control Engineering, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies
20.	DOM59	Fixed point theory	(OM1) Mathematics in Engineering, Doctoral Academic Studies
21.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (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.	Mila Stojaković, Decomposition and representation of fuzzy valued measure, Fuzzy Sets and Systems, 112(2000) 251-256
2.	Mila Stojaković, Fuzzy conditional expectation, Fuzzy Sets and Systems, 52(1992) 49-54
3.	Mila Stojaković, Fuzzy random variable, expectation, martingales, J.Math.Anal.Appl., 184(1994) 594-606.
4.	Mila Stojaković, Fuzzy martingales, Stochastic Analysis and Applications, 14(1996), 355-368.
5.	Mila Stojaković, Zoran Stojaković, Support function for fuzzy set, Proceedings of Royal Society, London A, 452(1996), 421-438.
6.	Mila Stojaković, Zoran Stojaković, Addition and series of fuzzy sets, Fuzzy Sets and Systems, 83(1996) 341-346.
7.	Mila Stojaković, Representation of fuzzy valued mappings, Fuzzy Sets and Systems, 98(1998) 375-381.
8.	Mila Stojaković, Fuzzy valued measure, Fuzzy Sets and Systems,65(1994) 95-104 .
9.	Mila Stojaković, Common fixed point theorems in complete metric and probabilistic spaces,Bull. Australian Math. Soc.,36(1987)73-88.
10.	Mila Stojaković, Zoran Ovcin,Fixed point theorems and variational principle..., Fuzzy Sets and Systems, 66(1994)353-356.

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

Quotation total :	71			
Total of SCI(SSCI) list papers :	16			
Current projects :	Domestic :	1	International :	1

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	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)

1. Ignjatović I., Komenda T., Šešlija D., Malisa V.: Optimisation of compressed air and electricity consumption in a complex robotic cell, Robotics and Computer-integrated Manufacturing, 2012, ISSN 0736-5845
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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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.	Šević D., Uščebrka G., Milisavljević S., Brkljač N.: MODEL VREDNOVANJA ZNAČAJNOSTI UTICAJA NA ŽIVOTNU SREDINU SA STANOVNIŠTVA ZAHTEVA STANDARDA ISO 14001:2004, UDK: 658.5
5.	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
6.	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
7.	D. Šević, I. Beker, S. Milisavljević „Uporedna analiza zahteva standarda ISO 14001:2004 i standarda ISO 14001:1996“, Menadžment totalnim kvlaitetom & izvrsnost – European Quality Week, Novi Sad, October 31st - November 2nd 2006
8.	RAZVOJ MODELA INTEGRALNOG SISTEMA, Novi Sad, 2004
9.	RAZVOJ MODELA UPRAVLJANJA LOGISTIČKIM PROCESIMA NA BAZI PROCESNOG PRILAZA, ODRŽIVOG RAZVOJA I SISTEMA UPRAVLJANJA ZAŠTITOM ŽIVOTNE SREDINE
10.	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

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:	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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Teofanov Đ. Ljiljana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	18.12.1995
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Mathematics
PhD thesis	2008	Faculty of Sciences - Novi Sad	Mathematical Sciences
Magister thesis	2000	Faculty of Sciences - Novi Sad	Mathematical Sciences
Bachelor's thesis	1994	Faculty of Sciences - Novi Sad	Mathematical Sciences

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

	ID	Course name	Study programme name, study type
1.	A101	Mathematics	(A00) Architecture, Undergraduate Academic Studies
2.	EE204	Selected Chapters in Mathematics	(MR0) Measurement and Control Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	GG00	Mathematical Methods 1	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GI101	Algebra	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	IAM001	Mathematical Shape Modeling for Computer Animation	(F10) Engineering Animation, Undergraduate Academic Studies
6.	M102	Mathematics 1	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
7.	M106	Mathematics 2	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies
8.	E101A	Discrete Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	IM1523	Discrete Mathematics	(M30) Energy and Process Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
10.	P216	Numerical Analysis	(P00) Production Engineering, Undergraduate Academic Studies
11.	SE0009	Discrete Mathematics	(SE0) Software Engineering and Information Technologies, Undergraduate Academic Studies (SEL) Software Engineering and Information Technologies - Loznica, Undergraduate Academic Studies
12.	DZ01MS	Selected Chapters in Mathematics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
13.	IA022	Numerical Optimization	(F20) Engineering Animation, Master Academic Studies
14.	D0M48	Numerical Methods for Solving Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	DZ01M	Selected Chapters in Mathematics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Surla, K., Teofanov, Lj., Uzelac, A Robust Layer-Resolving Spline Collocation Method for a Convection-Diffusion Problem, Applied Mathematics and Computation,(2009), 208(1): 76-89
2. Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters II: robust finite element solution, J. Comput. Appl. Math. Vol. 212, 2008, 374-389
3. Teofanov, Lj., Roos, H. -G, An elliptic singularly perturbed problem with two parameters I: solution decomposition, J. Comput. Appl. Math. Vol. 206, 2007, 1082-1097
4. Surla, K., Uzelac, Z., Teofanov, Lj., The discrete minimum principle for quadratic spline discretization of a singularly perturbed problem, Math. Comput. Simul. 2009, Vol. 79, No 8, pp.2490-2505
5. Teofanov, Lj., Zarin, H., Superconvergence for two-parameter singularly perturbed problem, BIT Numerical Mathematics, Vol. 49, No. 4, 2009, 743-765
6. Vulanović, R., Teofanov, Lj., A uniform numerical method for semilinear reaction-difusion problems with a boundary turning point, Numer. Algor. 54, 2010, 431-444
7. Teofanov, Lj., Uzelac, Z., Family of Quadratic Spline Difference Schemes for a Convection-Diffusion Problem, Int. J. Comput. Math., Vol. 84, No. 1, 2007, 33-50
8. Surla, K., Uzelac, Z., Teofanov, Lj., On collocation methods for singular perturbation problems of convection-diffusion type, Novi Sad J. Math, Vol. 31, No. 1, 2001, 125-132
9. Surla, K., Uzelac, Z., Pavlović, Lj., On collocation methods for singular perturbation problems, Novi Sad J. Math., Vol. 30, No. 3, 2000, 173-183
10. Čomić, I., Pavlović, Lj., Funkcije više promenljivih, Fakultet tehničkih nauka, Novi Sad, 2000, 95 str.

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

Quotation total :	12			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	1	International :	0

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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. Golišin, 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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

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 konferncija 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:	Vilotić Ž. Dragiša
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.1975
Scientific or art field:	Plastic Deformation Technology, Rapid Prototyping, Virtual

Academic carieer	Year	Institution	Field
Academic title election:	1998	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
PhD thesis	1986	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Magister thesis	1981	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual
Bachelor's thesis	1974	Faculty of Technical Sciences - Novi Sad	Plastic Deformation Technology, Rapid Prototyping, Virtual

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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES Industrial Engineering / Engineering Management

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

	ID	Course name	Study programme name, study type
22.	SID04	Current State in the Field	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (F20) Engineering Animation, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies
23.	DP026	Modern methods for polymers investigation	(M00) Mechanical Engineering, Doctoral Academic Studies
24.	DP028	Theoretical basis for forming polymer technology	(M00) Mechanical Engineering, Doctoral Academic Studies
25.	SID04	Present State in the Field	(A00) Architecture, Doctoral Academic Studies (AS0) Scenic Design, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Essa K., Kačmarčik I., Hartley P., Plančak M., Vilotić D.: Upsetting of bi-metallic ring billets, Journal of Materials Processing Technology, 2012, Vol. 212, No 4, pp. 817-824, ISSN 0924-0136
2.	Alexandrov S., Vilotić D., Konjovoć Z., Vilotić M.: An Improved Experimental Method for Detrmining the Workability Diagram, Experimental Mechanics, 2012, Vol. 52, No 11340, ISSN 0014-4851
3.	Alexandrov S., Vilotić D.: A study on an effect of geometric singularities on ductile fracture , Engineering Fracture Mechanics, 2009, Vol. 76, No 14, pp. 2309-2315, ISSN 0013-7944
4.	Vilotić D., Plančak M., Čupković Đ., Aleksandrov S., Aleksandrov N.: Free Surface Fracture in Three Upsetting Tests , Experimental Mechanics, 2006, Vol. 46, pp. 115-120, ISSN 0014-4851
5.	Plančak M., Hartley P., Esssa K., Vilotić D., Movrin D., Lužanin O.: Deformation analysis during bi-metallic coining operations, Steel Research International, 2012, pp. 1247-1250, ISSN 1611-3683
6.	Vilotić D., Alexandrov S., Plančak M., Vilotić M., Ivanišević A., Kačmarčik I.: Material Formability at Upsetting by Cylindrical and Flat Dies, Steel Research International, 2012, pp. 1175-1178, ISSN 1611-3683
7.	Vilotić D., Alexandrov S., Plančak M., Movrin D., Ivanišević A., Vilotić M.: Material Formability of Upsetting by V-Shape Dies , Steel Research International, 2011, pp. 923-928, ISSN 1611-3683
8.	Lyamina E., Alexandrov S., Vilotić D., Movrin D.: Effect of Shape of Samples on Ductile Fracture Initiation in Upsetting, Steel Research International, 2010, Vol. 9, No 81, pp. 306-3090, ISSN 1611-3683
9.	D. Vilotić, D. Milikić, M. Plančak, M. Milutinović: Obrazovanje inženjera proizvodnog mašinstva iz oblasti oblikovanja plastike na Fakultetu tehničkih nauka u Novom Sadu, 4. kongres inženjera plastičara i gumara K – IPG 2006., zbornik na CDu, ppt 100 slajdova, Vršac, 13-16. juni 2006.
10.	Obradović R., Vilotić D.: Prikaz tehnologije i opreme za za ultrazvučno zavarivanje termoplastičnih komponenata, Zbornik radova MMA 2006, strana 27-28, FTN, Novi Sad, juni 2006.

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

Quotation total :	17			
Total of SCI(SSCI) list papers :	15			
Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Vojinović-Miloradov B. Mirjana
Academic title:	Emeritus Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.2000
Scientific or art field:	Environment Protection Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2008	Faculty of Technical Sciences - Novi Sad	Environment Protection Engineering
PhD thesis	1976	Faculty of Technology - Novi Sad	Technological Engineering
Magister thesis	1971	Faculty of Technology - Novi Sad	Technological Engineering
Bachelor's thesis	1963	Faculty of Technology - Novi Sad	Technological Engineering

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

	ID	Course name	Study programme name, study type
1.	Z503	Practical Course in Environment Protection	(Z20) Environmental Engineering, Master Academic Studies
2.	Z507	Physical and Chemical Principles	(Z20) Environmental Engineering, Master Academic Studies
3.	Z510	Accidental Risk Management and the Environment	(OM1) Mathematics in Engineering, Master Academic Studies (Z01) Safety at Work, Master Academic Studies (Z20) Environmental Engineering, Master Academic Studies
4.	ZR504	Protection against Chemical Harms, Fire and Explosion	(OM1) Mathematics in Engineering, Master Academic Studies
5.	Z507	Fizičko hemijski principi(uneti naziv na engleskom)	(Z20) Environmental Engineering, Master Academic Studies
6.	IM2819	Industrial eco-marketing	(I20) Engineering Management, Master Academic Studies
7.	IMDS82	Industrial eco-marketing management	(I22) Engineering Management, Specialised Academic Studies
8.	MPK005	Analysis of environmental protection systems	(MPK) Inženjerstvo tretmana i zaštite voda - TEMPUS(uneti naziv na engledskom), Master Academic Studies
9.	SZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	(Z00) Environmental Engineering, Specialised Academic Studies
10.	SZDO03	Applied Analysis of Physical and Chemical Parameters	(Z00) Environmental Engineering, Specialised Academic Studies
11.	SZSP09	Remediation of contaminated locations	(Z00) Environmental Engineering, Specialised Academic Studies
12.	ZR504A	Chemical risk assessment of fire and explosion	(Z01) Safety at Work, Master Academic Studies
13.	ZD050	Transport and distribution of pollutants in heterogeneous multicomponent systems	(Z00) Environmental Engineering, Doctoral Academic Studies
14.	ZDO03	Applied Analysis of Physical and Chemical Parameters	(OM1) Mathematics in Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies
15.	ZSP09	Remediation of Contaminated Sites	(Z00) Environmental Engineering, Doctoral Academic Studies
16.	IMDR82	Industrial eco-marketing management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Sonja Kaišarević, Nebojša Andrić, Stanka Bobić, Jelena Tričković, Ivana Teodorović, Mirjana Vojinović-Miloradov, Radmila Z. Kovačević, Detection of Dioxin-like Contaminants in Soil from the Area of Oil Refineries in Vojvodina Region of Serbia, Bulletin of Environmental Contamination and Toxicology (2007), online, 10.1007/s00128-007-9241-4
2.	S. Pavkov, M. Vojinović, D. Buzarov, RESIDUES OF PERSISTENT ORGANOCHLORINE COMPOUNDS IN SELECTED AQUATIC ECOSYSTEMS OF VOJVODINA, Wat. Sci. Tech., 22(5), 107-111 (1990)
3.	M. Vojinović-Miloradov, P. Marjanović, D. Buzarov, S. Pavkov, L. Dimitrijević, M. Miloradov, BIOACCUMULATION OF POLYCHLORINATED BIPHENYLS AND ORGANOCHLORINE PESTICIDES IN SELECTED FISH SPECIES AS AN INDICATOR OF THE POLLUTION OF AQUATIC RESOURCES IN VOJVODINA, YUGOSLAVIA, Wat. Sci. Tech., 26(9-11), 2361-2364 (1992)
4.	Turk M, Jakšić J, Vojinović Miloradov M, Klanova J, Post-war levels of persistent organic pollutants (POPs) in air from Serbia determined by active and passive sampling methods, Environ Chem Lett (2007), 5:109-113

Representative refferences (minimum 5, not more than 10)

5.	B.Škrbić, M.Vojinović-Miloradov, A CONTIBUTION TO THE QUALITATIVE GC ANALYSIS OF SOME NON-CHLORINATED XENOBIOTIC CHEMICALS IN WASTE WATERS, Wat.Sci.Tech., 30 (3) 91-93, 1994
6.	Kovačević R., Vojnović-Miloradov M., Teodorović I. and Andrić S. EFFECT OF PCBs ON ANDROGEN PRODUCTION BY SUSPENSION OF ADULT RAT LEYDIG CELLS in vitro. J Steroid Bioch Mol Biol .52(6): 595-597 (1995)
7.	Miloradov M., Jakšić J., Turk M., Popov S., Vojinović-Miloradov M.: Integralni katastar - harmonizacija zakonske regulative sa EU zakonodavstvom, rad po pozivu, 33. nacionalna konferencija o kvalitetu, zbornik radova, ISBN 86-80581-86-0, maj 2006., str. B-45 - B-48
8.	Vojinović Miloradov M., Chriastel R.,Miloradov M., Jakšić J., Turk M.,: Joint project Serbia and Slovakia on the institutional support of integrated water pollution control, 1. međunarodni kongres ,,Ekologija, zdravlje, rad, sport"", Zbornik apstrakata, Banja Luka, jun 2006., str. 66-67.
9.	Mlić N., Milanović M., Grujić Letić N.,Turk Sekulić M., Radonić (Jakšić) J., Mhajlović I., Vojinović-Miloradov M.: Occurrence of antibiotics as emerging contaminant substances in aquatic environment DOI: 10.1080/09603123.2012.733934, INT J ENVIRON. HEAL. R., 2012, pp. 1-15, ISSN 0960-3123
10.	Grujić Letić N., Mlić N., Turk Sekulić M., Radonić (Jakšić) J., Milanović M., Mhajlović I., Vojinović-Miloradov M.: Quantification of emerging organic contaminants in the Danube River samples by HPLC, Chemicke Listy, 2012, Vol. 106, pp. 264-266, ISSN 1213-7103

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

Quotation total :	120			
Total of SCI(SSCI) list papers :	25			
Current projects :	Domestic :	3	International :	3

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Vrgović D. Petar
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.2006
Scientific or art field:	Industrial Engineering and Engineering Management

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Industrial Engineering and Engineering Management
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Engineering Management
Magister thesis	2009	Faculty of Technical Sciences - Novi Sad	Production Systems, Organization and Management
Bachelor's thesis	2005	Faculty of Philosophy - Novi Sad	Psychological Science

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

	ID	Course name	Study programme name, study type
1.	I409	Psychology in Management	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	II934	Psichology of Work	(SII) Software and Information Technologies (Inđija), Undergraduate Professional Studies
3.	IM1017	Communicology	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1052	Engineering Ethics	(I20) Engineering Management, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	IM1621	Quality in individual work	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM1913	Research Methodology for Human Resources 1	(I20) Engineering Management, Undergraduate Academic Studies
7.	IM1915	Employee protection	(I20) Engineering Management, Undergraduate Academic Studies
8.	IM1918	Conflict Management	(I20) Engineering Management, Undergraduate Academic Studies
9.	IM1922	Value management	(I20) Engineering Management, Undergraduate Academic Studies
10.	IMDS11	Employees' creativity management	(I22) Engineering Management, Specialised Academic Studies
11.	MBA308	Business communication	(IB0) Engineering Management - MBA, Specialised Professional Studies
12.	NIT04	Communication Skills	(NIT) Industrial Engineering - Advanced Engineering Technologies, Master Academic Studies
13.	IM2214	Creative Problem Solving	(I20) Engineering Management, Master Academic Studies
14.	IM2917	Creative potentials management	(I20) Engineering Management, Master Academic Studies
15.	IM2918	Human Resources Research Methodology 2	(I20) Engineering Management, Master Academic Studies
16.	IM2920	Personnel Management	(M50) Energy Management, Master Academic Studies (I20) Engineering Management, Master Academic Studies
17.	IMDS77	Selected Chapters from Human Resource Management	(I22) Engineering Management, Specialised Academic Studies
18.	IMDR10	COGNITIVE MANAGEMENT	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
19.	IMDR11	Employees' creativity management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
20.	IMDR77	Selected Chapters from Human Resource Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
21.	IMDR84	Data ACQUISITION, ANALYSIS AND INTERPRETATION 1	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)

1.	Vrgović P., Glassman B., Walton A., Vidicki P.: Open innovation for SMEs in developing countries – an intermediated communication network model for collaboration beyond obstacles, Innovation-Management Policy and Practice, 2012, Vol. 14, No 3, pp. 290-302, ISSN 1447-9338
2.	Jošanov-Vrgović I., Savić N., Jošanov B., Vrgović P.: Development plans and the state of e-tourism: Case study in Novi Sad, African Journal of Business Management, 2011, Vol. 5, No 7, pp. 2545-2550, ISSN 1993-8233
3.	Kapor-Stanulović, N., Vrgović, P. (2009) Komunikologija za menadžere. Fakultet tehničkih nauka. Novi Sad
4.	Kapor-Stanulović Nila, Vrgović Petar, Hinić Darko. (2009) Komunikologija i komuniciranje u organizaciji. Državni univerzitet u Novom Pazaru.
5.	Vrgović Petar, Hinić Darko, Matijević Nikolina, Barać Milena. (2010) Poslovno i organizaciono komuniciranje. Fakultet za poslovni menadžment. Bar, Crna Gora.
6.	Vrgović P., Kovačević J., Mihailović D.: Effective communication and idea generation, 5. International Conference on Mass Customization and Personalization in Central Europe MCP-CE, Novi Sad: Fakultet tehničkih nauka, 19-21 Septembar, 2012, pp. 261-265, ISBN 978-86-7892-432-3.
7.	Vrgović P., Mihailović D.: Idea management in a developing country with transition economy: good intention, bad communication, 13. International symposium SymOrg, Zlatibor: Fakultet organizacionih nauka, 5-9 Jun, 2012, pp. 320-328, ISBN 978-86-7680-255-5.
8.	Vrgović P., Antonova A., Vidicki P.: Limiting innovation gaps - Building communication bridges between inventors and SMEs in developing countries, 15. International Scientific Conference on Industrial Systems - IS, Novi Sad: Fakultet tehničkih nauka, 14-16 Septembar, 2011, pp. 437-441, ISBN 978-86-7892-341-8.
9.	Vrgović Petar, Glassman Brian, Walton Abram, Vidicki Predrag, Suzić Nikola. (2010) Market Driven Inventions in SMEs - A Model for Growing Economies by Connecting Entrepreneurial Inventors with Local Companies. International Conference on Entrepreneurship, Innovation and Regional Development, p 810-817. ICEIRD (3; Novi Sad; 2010). ISBN 978-86-7892-250-3
10.	Vidicki, P. Vrgović, P.: Measuring innovation in service sector, International Scientific Conference on Industrial Systems IS"08 (14th), Novi Sad: Faculty of technical sciences, 2-3 oktobar, 2008, str. 565- 570, ISBN 978-86-7892-135-3.

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

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

Study Programme Accreditation - PhD Studies

DOCTORAL ACADEMIC STUDIES — Industrial Engineering / Engineering Management

Science, arts and professional qualifications

Name and last name:	Vučinić-Vasić T. Milica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.04.2000
Scientific or art field:	Physics

Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Physics
PhD thesis	2007	Faculty of Sciences - Novi Sad	Physics
Magister thesis	2000	Faculty of Sciences - Novi Sad	Physics
Bachelor's thesis	1996	Faculty of Sciences - Novi Sad	Physics

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

	ID	Course name	Study programme name, study type
1.	F102	Physics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
2.	GG06	Civil Engineering Physics	(G00) Civil Engineering, Undergraduate Academic Studies
3.	S014	Physics	(S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	DZ01FS	Selected Chapters in Physics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies (I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies (Z00) Environmental Engineering, Specialised Academic Studies
5.	DZ01F	Selected Chapters in Physics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (E20) Computing and Control Engineering, Doctoral Academic Studies (F00) Graphic Engineering and Design, Doctoral Academic Studies (G00) Civil Engineering, Doctoral Academic Studies (GI0) Geodesy and Geomatics, Doctoral Academic Studies (H00) Mechatronics, Doctoral Academic Studies (I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies (M00) Mechanical Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies (S00) Traffic Engineering, Doctoral Academic Studies (Z00) Environmental Engineering, Doctoral Academic Studies (Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Milica Vučinić-Vasić, Divko Ćirić, Tatjana Škrbić, Miroljub Đurić, Zbirka zadataka iz fizike, FTN Izdavaštvo, Novi Sad 2005.
2. Ljuba Budinski-Petković, Milica Vučinić, Dušan Ilić, Praktikum eksperimentalnih vežbi iz fizike – odsek za računarstvo i automatiku, S PRINT, Novi Sad, 2003
3. Ljuba Budinski-Petković, Milica Vučinić-Vasić, Dušan Ilić, Praktikum eksperimentalnih vežbi iz fizike – odsek za mašinstvo – odsek za grafičko inženjerstvo – odsek za mehatroniku, Delta press, Novi Sad, 2003.
4. Vučinić-Vasić M.: Exchange-Bias and Grain-Surface Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447

Representative refferences (minimum 5, not more than 10)

5.	Vučinić-Vasić M., Mihailović A., Kozmidis-Luburić U., Nemeš T., Ninkov J., Zeremski T., Antić B.: Metal contamination of short-term snow cover near urban crossroads: Correlation analysis of metal content and fine particles didtribution, Chemosphere, 2012, Vol. 6, No 86, pp. 585-592
6.	Kremenović A., Jančar B., Ristić M., Vučinić-Vasić M., Rogan J., Pacevski A., Antić B.: Exchange-Bias and Grain-Surface Relaxations in Nanostructured NiO/Ni Induced by a Particle Size Reduction, Journal of Physical Chemistry C, 2012, Vol. 116, pp. 4356-4364, ISSN 1932-7447
7.	Antić B., Kremenović A., Vučinić-Vasić M., Dohcević-Mitrović Z., Nikoloć A., Gruden-Pavlović M., Jančar B., Meden A.: Composition related properties of (Yb,Y)(2)O-3 nanoparticles synthesized by controlled thermal degradation of AA complexes, Materials chemistry and physics, 2010, Vol. 122, No 2-3, pp. 386-391, ISSN 0254-0584
8.	Antić B., Rogan J., Kremenović A., Nikoloć A., Vučinić-Vasić M., Božanić D., Goya G., Colomban P.: Optimization of photoluminescence of Y2O3:Eu and Gd2O3:Eu phosphors synthesized by thermolysis of 2,4-pentanedione complexes, NANOTECHNOLOGY, 2010, Vol. 21, No 24, pp. 2457-2457, ISSN 0957-4484
9.	Jović N., Vučinić-Vasić M., Kremenović A., Antić B., Jovalekić Č., Vulić P., Kahlenberg V., Kaindl R.: HEBM synthesis of nanocrystalline LiZn0.5Ti1.5O4 spinel and thermally induced order-disorder phase transition (P4332-Fd3m), Materials chemistry and physics, 2009, No 2-3, pp. 542-549, ISSN 0254-0584
10.	Vučinić-Vasić M., Antić B., Blanuša J., Rakić S., Kremenović A., Nikolić A., Kapor A.: Formation of nanosize Li-ferrites from acetylacetonato complexes and their crystal structure, microstructure and order-disorder phase transition , Applied Physics A, 2006, Vol. 82, No 1, pp. 49-54, ISSN 0947-8396

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

Quotation total :	53			
Total of SCI(SSCI) list papers :	17			
Current projects :	Domestic :	2	International :	1

Standard 10. Organizational and Material Resources

To perform the study programme, the adequate human, spatial, technical and technological, library and other resources suitable to the study programme features and predicted students` number are provided.
To perform the study programme, the adequate space for lecturing is provided, as well as the adequate laboratory space necessary for the experimental work and the equipment based on contemporary information and communication technologies. Lectures are held in amphitheatres, classrooms and specialized laboratories.
Faculty provides the usage of the library fund from its own or other sources (books, monographs, scientific magazines, other periodicals) in the amount necessary for the Doctoral study programme. Doctoral study students have the access to databases necessary for Doctoral dissertation elaboration and scientific and research work.
The library possesses more than 100 library units relevant for the performance of the study programme. All courses from the study programme have adequate textbooks, devices and supplementary equipment available on time and in a satisfactory number for the normal teaching process. There is also adequate information support.
Faculty has the library and the study room and provides a seat for each student in amphitheatres, classrooms and laboratories.
Faculty has a short-term and a long-term plan and the budget for the realization of scientific and research work.
Means for the realization of Doctoral studies, besides the ones provided by the resource ministries, are also provided in cooperation with other higher education institutions, accredited scientific institutions and international organizations.
Faculty provides students to utilize equipment or have access to necessary and adequate equipment in the possession of the Faculty, for scientific and research work.
Faculty provides students to utilize equipment or have access to the equipment necessary for scientific and research work on the basis of contracts on cooperation with other appropriate institutions.

Standard 11. Quality Control

Estimation of the study programme quality is elaborated regularly and systematically via self-evaluation and external quality control. One should place an emphasis on the multi-decade practice of students` surveys.
Study programme quality control is elaborated in the following manners:
- Surveying students at final lecture from the given course.
- Surveying students on the quality of the study programme and logistic support to the studies in the event of awarding the Diploma. Also, the studying comfort (classroom cleanness and tidiness) is evaluated there.
- Surveying students during the confirmation on completing a year of studies. Then students evaluate the logistic support to the studies.
- Surveying students on enrolling each year of studies. Then students evaluate the study programme at the year they completed in the prior academic year.
- Surveying the teaching and non-teaching staff on the quality of the study programme and the logistic support to the studies. This survey evaluates the work of the Dean`s office, Registrar`s office, library, and other services at the Faculty.

To monitor the quality of the study programme, there is a committee whose members are Doctoral Studies Council (composed of Faculty of Technical Science professors)two members of non-faculty stuff (administrative officer), together with a one student.
Additional quality is obtained by the obligatory scientific production of candidates. Prior to beginning the defence of the Doctoral dissertation, each candidate is obliged to publish at least one paper in the magazine from the SCI list.