STUDY PROGRAMME ACCREDITATION MATERIAL:

DISASTER RISK MANAGEMENT AND FIRE SAFETY

MASTER ACADEMIC STUDIES

Novi Sad

2014.

Content

Content

Programme name	Disaster Risk Management and Fire Safety
Independent higher education institution where the programme is being executed	University of Novi Sad
Higher education institution where the programme is being executed	Faculty of Technical Sciences
Educational-scientific/educational-art field	Interdisciplinary
Scientific, proffesional or art field	Inženjerstvo zaštite životne sredine i zaštite na radu; Građevinarstvo; Industrijsko inženjerstvo i menadžment;
Type of studies	Master Academic Studies
Study scope, expressed in ECTS	60-61
Academic degree, abbreviation	Master in Disaster Risk Management and Fire Safety, M.Dis.Ris.Managem.Fir.Saf.
Study length	1
Programme implementation starting year	2011
Future course implementation starting year (for new programme)	
Number of students attending this programme	14
Planned number of students to be enrolled in this programme	32
Programme approval date (state the approval issuer)	14.11.2012 - Science Education Council 29.11.2012 - University of Novi Sad Senate
Programme language	Serbian, English
Programme accreditation year	2011
Web address containing programme information	http://www.ftn.uns.ac.rs

Standard 00. Introduction

The study programme of the graduate academic studies in Risk and Fire Protection Management presents the continuation of the undergraduate academic studies of Risk and Fire Protection Management at the Faculty of Technical Sciences, University of Novi Sad.
Engineering and technical disciplines are incorporated into the realization of the curriculum of the undergraduate and graduate academic studies of Risk and Fire Protection Management, thus representing a highly multidisciplinary and interdisciplinary programme. In the realization of the programme, curriculums in architecture, civil engineering, electrical engineering, mechanical engineering, management, design and in basic scientific disciplines of mathematics, chemistry, physics and others are studied, thus completing the multidisciplinary image of the study programme.
The Graduate Master Programme of Risk and Fire Protection Management should enable students within the elected study group to additionally generalize and widen their knowledge based on the understanding of the basic principles of different fields in the Risk and Fire Protection Management, to master additional professional knowledge for the realization of the contemporary technical systems, to acquire ability to integrate knowledge which is to be applied in each specific case and introduced in the research, individual and creative work during the realization of the study programme.

Standard 01. Programme Structure

The name of the study programme is Risk and Fire Protection Management.
The acquired academic title is Master in Occupational Safety Engineering. The outcome of the studying process is the knowledge which enables students to use professional literature, apply knowledge to the problems which occur in the profession, and enables the continuation of the studies if students decide so. The study programme prerequisites for the enrolment are completed undergraduate studies with at least 240 ECTS and the passed enrolment examination.
The course consists of lectures and practice. During the teaching process, students are referred to the independent research and the emphasis is placed on his personal involvement in the teaching process. During the lectures theory is presented using the adequate didactic tools, but students are also presented with the research trends in the specific field. During practice, which accompanies lectures, students work on the specific designing problems or research topics dealing with the field of study, thus coming to direct contact with the matter being taught. Practice gives additional explanation of the matter being taught during the lectures. Practice may be auditory, laboratory, computer or computing. Part of the Practice may be carried out in the companies or other institutions.
Experimental laboratories for Safety at Work are equipped with necessary standard instruments (pH meter, conduct meter, calorimeter, automatic and analytical scales, automatic burettes and other small laboratory equipment) and highly sophisticated equipment such as: mobile gas chromatograph for the in-city quantification of pollutants. Student obligations during the Practice may include writing of the term papers and homework assignments, project assignments, term and graphic papers while each student activity during the teaching process is monitored and evaluated according to the rules adopted at the Faculty level. The number of obtained credits is presented according to the unique methodology and it represents the workload per student. Each course is worth certain number of ECTS credits, and the studies are completed when the student fulfils all obligations predicted by the study programme and collects at least 60 ECTS in the process.

Standard 02. Programme Objectives

The purpose of the Study Programme is the education of students for the profession of Master in Risk and Fire Protection Management in accordance with the needs of society.
The Study Programme Risk and Fire Protection Management is designed to provide the acquisition of competences and qualifications that are socially justified and useful. Faculty of Technical Sciences defined tasks and goals for educating highly competent personnel in the field of industry, economy, profession, sciences and technical engineering development. The purpose of the Study Programme of Risk and Fire Protection Management is completely in accordance with the graduate objectives and goals of the Faculty of Technical Sciences.
Graduated engineers of Risk and Fire Protection Management– Masters are educated by realization of the study programme designed in this way and possess competences, comparability and competitiveness in the European and worldwide circles.

Standard 03. Programme Goals

The objective of the study programme is to achieve student`s scientific competencies and academic skills in the field of Risk and Fire Protection Management. By continuing undergraduate and doing additional basic scientific disciplines as well as additional professional courses of the Master degree, students are able to develop creative abilities in considering problems and the ability of critical thinking, the development of teamwork skills and the mastering of specific theoretical, as well as applicative skills.
The objective of the study programme is to educate an expert who possesses necessary knowledge in basic scientific disciplines (mathematics, physics, chemistry, mechanics, thermo dynamics and other sciences…) in order to create real images about processes happening in nature, the built environment, industrial systems and environment as well as in the classical and specialized engineering disciplines with an emphasis on the preventive measures while managing risks and fire protection during natural disasters in urban environment, in the processing industry, while manipulating dangerous materials…
One of the specific objectives which is in accordance with educational objectives of experts at the Faculty of Technical Sciences is to develop students` awareness of the need for permanent education, the sustainable development and the environmental protection. The objective of the study programme is to educate Masters for the teamwork, while developing the ability to represent scientific results to the professional and wider public, but also to create Masters able to be involved in the scientific research.

Standard 04. Graduates` Competencies

Graduate students of the graduate academic studies in Risk and Fire Protection Management are competent and qualified to solve complex, multidisciplinary problems in the theory and practice. The competences include, above all, the development of the ability for critical thinking, ability of problem analysis, solution synthesis, behaviour prediction of the chosen solution with the clear idea of good and bad sides of the chosen solution.
Qualifications that indicate the end of the graduate academic studies acquire students:
•who have demonstrated systematic knowledge and understanding in the field of risk and fire protection management that complements the knowledge gained at the undergraduate academic studies, being the basis for developing critical thinking and application of knowledge;
•who are able to apply knowledge in solving problems in the new or unknown environment;
•who have the ability to integrate knowledge, solve complex problems and make decisions based on the available information taking into consideration social and ethical responsibilities related to the application of their knowledge and judgements;
•who are able to clearly and unambiguously transfer knowledge and the way of making conclusions to the professional and wider public;
•who possess the ability to continue the studies in the way they independently choose.

When it comes to the specific capabilities of students, mastering the study programme of the graduate studies, the students acquires detailed knowledge and understanding of all disciplines of the chosen study group, as well as the ability for solving specific problems using the scientific methods and procedures. Graduated students of Risk and Fire Protection Management are able to adequately define and present results of their work by intensive use of information-communication technologies.

Graduated students from this level of study possess additional competences compared to the students at undergraduate studies, for the application of knowledge in the practice and anticipation and application of the novelties in practice.

Students are enabled to design projects, organize and manage risks and fire protection. During their education, students acquire knowledge to independently plan and carry out experiments of statistical data processing as well as to define and make adequate conclusions.
A student with master`s degree in Risk and Fire Protection Management acquires special competence to sustainably use and protect the natural resources of the Republic of Serbia in accordance with the principles of sustainable development.

Standard 05. Curriculum

The curriculum of graduate academic studies in Risk and Fire Protection Management is designed for the purpose of achieving defined goals and competencies. The structure of the curriculum includes elective courses with at least 30% points.
Through elective courses, students meet their affinities profiled during undergraduate academic studies. Fundamental scientific disciplines, studied at this level, give the research character of the program, enabling even better understanding of complex processes in environment, with conditions for further scientific research of students. All courses last one semester and carry a certain number of points where one point corresponds to about 30 hours of student activities.
The curriculum includes the description of each course containing the name, type of article, year and semester, the number of ECTS credits, the name of the teacher, the course aims with expected outcomes, knowledge and competencies, prerequisites for attending the course, course content, recommended literature, methods of teaching, the way of knowledge testing and assessment and other data. The study program is consistent with European standards in terms of conditions of enrolment, duration of study, conditions of transition to the next year, graduation, and modes of study.
An integral part of the curriculum of Risk and Fire Protection Management is a professional practice and practical work of 45 hours, which is implemented in the relevant scientific research institutions, in organizations for innovation activities, in organizations which provide infrastructural support to innovation activities, in enterprises and public institutions. A student is completing his/her studies by elaboration of the graduate - master thesis, which consists of theoretical and methodological preparation necessary for in-depth understanding of the chosen field for writing master thesis paper.
Prior to the defence of the paper, a candidate has to pass the theoretical and methodological foundations, before a Commission, as a rule, that is composed for the defence. The final assessment of the diploma paper i.e. master paper is performed on the basis of the passed theoretical and methodological preparation and elaboration evaluation and defence of the paper itself. Final paper is defended before a committee consisting of at least three professors, of whom one member has to be from another Department or Faculty.

Table 5.2 Course specification

Course:		Integrated Natural Disaster Risk Management
Course id:	ZP501	
Number of ECTS:	4	
Teachers:		Sakulski M. Dušan, Ćosić I. Đorđe
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

The course objective is that the student masters methods and techniques of integral risk management.

2. Educational outcomes (acquired knowledge):

Acquiring knowledge from methods and techniques of integral risk management.

3. Course content/structure:

Advanced techniques used during integral risk management.

4. Teaching methods:

Lectures, Practice, Consultations. The course can be passed in the form of two colloquiums in the written form. Students who don`t pass both colloquiums must take oral examination as a whole. The course grade is formed based on the success at the colloquiums, that is, examination.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project task	Yes	30.00	Written part of the exam - tasks and theory	Yes	30.00
Test	Yes	40.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Birkmann, J.	Measuring Vulnerability to Natural Hazards:Towards Disaster Resilient Societes	UNU press	2004

Literature

Table 5.2 Course specification

Course:		Assessment of Damaged Structures
Course id:	URZP62	
Number of ECTS:	4	
Teachers:		Malešev M. Mirjana, Radonjanin S. Vlastimir, Kočetov-Mišulić Đ. Tatjana
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

Acquiring knowledge about basic types of structure damage after catastrophic events and fire, as well as about methodologies and methods for the assessment of the actual state and safety of the damaged structures.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in professional courses and in engineering practice. The student is competent for the use of different non-destructive and destructive methods of examination, registration and classification of defects and damages, identification of the cause for the appearance, and for rough estimation of the state and safety of the structures after catastrophic events and fire.

3. Course content/structure:

Destructive and non-destructive methods of examination (equipment, procedures, application possibilities). Classification and manifestation of damage on the structures after catastrophic event (fire, earthquakes, explosions, floods, overload, etc.). Examination methodology and assessment of the structure. Technical regulations. Examples of examination and damage assessment of the structures.

4. Teaching methods:

Within lectures, presentations in the form of photographs, tables, diagrams, formulas and highlighted texts-definitions are used to explain the course content of the syllabus to the students. Short topic movies are also presented. Within laboratory practice, students can see and independently carry out non-destructive examinations. During auditory practice students are presented with different structures which were assessed with an objective to better understand methodology, data processing and methods of making conclusions. The examination is oral. During the lecturing semester, oral part of the examination may be taken in the form of two colloquiums.

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,	G.S.T. Armer	Monitoring and Assessment of Structures	SPON Press, London & New York	2001
2,	John H. Bungey, G. MIllard, M.G.Grantham	Testing of Concrete in Structures	SPON Press, London	2006
3,	Radonjanin Vlastimir, Mirjana Malešev	Procena stanja građevinskih objekata - materijal sa predavanja	Predmetni nastavnici	2011

Literature

Table 5.2 Course specification

Course:		Protection and Rescue Plans
Course id:	ZP512	
Number of ECTS:	3	
Teachers:		Laban Đ. Mirjana, Ćosić I. Đorđe
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

The course objective is to acquire necessary knowledge for protection and rescue of people under the circumstances of natural disasters, catastrophic events and fire.

2. Educational outcomes (acquired knowledge):

After the passed examination students will be able to identify and classify risks for inhabitants, vulnerability of people, and to formulate, define and plan protective measures for people rescue under the conditions of natural disasters, catastrophic events and fire.

3. Course content/structure:

Organization and the methods of alarming the people in case of natural disaster and natural catastrophe (earthquakes, floods, landslides). Technical-technological accidents (dangerous substances, terrorism) and bigger fires (in the open, in the facilities, on reservoirs of flammable liquids, on transportation vehicles, in industrial plants). Phenomena, concept and organization of the rescue of people, material goods and cultural property. Protective and rescue measures. Preventive measures. Needs and possibilities of the protection of people, material goods and environment from the consequences of catastrophic events. Protective facilities. Methodology of planning the needs for shelters. Maintenance of shelters. The concept and objective of people evacuation, place of evacuation, time of evacuation, elements of evacuation. Planning and designing the plans of evacuation. Rescue from the rubble. Power, means and equipment for the protection from rubble. Planning and protection from earthquakes and landslides. Planning the flood defense and rescue. Protective and rescue measures from natural disasters: wind, snow, hail, ionizing radiation, and chemical contamination. Protective and rescue measures from fire in the open space-wood fire. Protective and rescue equipment.

4. Teaching methods:

The course is held via auditory lectures accompanied by slides and auditory practice which further encourage solving certain problems. Both lectures and practice are followed by a great number of examples from the practice. Besides, it is planned that representatives from institutions and firms also give a lecture, and that students visit institutions and firms typical for the field of interest in the lecturing units.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	70.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Lucien G. Canton	Emergency Management: Concepts and Strategies for Effective Programs	Wiley-Interscience, London	2006
2,	NASAR USA	Fundamentals of Search and Rescue	Jones & Bartlett Learning	2005

Literature

Table 5.2 Course specification

Course:		Design and Maintenance of the Fire Detection Systems
Course id:	ZP508	
Number of ECTS:	4	
Teachers:		Crnojević S. Vladimir, Crnojević-Bengin B. Vesna
Course status:		Mandatory

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

Precondition courses: None

1. Educational goal:

The student acquires theoretical and practical knowledge necessary for independent design of stationary fire fighting systems, application and maintenance.

2. Educational outcomes (acquired knowledge):

Acquired knowledge from the course is applied in the independent design of stationary fire fighting systems and their maintenance.

3. Course content/structure:

Theory lectures:
Designing the project program of fire protection. Designing and building the fire protection system. Legislation and technical regulations for certain types of fire protection systems. Technical defining and dimensioning of the system and its elements. Designing the necessary graphic documentation (situation plan, pipe network with cross sections, fire stations drawing, drawing of basic elements and standard parts and other documents necessary for assembly). Instructions about assembly, test work, investigation and maintenance. Measurement and calculation.
Water supply for fire fighting: requirements for fire fighting water, sources, abstraction and water accumulation, fire stations, water supply installations, hydrants, hydrant installation, pipe network. Design of stationary systems: Criteria for system selection. Fire fighting systems with water – sprinklers. Foam extinguishing systems. Carbon dioxide extinguishing systems. Powder extinguishing systems. Halons for fire extinguishing systems. Modern means for extinguishing systems.
Design of fire protection of typical facilities: protection in the marine and river transport, protection in the air transport, protection of transportation means, storage protection, computer centers, transformers and generators, protection of public facilities, protection in the industry.
Practice:
The Practice is mainly computing and partially performed in the computer center where simulations of stationary fire protection systems are performed on the computers.

4. Teaching methods:

Lectures: Lectures are combined with active participation of students. Theoretical part is accompanied by adequate examples which contribute to clarification of the theoretical part. Consultations. Practice: writing the term and project assignments by acquisition of theoretical knowledge.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			
Project	Yes	50.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Z. Šmejkal	Uređaji, oprema i sredstva za gašenje od požara	SKTH/Kemija u industriji Zagreb, Zagreb	1991
2,	E.Mihajlović, D.Mlađan, Ž.Janković	Procesi i sredstva za gašenje požara,	Fakultet zaštite na radu u Nišu, Niš	2008
3,	R.W. Fitzgerald	Building Fire Performance Analysis	John Wiley & Sons Ltd, England	2004
4,	SFPE	Handbook of fire protection engineering	NFPA, Boston	1995
5,	Bujandrić V., Bujandrić N.	Projektovanje protivpožarne zaštite	Vedeko, Beograd	1996

Literature

Table 5.2 Course specification

Course:	Design and Maintenance of Stationary Fire Extinguishing Systems
Course id: ZP507	
Number of ECTS: 4	
Teachers:	Jocanović T. Mitar, Stipić S. Matija
Course status:	Mandatory

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The student acquires theoretical and practical knowledge necessary for independent design of stationary fire extinguishing systems, their application and maintenance.

2. Educational outcomes (acquired knowledge):

Acquired knowledge in the course is applied for independent design of stationary fire extinguishing systems and their maintenance.

3. Course content/structure:

Theoretical lectures: Fire fighting water supply: the requirements for fire fighting water, sources, reservoirs and water accumulation, pumping and water transportation. Installations for water supply: sizing and pipe network plan with all belonging elements. Selection and sizing of pumps. Design and dimensioning of the external and internal hydrant network. Design of stationary systems: criteria for system selection. Extinguishing spraying systems – sprinklers. Other systems and contemporary extinguishing equipment. Application of the system depending on the type of facility. System selection. Fundamentals of design. Project assignments. System activation and activating elements. Pipe network. Armature. Nozzles. Carriers. Hydraulic calculation. Calculation of the amount of resources for fire fighting. Instructions for installation, test mode, testing and maintenance. Practice: Practice is mainly computing and partially held in the computer center where the working simulation of stable systems for fire protection is carried out on the computers.

4. Teaching methods:

Lectures: Lectures are combined with active participation of students. Theoretical part is followed by corresponding examples which contribute to the clarification of the theory. Consultations. Practice: writing the term paper and project assignments through application of acquired theoretical knowledge.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Computer exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	30.00
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			
Project	Yes	50.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Z. Šmejkal	Uređaji, oprema i sredstva za gašenje od požara	SKTH/Kemija u industriji Zagreb, Zagreb	1991
2,	Đurić, D.,	Vodovodni sistemi	Fakultet tehničkih nauka	2007
3,	R.W. Fitzgerald	Building Fire Performance Analysis	John Wiley & Sons Ltd, England	2004
4,	Stipić M., Prodanović, D., i Kolaković S.	Racionalizacija i unapređenje protivpožarnih potreba javnih vodovodnih sistema-slučaj grada Novog Sada	Savremena građevinska praksa - Zbornik radova, Novi Sad	2004
5,	Bujandrić V., Bujandrić N.	Projektovanje protivpožarne zaštite	Vedeko, Beograd	1996

Literature

Table 5.2 Course specification

Course:	Planning and organizing activities during events with catastrophic consequences
Course id: ZP514	
Number of ECTS: 3	
Teachers:	Trivunić R. Milan, Jakšić D. Željko
Course status:	Mandatory

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

Gaining knowledge of planning methods and ways of organizing, so that preventive measures in cases of catastrophic events and fire.

2. Educational outcomes (acquired knowledge):

Acquired theoretical and applied knowledge enables the planning, selection and implementation of appropriate remediation measures, development of plans and programs for rehabilitation, and coordination and management of rehabilitation activities. Training for the planning of preventive measures to reduce the risk from the effects of catastrophic events, making plans (with the necessary resources - machinery, manpower) to mitigate the effects of catastrophic events, study on the organization and method of implementation of measures to mitigate the effects of catastrophic events (to save lives and help people in need, clearing and reconstruction and rehabilitation of buildings and infrastructure - establishing an organization to build on the reconstruction of the destroyed areas, ranging from the choice of appropriate locations, selection of building materials and machinery, quality designers, contractors and supervision).

3. Course content/structure:

The structure and content of recovery plans by the current building regulations with an overview of repair measures buildings and terrain. Bill of Quantities of work. Construction machinery and its application. Price cost of construction machinery. The technology works clearing (subject to possible catastrophic events), and repair damage to buildings and infrastructure. Planning. Planning methods (CPM, Gantt charts). Treatment plans on a computer. Conditions for execution of works on clearing and rehabilitation. Temporary facilities. Organizational structure and organization of the clearing and rehabilitation. Manage the implementation of the planned measures.

4. Teaching methods:

Teaching is realized as lectures in the form of presentations on individual methodical units and graphic practice performed individually by students during the class and assisted by an assistant. In practice classes, based on the obtained information (lectures, literature, consultations and general introduction at the beginning of exercises) students solve the set tasks (graphic practice). All completed and positively graded papers are a prerequisite for taking the examination. Examination includes the entire course content presented during the semester, and it is in written and oral form. Written part of the examination can also be taken as two modules during the teaching process. Examination grade is formed on the basis of lecture and practice attendance, points from graphic papers, written and oral examination.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Coloquium exam	Yes	40.00
Graphic paper	Yes	20.00	Oral part of the exam	Yes	30.00
Lecture attendance	Yes	5.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Trivunić,M. Matijević,Z.	TEHNOLOGIJA I ORGANIZACIJA GRAĐENJA	Fakultet tehničkih nauka, Edicija tehničke nauke, br 234	2009
2,	Trivunić,M., Matijević,Z.	TEHNOLOGIJA I ORGANIZACIJA GRAĐENJA	Fakultet tehničkih nauka, Edicija tehničke nauke, br 126	2006

Literature

Table 5.2 Course specification

Course:		20BAdvanced Course in Mathematics 1			
Course id:	Z506				
Number of ECTS:	3				
Teachers:		Ralević M. Nebojša, Kostić Z. Marko			
Course status:		Mandatory			
Number of active teaching classes (weekly)					
Lectures:	Practical classes:	Other teaching types:	Study research work:	Other classes:	
2	1	1	0	0	
Precondition courses		None			

1. Educational goal:

To enable students to develop abstract thinking and gain basic knowledge of numerical mathematics and optimization methods.

2. Educational outcomes (acquired knowledge):

The acquired knowledge is used for further education and in vocational courses for making and solving real mathematical models within vocational courses, using the practiced material in numerical mathematics and optimization methods.

3. Course content/structure:

Theoretical teaching (lectures): Module: Numerical mathematics. Approximate numbers. Function approximations. Numerical solving nonlinear equations. Systems of nonlinear equations. Monte-Carlo method. Module: Optimization. Classical optimization. One-dimension optimization methods. Linear programming (graphical method, simplex method; transport problem). Mathematical method and simulation. Practical course (exercises): Appropriate examples from theoretical background are done during exercises, thus practicing a given material, and in such a way the exercises are contributing to understanding of a given material.

4. Teaching methods:

Lectures, Numerical-calculation and laboratory (computer) exercises. Consultation. Lectures are conducted in combination. The lecture of theoretical part is followed by examples which serve to clarify the theoretical part of the curriculum. During computational exercises, which follow the lectures, some typical tasks are done, which deepens the exposed material from the lectures, and the laboratory (computer) use of software packages (at least one) e.g.: C, Maple, Mathematica, Matlab. Apart from lectures and exercises, consultations are regularly held. Part of the material, which forms a logical whole, may be taken as an exam during the teaching process in the form of the following two parts (part one: Numerical Mathematics, Part II: Optimization). The oral part of the final exam is eliminatory.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Theoretical part of the exam	Yes	30.00
Lecture attendance	Yes	5.00	Practical part of the exam - tasks	Yes	40.00
Term paper	Yes	10.00			
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Petrić J.	Operaciona istraživanja	Naučna knjiga, Beograd	1987
2,	N. M. Ralević	Odabrana poglavlja iz matematike	FTN, Novi Sad	2010

Literature

Table 5.2 Course specification

Course:		Geodetic methods for the determination of geodynamic movements
Course id:	URZP65	
Number of ECTS:	3	
Teachers:		Ninkov Đ. Toša, Bulatović S. Vladimir
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

To acquire basic and applied knowledge in the field of Geodesy, Geomatics and Geoinformatics. To acquire basic and applied knowledge in the field of Geodynamics and Geodetic deformation analysis.

2. Educational outcomes (acquired knowledge):

Acquired knowledge is used in professional courses, in the recognition and in solving the engineering problems.

3. Course content/structure:

Fundamentals in geodynamics. Engineering and geological processes. Researching the action of exogenic and endogenic forces. Global geodynamic processes. Geodetic methods for determining the deformation of the Earth's crust. Local geodetic deformation network. Geodetic methods of determining the coordinates of the physical surface of the earth (conventional methods, GNSS, satellite, Insar, Tinsar). The project of deformation measurements. The generating of deformation models of landslides, glaciers, river banks. The generating of model for deformation monitoring of geotectonic movements of Earth's crust. Numerical-graphic processing and interpretation of the results of deformation measurements.

4. Teaching methods:

Lectures. Seminar papers. Consultations. Study and research. Prerequisites: 60% of points should be provided through the partial examination and obligatory tasks, during the teaching process. Examination: final examination: The written part of the examination – theory and tasks 40%.

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Donald L. Turcotte, Gerald Schubert	Geodynamics	Cambridge	2002

Literature

Table 5.2 Course specification

Course:	Crisis Management
Course id: ZP506	
Number of ECTS: 3	
Teacher:	Pečujlija D. Mladen
Course status:	Elective

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The main objective of the course is to help students understand and develop knowledge and skills necessary for crisis situation management. The complex content of the course will be viewed and analyzed from many perspectives. The course focuses on the following questions through combination of theoretical lectures and practical projects: hazards (geological, meteorological, biological and technical), vulnerability and risk assessment, risk reduction from catastrophes, emergency planning, financial planning for catastrophes, business strategies in emergency situations and crisis management. The course will help students develop skills for risk management, analysis of complex problems, assessment of possible solutions and implementations planning of risk management.

2. Educational outcomes (acquired knowledge):

Students will be able to completely understand natural and technical hazards, vulnerability and catastrophic risks; they will develop ability to analyze risks, threats and possibilities, and also to create and implement solutions. Students will master techniques for risk reduction against catastrophes and for their management, including abilities to manage emergency situations and ensure business continuity in those situations. Students will develop mapping skills through practical work using geo-information systems.

3. Course content/structure:

The course will cover the following units through combination of theoretical lectures and practical projects: Hazards, vulnerability, risk and catastrophe: assessment of hazards (natural and anthropogenic), vulnerability and risk, the characteristics of disasters, their assessment and management. Business continuity and crisis management: the unit for business continuity and planning for crises; framework and procedures for training and organizational preparation for the crisis. Financial planning for national disaster: the economy of catastrophe (local, national, international), financial risk management, catastrophe modeling, insurance and reinsurance through series of case studies from Great Britain, Turkey and small island states in the Caribbean`s. Catastrophe management techniques: methods and techniques used in the catastrophe risk assessment, GPS and GIS mapping for search and rescue actions. Natural disasters: geological, meteorological, biological and technological catastrophes, fast and slow occurring disasters; climate change impact, managing disasters and mitigation. Organizational risk: identification and corporate safety risk management.

4. Teaching methods:

Lectures, Practice, Consultations, discussing specific problems in the field of crisis management, case studies, term paper elaboration.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	50.00
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			
Term paper	Yes	20.00			
Test	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Avdalović V., Čosić Đ., Avdalović S.	Upravljanje rizikom u osiguranju	Fakultet tehničkih nauka Novi Sad	2008
2,	Christine M. Pearson and Judith A. Clair	Reframing Crisis Management	The Academy of Management	1998
3,	Myron S. Scholes	Crisis and Risk Management	American Economic Association	2000
4,	Petrus Johannes Maria van Oosterom, Siyka Zlatanova, Elfried	Geo-information for disaster management	Springer	2005

Literature

Table 5.2 Course specification

Course:		Professional practice
Course id:	Z504	
Number of ECTS:	3	
Teachers:		
Course status:	Mandatory	

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

Precondition courses: None

1. Educational goal:

Gaining direct knowledge about the functioning and organization of companies and institutions dealing with matters within the profession for which the student is getting qualifications and possibilities of applying previously acquired knowledge into practice.

2. Educational outcomes (acquired knowledge):

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

3. Course content/structure:

Formed for each candidate separately, in agreement with the management of companies or institutions, performing professional practice and in accordance with the needs of the profession for which the student is qualified.

4. Teaching methods:

Consultation and writing a diary of professional practice in which a student describes the activities and tasks that he performed during the professional practice.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Project	Yes	50.00	Project defence	Yes	50.00

Literature				
Ord.	Author	Title	Publisher	Year

Literature

Table 5.2 Course specification

Course:		Study Research Work on theoretical basis of the master thesis			
Course id:	URZP02				
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	9	0	
Precondition courses		None			

1. Educational goal:

2. Educational outcomes (acquired knowledge):

3. Course content/structure:

4. Teaching methods:

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

Literature				
Ord.	Author	Title	Publisher	Year
1,	grupa autora	časopisi sa Kobson liste		sve
2,	grupa autora	časopisi, diplomski i master radovi		sve

Literature

Table 5.2 Course specification

Course:		Master Thesis – Elaboration and Defence			
Course id:	URZP01				
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	0	8	
Precondition courses		None			

1. Educational goal:

2. Educational outcomes (acquired knowledge):

3. Course content/structure:

4. Teaching methods:

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

Literature

Table 5.2 Course specification

Course:		Fire and Explosion Protection due to Electricity
Course id:	URZP55	
Number of ECTS:	3	
Teachers:		Juhas T. Anamarija, Pekarić-Nađ M. Neda
Course status:		Elective

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

The course objective is to introduce students to the basic physical properties and laws in electrical engineering. Students acquire knowledge about hazards in the working space due to atmosphere and induced electricity, excessive currents in electrical circuits, excessive flux variation in magnetic circuits, as well as excessive power transfer in one-phase and symmetrical three-phase circuits of time variable currents. Numerical calculations develop student`s sense of size order of physical units describing certain phenomena.

2. Educational outcomes (acquired knowledge):

Students are trained to understand and use ``Regulations on general measures for occupational safety due to dangerous effects of electricity in the working facilities, offices and at construction sites``, ``Official Gazette of the Republic of Serbia``, no. 21/89. After completing the course, students also acquire engineering intuition which helps them identify risks and prevent fire and explosion due to electricity.

3. Course content/structure:

Coulomb`s law. Electric field. The potential. Voltage. Capacitance. Critical field. Breakdown voltage. Protection against static electricity. Direct current. Kirchhoff laws. Matched load. The maximum power transfer. The magnetic field. Biot-Savart law. Ampere`s law. Magnetic circuits. Faraday`s law of electromagnetic induction. Sinusoidal currents and voltages. Complex power. Symmetrical three-phase systems. Protection against excess current. Technical standards for protection against fire and explosion.

4. Teaching methods:

Lectures are oral presentations accompanied by demonstration of measuring instruments and numerical problems solving on blackboard. Besides, multimedia presentations, photos and video clips are also presented.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	70.00
Lecture attendance	Yes	5.00			
Term paper	Yes	20.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Republika Srbija	PRAVILNIK o opštim merama zaštite na radu od opasnog dejstva električne struje u objektima namenjenim za rad, radnim prostorijama i na radilištima	"Službeni glasnik RS", br. 21/89	1989
2,	Anamarija Juhas, Miodrag Milutinov, Neda Pekaric Nadj	Zbirka zadataka iz osnova elektrotehnike za strukovne studije	Edicija FTN	2012
3,	Giorgio Rizzoni	Principles and applications of electrical engineering	McGraw Hill	2011

Literature

Table 5.2 Course specification

Course:		The role of media in reducing the risk
Course id:	URZP64	
Number of ECTS:	3	
Teacher:		Ratković-NJegovan M. Biljana
Course status:		Elective

Number of active teaching classes (weekly)

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

Precondition courses: None

1. Educational goal:

Mastering the knowledge and skills necessary for efficient professional, responsible, ethical and legal usage of the media in risk prevention, increase of personal, corporate, and social security, and mastering the skills necessary for establishing optimal crisis communication with the public through the media in all phases of the crisis, in the post-crisis period as well in prevention phase.

2. Educational outcomes (acquired knowledge):

Students will be educated and trained for efficient use of the media in risk prevention, as well as to communicate with modern media systems in terms of endangered security of people, facilities and environment.

3. Course content/structure:

1.INTRODUCTION - Media as a means of communication; development of media and dominant models of communication throughout history; modern media. - The influence of the media on the public - analysis of different theoretical approaches; the influence of media on defining reality. - Classical and modern media as a factor of prevention and security; international, national, corporate and personal security, security on the Internet - Social Responsibility of Media. 2. FEATURES of media role in terms of increased risk – Specifics of interaction between the media and the public in terms of risk events/situations; Role of public services and commercial media in terms of increased risk; Media as a factor of influence on the prevention, flow and elimination of consequences of risk situations; - Significance of media nomination, classification and risk assessment of events/situations; Characteristics of media forms in the presentation of risk situations; - Basic models of communication with the media in crisis situations. 3. PREVENTION OF RISK THROUGH COMMUNICATION WITH THE MEDIA - The role of the media in growing awareness about the importance of prevention and reduction of risk; - Preparation, processing and distribution of printed, audio, photo, video and mixed media releases. 4. COMMUNICATION WITH THE MEDIA DURING THE CRISIS SITUATIONS - The influence of the media in a human-factor induced crisis, due to natural factors and crises caused by the combined action of natural and human factors; - Basic models and phases of media processing of risk situations (5 basic stages in media processing the crisis) - The causes of inadequate media coverage of events; Example analysis of media processing accident, trouble, emergency, crisis and disaster; - Effect of media in social conflicts and crises. 5. MEDIA AS A FACTOR IN ELIMINATING THE CONSEQUENCES OF CRISIS – Methods of (re)activation of media during the post crisis period.

4. Teaching methods:

Teaching is conducted through lectures, auditory and practical exercises.

Knowledge evaluation (maximum 100 points)

Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	70.00
Project	Yes	15.00			
Term paper	Yes	10.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	M. Regester, M., Larkin,	Risk Issues and Crisis Managementt: A Casebook of best practice (3rd edition)	Kogan Page, London	2005
2,	Keković, Z.	Proces integralnog upravljanja rizicima	Fakultet bezbednosti, Beograd	2001
3,	Mortensen, M.S.	Public Relations in Crisis and Disaster. A Breif Introduction for Practitioners		2008
4,	Kostić, B.	Media management in latent phase of social conflicts	XIV International Scientific Conference on Industrial Sistems, Novi Sad	2008
5,	Fearn-Banks,S.	Crisis Communications: A Casebook Approach	Lorens Erlbaum, London	2000
6,	Virilio, P.	Od terora do apokalipse, Nova Srpska politička misao, Debate br 4. Svet posle 11. septembra,	Nova Srpska politička misao, Beograd	2002
7,	Bodrijar, Ž.	Duh terorizma	Arhipelag, Beograd	2007

Literature

Table 5.2 Course specification

Course:		Investigation of Fire and Explosion
Course id:	ZP509	
Number of ECTS:	4	
Teachers:		Sokolović S. Dunja, Krnjetin S. Slobodan
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Acquiring theoretical and practical knowledge necessary for investigation of circumstances and causes which led to fire and explosion.

2. Educational outcomes (acquired knowledge):

Acquired theoretical and applied knowledge enables clarification of circumstances which led to fire.

3. Course content/structure:

Methods of fire investigation. Inspecting fire causes. Analysis of the fire manifestation. (traces of fire outside and inside the space). Manifestation of fire in transportation vehicles. Methods of determining the place of fire origin. Event reconstruction and report elaboration. Application of laboratory methods for fire expertise. Modern information technologies used in investigation and fire expertise.

4. Teaching methods:

Lectures, Term Paper, Presentation, 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	30.00
Lecture attendance	Yes	5.00			
Presentation	Yes	10.00			
Term paper	Yes	20.00			
Test	Yes	30.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	EDITED BY NIAMH NIC DAÉID	Fire Investigation	CRC Press LLC, Boca Raton, Florida, USA	2004
2,	U.S. Department of Justice Office of Justice Programs National Institute of Justice	Fire and Arson Scene Evidence: A Guide for Public Safety Personnel	U.S. Department of Justice Office of Justice Programs, Washington DC, USA	2000
3,	David D. Redsicker John J. O Connor	Practical fire and Arson Investigation	CRC Press LLC, Boca Raton, Florida, USA	1987
4,	Aleksić Ž., Kostić R.	Požari i eksplozije	Savremena administracija, Beograd	1983

Literature

Table 5.2 Course specification

Course:		Qualitative and quantitative methods of risk management
Course id:	ZP515	
Number of ECTS:	3	
Teachers:		Pečujlija D. Mladen, Sakulski M. Dušan
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

The 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, univariate procedures, interpretation of data and preparation of reports on research conducted using the software package to enable SPSS.Studenti and multivariate data processing methods (exploratory factor analysis, EFA, confirmatory factor analysis CFA, structural modeling, SEM, analysis)

3. Course content/structure:

At the beginning of the study deals with the problems of preparation, which introduces a number of basic methodological concepts, such as types and objects of research, methods of sample selection, classification variables and the relationships between them, the types of data, problems of measurement, types of control, and other research. Then discusses the three main groups of research designs, such as frequency, correlation and factorial designs. Within each of the three groups of drawings appear gradually from simpler to more complex types. After that are the basic forms processing, analysis and interpretation of results, especially for the three groups of the draft. The 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 procedures are exploratory and confirmatory factor analysis, cluster analysis and Structural modeling method. The emphasis is on logic and above all practice mentioned at the end of the course describes the structure of a standard written report on the investigation.

4. Teaching methods:

Lectures, computer exercises and consultations.

Knowledge evaluation (maximum 100 points)					
Pre-examination obligations	Mandatory	Points	Final exam	Mandatory	Points
Laboratory exercise attendance	Yes	5.00	Written part of the exam - tasks and theory	Yes	50.00
Project	Yes	30.00			
Project task	Yes	15.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	Nunnally, J.M	Psychometric theory	McGRAW-HILL, INC	1998

Literature

Table 5.2 Course specification

Course:		Technical Systems Reliability
Course id:	ZP516	
Number of ECTS:	3	
Teacher:		Šević D. Dragoljub
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

The goal of this course is to train students in the methods of determining the reliability and use of the data on the reliability of the elements / systems.

2. Educational outcomes (acquired knowledge):

After passing the exam, students will be able to calculate the reliability of the elements of the basis of collected data, calculation of system reliability based on defined / specific elements reliability of the system and block diagram are defined in terms of the reliability of the observed system. In addition, students will gain a general knowledge of the construction and use of fault tree analysis and design elements on the basis of reliability.

3. Course content/structure:

Mathematical basis of reliability, Reliability of the Elements, System Reliability, Reliability Allocation, Design Based on Reliability, Fault Tree Analysis.

4. Teaching methods:

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

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

Literature

Ord.	Author	Title	Publisher	Year
1,	Gradimir Ivanovic, Dragutin Stanivukovic, Ivan Beker	TEORIJA POUZDANOSTI	FTN, Novi Sad	2010
2,	Dragutin Zelenovic, Jovan Todorovic	Teorija pouzdanosti tehničkih sistema	FTN, Novi Sad	2004
3,	Gradimir Ivanović, Dragutin Stanivuković	Pouzdanost tehničkih sistema - zbirka rešenih zadataka	Mašinski fakultet, beograd	1987
4,	Kececioglu Dimitri	Reliability engineering handboock	Prentice Hall Inc	1991

Literature

Table 5.2 Course specification

Course:		Safety of Strategic Energy Facilities
Course id:	URZP63	
Number of ECTS:	3	
Teachers:		Petrović R. Jovan, Sakulski M. Dušan
Course status:		Elective

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

Precondition courses: None

1. Educational goal:

Educational objective is to introduce students to the basic concepts of safety of strategic energy and nuclear facilities and plants and their application. Based on the analysis of severe nuclear accidents (TMI-2, Chernobyl, Fukushima) omissions in the security system of nuclear installations will be processed, as well as the risks related to the application of nuclear energy for peaceful purposes.

2. Educational outcomes (acquired knowledge):

Students acquire knowledge about the basic concept of safety which has to be considered during design and maintenance of strategic energy systems. Students will also be introduced to the basic systems of nuclear facility safety, as well as to basic methods of safety analysis (probable and deterministic) applicable to both nuclear and energy facilities in general.

3. Course content/structure:

Theoretical lectures: An overview of global energy image in the world and Serbia. Safety risks related to different methods of electricity production. Basic principles of safety during design and maintenance of energy facilities (redundancy principles, diversity principles, spatial separation principle, fail-safe principle etc.). Protection of energy facilities against terrorist attacks. Application of basic principles of safety to nuclear plants. Analysis of safety of nuclear plants (deterministic and probable methods). Severe accidents in nuclear industry (TMI-2, Chernobyl, Fukushima) and the risk related to the electricity production in nuclear plants.

4. Teaching methods:

Lectures include theoretical part of the course with practical examples from the industry for easier understanding and acquisition of knowledge.
Auditory Practice further clarifies lectures through active participation of students and practical application of contemporary methods (deterministic and probable) of safety analysis of energy and nuclear facilities.
Besides lectures and practice, consultations held on a regular basis.

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	60.00
Lecture attendance	Yes	5.00			
Term paper	Yes	30.00			

Literature

Ord.	Author	Title	Publisher	Year
1,	D.G. Cacuci	Nuclear Reactor Safety Systems	Woodhead Publishing Series in Energy	2001
2,	Vujić V. Zoran	Bezbednost strateških energetskih i nuklearnih sistema	Skripta, interno izdanje FTN	2011

Literature

Standard 06. Programme Quality, Contemporaneity and International Compliance

The programme of multidisciplinary and interdisciplinary studies of Risk and Fire Protection Management is designed and defined keeping in mind the specifics of the profession of the Risk and Fire Protection Management in Serbia and respecting the experience from the relevant university institutions in the world dealing with the education of the experts in this field. This study profile is recognized as a sublimation of the study programmes of the following universities:

The University of Edinburgh, GB
http://www.see.ed.ac.uk/postgraduate/taughtdeg/SFSE/

The College of Justice & Safety, Richmond, Eastern Kentucky University, USA
http://www.cjs.eku.edu/ssem/fset/FireProtectionSafetyEngineeringTechnologyCurriculum.php

Lund University, Faculty of Eingeneering, LTH, Lund, Sweden
http://www.lth.se/english/education/programmes/risk_management_safety/

Lund University, Faculty of Eingeneering, LTH, Lund, Sweden
http://www.lu.se/master-of-disaster-management-english

Ghent University, Ghent, Belgium
http://www.imfse.ugent.be/index.asp?p=582&a=582

International

University of Maryland, USA
http://www.fpe.umd.edu/grad/index.html

These study programmes are compatible and comparable to the certain extent in their syllabus and curriculum to the suggested study programme of Risk and Fire Protection Management/FTN. The difference in the theme and programme wholes of individual courses is intentionally made for the purposes of contemporary, modern and complete education of the students in the fields which are considered basic, while they are later profiled to the specific issues of risk and fire protection management through elective courses. Elective courses are at the higher years of study and can be selected in accordance with the individual inclinations and interests of the students.
Graduate academic master studies as well as undergraduate academic studies of Risk and Fire Protection Management at EU universities, in most cases are related to some of the scientific fields such as construction, mechanical engineering, electrical engineering, hydrology, technology or ecology. Studies of Risk and Fire Protection Management at the Faculty of Technical Sciences are unique, integrated, multidisciplinary, and interdisciplinary.

Standard 07. Student Enrollment

Each year a certain number of students are enrolled at the Faculty of Technical Sciences on the undergraduate or master academic studies of Risk and Fire Protection Management, in accordance with social needs and infrastructure resources, either at the budget financing or self-financing, which is annually defined by special decision of Scientific Educational Council of the Faculty of Technical Sciences.
Students from other academic programs as well as persons who have completed studies may be enrolled to this study program. In this respect, the evaluation committee (comprising of the heads of all departments involved in realization of the study program) evaluates all passed activities of candidates for enrollment on the basis of all recognized number of points determined by the year of study in which the student can be enrolled. Hence, the passed activities can be recognized in full, can be recognized in part (Commission may require the proper supplement) or they may not be recognized at all.

Standard 08. Student Evaluation and Progress

The final grade in each course included in this programme is formed by continual monitoring of students` accomplishments throughout the academic year and by passing the final examination.
Students master the study programme by taking examinations and thus obtaining a certain number of ECTS credits, in accordance with the study programme. Each course within the programme is worth a certain number of ECTS credits which students obtain by successfully passing the course examination. The number of ECTS credits is based on the quantity and quality of work students are required to submit during a certain course and on the Faculty of Technical Sciences` unique methodology for all study programmes. Students` success in mastering a certain course is constantly monitored during classes and is expressed in points. Maximum number of points obtained in a course is 100.
Students obtain points from a course through their work during classes, completion of the prerequisites and taking the examination. The minimum number of points a student can obtain by fulfilling the course prerequisites during classes is 30, and the maximum 70.
Each course at the study programme has a clear and transparent mode of obtaining points. There are several ways students can obtain points: by participating in different activities during classes, by fulfilling the course prerequisites and by passing the course examination.
The final success of students at a course is presented with a grade 5 (failed) to 10 (excellent). The student`s grade is based on the overall number of points obtained on fulfilling prerequisites and taking the examination, and in accordance with the quality of acquired knowledge and skills.
In order to take the final examination in the certain course, it is necessary that the student obtains at least 15 points in the examination prerequisites. Additional conditions for taking the examinations are defined individually for each course.
Advancement of students during education is defined by the Rules of Studying at the Undergraduate Academic Studies.

Standard 09. Teaching Staff

For the realization of the study programme in Risk and Fire Protection Management, there is teaching staff with necessary professional and scientific qualifications.

The number of teachers engaged in the realization of the study programs of undergraduate and graduate academic studies meets the requirements of the study program and depends on the number of courses and number of classes on these courses. The total number of teachers is sufficient to cover the total number of hours on the study program, so that the teacher has about 180 hours of active lecturing (Lectures, consultations, exercises, practical work, ...) annually, or 6 times a week. Out of the total number of necessary teachers, one teacher is with 5% of working time, five teachers are from other faculties within the University of Novi Sad, one from master and doctoral studies has been retired (according to the law, two years more at master`s and doctoral studies). Other teachers are full-time employed.

The number of associates meets the requirements of the study program. The total number of associates on the study program is sufficient to cover the total number of hours in the study programme Risk and Fire Protection Management, so that the associates make an average of 300 hours of Practice per year, that is, 10 hours per week.

Scientific and professional qualifications of the teaching staff match the educational and scientific field and level of their assignments. Each teacher has at least five references in the specific scientific or technical field, which is related to his teaching activities at the particular study program.

The group size for the lectures is up to 180 students, for exercises up to 60 students, and for labs up to 20 students.

All data on teachers and associates (CV, elections for the position, references) are available to the public.

Science, arts and professional qualifications

Name and last name:	Bulatović S. Vladimir
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.03.2003
Scientific or art field:	Geodesy

Academic carieer	Year	Institution	Field
Academic title election:	2011	Faculty of Technical Sciences - Novi Sad	Geodesy
PhD thesis	2011	Faculty of Technical Sciences - Novi Sad	Geodesy
Magister thesis	2007	Faculty of Organizational Sciences - Beograd	Information-Communication Systems
Bachelor's thesis	2001	Faculty of Civil Engineering - Beograd	Geodesy

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

	ID	Course name	Study programme name, study type
1.	GG08	Geodesy	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GI025B	Geodetic Metrology	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	GI029	Utility Information Systems and their Application	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	GI210	Mean Value Calculation	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
5.	GI505	Advanced Techniques in Geodetic Design and Monitoring	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	GI401A	Integrated Systems of Surveying	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
7.	SDGI06	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Specialised Academic Studies
8.	SDGI10	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Specialised Academic Studies
9.	SDGI12	Selected topics in Inegrated Systems of Surveying	(GI0) Geodesy and Geomatics, Specialised Academic Studies
10.	SDGI19	Utility Information Systems and their Application	(GI0) Geodesy and Geomatics, Specialised Academic Studies
11.	SDGI20	Selected topics in Geodynamics	(GI0) Geodesy and Geomatics, Specialised Academic Studies
12.	GI518	Geodesy in City Planning	(GI0) Geodesy and Geomatics, Master Academic Studies
13.	GI600	Applied Geophysics in Geomatics	(GI0) Geodesy and Geomatics, Master Academic Studies
14.	GI601	Geodynamics	(GI0) Geodesy and Geomatics, Master Academic Studies
15.	URZP65	Geodetic methods for the determination of geodynamic movements	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
16.	GI403	Methods for Precise Geodetic Measurements and Data Processing	(GI0) Geodesy and Geomatics, Master Academic Studies
17.	DGI002	Selected Chapters in Engineering Geodesy	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
18.	DGI010	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
19.	DGI019	Selected Chapters in Municipal Information Systems	(GI0) Geodesy and Geomatics, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Bulatović V., Sušić Z., Ninkov T.: Estimate of the ASTER-GDEM regional systematic errors and their removal, INT J REMOTE SENS, 2012, Vol. 33, No 18, pp. 5915-5926, ISSN 0143-1161
2.	Bulatović V., Ninkov T., Malenković V., Vulić M.: Contemporary Methods of Determining Energy Losses in Structures, TTEM. Tehnics tehnologies education management, 2012, Vol. 7, No 2, pp. 687-692, ISSN 1840-1503
3.	Bulatović V., Sušić Z., Ninkov T.: Open Geospatial Consortium Web Services in Complex Distribution Systems, Geodetski list, 2010, Vol. 64, No 1, pp. 13-29, ISSN 0016-710X
4.	*****Autori: T. Ninkov, V. Bulatović, Z. Sušić Naziv: Primena laserskog skeniranja kod projektovanja linijskih struktura i objekata Naziv skupa: GNP 2008
5.	*****Autori: Ninkov T., Bulatović, V. Naziv: Neke praktične primene AGROS-a Naziv skupa: Konferencija o uvođenju novog geodetskog referentnog sistema
6.	*****Autori: Ninkov T., Bulatović, V. Naziv: Primena naprednih tehnologija u projektima čišćenja reke Dunav od neeksplodiranih ubojitih sredstava na području Novog Sada Naziv skupa: GNP 2006

Representative refferences (minimum 5, not more than 10)	
7.	*****Autori: Ninkov T., Bulatović, V. Naziv: Savremene metode izrade digitalnih topografskih podloga Naziv skupa: GNP 2006
8.	*****Autori: Benka P., Bulatović, V. Naziv: GIS in irrigation system menagment Naziv skupa: VIIth International symposium intedisciplinary regional research
9.	Benka P., Bulatović V.: Geographic Information System in Irrigation System Management, 7. ISIRR 2003, Hunedoara, 1 Januar, 2010, pp. 614-619
10.	*****Autori: Z. Sušić, D. Vasić, V. Bulatović, T. Ninkov Naziv: Geodetski monitoring građevinskih objekata korišćenjem konvencionalnih i savremenih tehnologija Naziv skupa: GNP 2008

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:	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 (IIF) Information and Financial Engineering, Undergraduate Academic Studies
7.	ZP508	Design and Maintenance of the Fire Detection Systems	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
8.	DE511S	Wireless sensor networks	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
9.	EK520	Medical Image Processing	(OM1) Mathematics in Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	EK522	Computer Vision (Digital Image Processing 2)	(F20) Engineering Animation, Master Academic Studies (OM1) Mathematics in Engineering, Master Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
11.	H1420	Fundamentals in Mechanical Vision	(H00) Mechatronics, Master Academic Studies
12.	IMDS54	Computer Vision in Industrial Engineering and Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
13.	DE311S	Selected topics in Pattern Recognition	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
14.	DE412S	Digital image processing algorithms	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
15.	DE511	Wireless Sensor Networks	(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

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

	ID	Course name	Study programme name, study type
17.	DE311	Selected Chapters in Pattern Recognition	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

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:	Crnojević-Bengin B. Vesna
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.11.1998
Scientific or art field:	Electronics

Academic carieer	Year	Institution	Field
Academic title election:	2011		Electronics
PhD thesis	2006	Faculty of Technical Sciences - Novi Sad	Electronics
Magister thesis	1997	School of Electrical Engineering - Beograd	Telecommunications and Signal Processing
Bachelor's thesis	1994	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.	E109	Software Lab	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	EM440	Computer-Aided Electronic Circuit Design	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	ASO	Introduction to engineering	(AS0) Scene Architecture, Technique and Design, Undergraduate Academic Studies
4.	BMI107	Materials and fabrication technologies in medical devices	(BM0) Biomedical Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
5.	BMI108	RF and microwaves in medicine	(BM0) Biomedical Engineering, Undergraduate Academic Studies
6.	EK322	RF and microwave engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
7.	EK454	RF and microwave engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
8.	EM408A	RF and microwave electronics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	EM420A	Modelling and simulation of RF and microwave circuits	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
10.	URZP32	Systems for Detection, Alarm and Warning	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
11.	M4001	Fundamentals of electronic systems	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
12.	ZP508	Design and Maintenance of the Fire Detection Systems	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
13.	EM518A	Advanced simulation techniques of RF and microwave circuits	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
14.	EM515	Periodic Structures and Metamaterials	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
15.	SI022	Selected topics from microwave engineering	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
16.	SI034	Application of metamaterials in the microwave engineering	(E00) Power, Electronic and Telecommunication Engineering, Specialised Professional Studies
17.	DE102S	Microwave Technique 1	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
18.	DE500S	Microwave Technique 2	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
19.	DE102	Microwave Technique 1	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies
20.	DE500	Microwave Technique 2	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies (M40) Technical Mechanics, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

Representative refferences (minimum 5, not more than 10)

1.	V. Crnojevic-Bengin, V. Radonic, and B. Jokanovic: Fractal Geometries of Split-Ring Resonators, IEEE Transactions of Microwave Theory and Techniques, Vol. 56, No. 10, pp. 2312-2321, October 2008.
2.	B. Jokanovic, V. Crnojevic-Bengin, O. Boric-Lubecke, Miniature High Selectivity Filters Using Grounded Spiral Resonators,Electronics Letters, Vol. 44, No. 17, 14th August 2008
3.	V. Radonić, V. Crnojević-Bengin, Super-compact stopband filter based on grounded patch resonator, Electronic letters, Vol. 46, No. 2, pp. 146-147, ISSN: 0013-5194, January 2010.
4.	V. Crnojević-Bengin, V. Radonić, B. Jokanović, "Left-handed microstrip lines with multiple complementary split-ring and spiral resonators", MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, (2007), vol. 49, no.6, pp. 1391-1395
5.	V. Crnojević-Bengin, "Compact 2D Hilbert microstrip resonators", MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, (2006) vol.48, no.2, pp. 270-273
6.	V. Crnojević-Bengin, Đ. Budimir, “Novel 3-D Hilbert Microstip Resonators”, MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, John Willey, vol. 46, no. 3, pp. 195-197, August 2005, ISSN: 0895-2477.
7.	B. Jokanović, V. Crnojević-Bengin, “Novel left-handed transmission lines based on grounded spirals,” Microwave and Optical Technology Letters, John Willey, Vol. 49, No. 10, oktobar 2007, pp. 2561-2567
8.	V. Radonic, K.Palmer, G. Stojanovic and V.Crnojevic-Bengin, Flexible Sierpinski Carpet Fractal Antenna on a Hilbert Slot Patterned Ground, International Journal of Antennas and Propagation, Vol. 2012, Article ID 980916, doi:10.1155/2012/980916
9.	Zemlyakov, Kirill; Crnojevic-Bengin, Vesna, Planar low-pass filters based on hilbert fractal, MICROWAVE AND OPTICAL TECHNOLOGY LETTERS 2012 54 (11):2577-2581
10.	V. Radonić, K.D. Palmer and V. Crnojević-Bengin: “A dipole antenna design incorporating both electromagnetic bandgap and zero-refractive index metamaterials,” METAMATERIALS, St. Petersburg, Russia, 17-22 September 2012

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

Quotation total :	190			
Total of SCI(SSCI) list papers :	19			
Current projects :	Domestic :	2	International :	14

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.	URZP46	Cycle Elements of Catastrophic Events	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP56	Fundamentals of Risk and Fire Protection Management	(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.	IMDR0S	Selected chapters in enterprise's design, organization and control	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
6.	OIR001	Basic insurance	(I20) Engineering Management, Specialised Professional Studies
7.	OIR002	Insurance risks	(I20) Engineering Management, Specialised Professional Studies
8.	IMDS75	Selected Topics in Risk Management and Insurance Management	(I22) Engineering Management, Specialised Academic Studies
9.	MPK009	Enviromental hazards	(MPK) Water Treatment and Safety Engineering - TEMPUS, Master Academic Studies
10.	IM2707	Methods for the analysis of insurance risk	(I20) Engineering Management, Master Academic Studies
11.	IM2714	Disaster risk management cycle	(I20) Engineering Management, Master Academic Studies
12.	Z510	Accidental Risk Management and the Environment	(OM1) Mathematics in Engineering, Master Academic Studies (Z01) Safety at Work, Master Academic Studies
13.	ZP512	Protection and Rescue Plans	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
14.	ZP501	Integrated Natural Disaster Risk Management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
15.	IMDR75	Selected Topics in Risk Management and Insurance Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	ZRD233	Selected topics in the field of insurance from the standpoint of safety and health at work	(Z01) Safety at Work, Doctoral Academic Studies
17.	IMDR0	Science of Industrial Engineering and Management	(I20) Industrial Engineering / Engineering Management, 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.	Matić B., Matić D., Ćosić Đ., Sremac S., Tepić G., Ranitović P.: A model for the pavement temperature prediction at specified depth, Metalurgija, 2013, Vol. 52, No 4, pp. 505-509, ISSN 0543-5846, UDK: 62.001.57:536.5:625.144=1114
3.	Tanackov I., Bogdanović V., Ćosić Đ., Lalić B.: Metastability - Markovian approach, UDK: Volume 52, Issue 4, 2013, Pages 573-576

Representative refferences (minimum 5, not more than 10)

4.	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
5.	Ćosić Đ., Popov S., Sakulski D., Frank A.: Geo-Information Technology for Disaster Risk Assessment, Acta Geotechnica Slovenica, 2011, Vol. 8, No 2011/1, pp. 64-74, ISSN 1854-0171
6.	Pečujlija M., Azemovic N., Azemovic 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
7.	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
8.	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
9.	Novaković T., Simić J., Popović Lj., Popov S., Velemir M., Ćosić Đ., Sakulski D.: Subject „Disaster Risk Management“ - Spatial Context, 2. International Conference on Applied and Information Technologies, Zrenjanin: University of Novi Sad, Technical Faculty „Mihajlo Pupin”, 25 Oktobar, 2013, pp. 80-84, ISBN 978-86-7672-203-7, UDK: 37.01:004(082)
10.	Popov S., Ćosić Đ., Sakulski D., Velemir M.: MOGUĆNOST PRIMENE SATELITSKIH SNIMAKA ZA POTREBE KONTINUALNOG PRAĆENJA INDIKATORA HAZARDA NA TERITORIJI VOJVODINE, 19. YU INFO, Kopaonik: Društvo za informacione sisteme i računarske mreže, 3-6 Mart, 2013, pp. 173-177, ISBN 978-86-85525-11-7

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

Quotation total :	0			
Total of SCI(SSCI) list papers :	6			
Current projects :	Domestic :	2	International :	1

Study Programme Accreditation

MASTER ACADEMIC STUDIES — Disaster Risk Management and Fire Safety

Science, arts and professional qualifications

Name and last name:	Jakšić D. Željko
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.10.1989
Scientific or art field:	Building Engineering - Construction and Architectural Constructions

Academic carieer	Year	Institution	Field
Academic title election:	2013		Building Engineering - Construction and Architectural Constructions
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Architecture
Magister thesis	1996	Faculty of Architecture - Beograd	Architecture
Bachelor's thesis	1988	Faculty of Architecture - Beograd	Architecture

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

	ID	Course name	Study programme name, study type
1.	GG16	Building Engineering 2	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG31	Technology and Building Organization 1	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG405	Finishing Operations and Installation in Facilities	(G00) Civil Engineering, Undergraduate Academic Studies
4.	URZP24	Fundamentals of Technical Documentation Design	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	Z202A	Building and Environment	(Z01) Safety at Work, Undergraduate Academic Studies (ZF0) Environmental Engineering, Undergraduate Academic Studies
6.	Z423A	Natural Building Materials	(ZF0) Environmental Engineering, Undergraduate Academic Studies
7.	A403	Architectural technology 2	(A00) Architecture, Undergraduate Academic Studies
8.	GG37	Basics of design in civil engineering structures	(G00) Civil Engineering, Undergraduate Academic Studies
9.	ZR302A	Safety at work in construction	(Z01) Safety at Work, Undergraduate Academic Studies
10.	ZRI43A	Management of safety at work process in construction	(Z01) Safety at Work, Undergraduate Academic Studies
11.	ZP514	Planning and organizing activities during events with catastrophic consequences	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Transformacija vojvođanske kuće u tip gradskog stana, Arhitektonski fakultet Beograd, 1996., Beograd
2.	The Protection of the Residential Function in the Inherited Urban Matrix, International Conference "Architecture - urbanism at the turn of the third millenium, Faculty of Architecture University of Belgrade, Volume 1, Belgrade, November 1996, pp. 213-219.
3.	Integration of the Habitation Function - Residence Surroundings at a Neighbourhood Unit Level, International Conference "Architecture - urbanism at the turn of the third millenium, Faculty of Architecture University of Belgrade, Volume 1, Belgrade, November 1996, pp. 529 - 535.
4.	The relationship between traditional heritage and contemporary housing practice - a study, Regional conference CIB-63: ˝Affordable housing within iNDIS?97˝,12-14 Novembar 1997., Novi Sad, Yugoslavia, pp. 67-73.
5.	Architectural and Constructive-Technological Solutions for Balconies and Loggies in Yugoslav Industrialized Systems, 1-st International congress on Balcony 1998, IBK, Proceedings, Berlin, S. 11/1 - S. 11/13.
6.	Rekonstrukcija panelnih zgrada osavremenjavanjem fasada i balkona, INDIS 2000, ˝Industrijsko građenje˝, Zbornk radova, Knjiga I, Novi Sad, str. 57 - 62 (editori R. Folić i S. Vuković).
7.	Earth used in structuring - low energy buildings, Proceedings, Via Expo - International congress on energy, Sofia, Bulgaria.
8.	Accessibility leveles of participants in the process of modelling residential environment, INDIS 2006, 10th National and 4th Internacional scientific meeting, Proceedings, Novi Sad, pp. 295 - 302 (editors R. Folić i V. Radonjanin, M. Trivunić).

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

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

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.	H310	Components of technological systems	(H00) Mechatronics, Undergraduate Academic Studies
2.	URZP17	Devices and systems in fire protection	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	URZP40	Stationary Systems for Fire Extinguishing	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	URZP45	Mobile Equipment and Fire Extinguishing Equipment	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	II1011	Automation of work processes 1	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	II1038	Automation of work processes 2	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	II1050	TRIBOLOGY AND LUBRICATION	(I10) Industrial Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies
8.	IM1008	Processes and Work Equipment	(I10) Industrial Engineering, Undergraduate Academic Studies (I20) Engineering Management, Undergraduate Academic Studies
9.	IMDS58	Selected Chapters in Hydraulic Systems	(I12) Industrial Engineering, Specialised Academic Studies
10.	IMDS95	Trends in Customer Relationship Management	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
11.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
12.	ZP507	Design and Maintenance of Stationary Fire Extinguishing Systems	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
13.	IMDR58	Selected Chapters in Hydraulic Systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
14.	IMDR94	Trends in the environmental management systems	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
15.	IMDR95	Trends in Customer Relationship Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	IMDR74	Selected Topics in Quality Management and Logistics	(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,

Representative refferences (minimum 5, not more than 10)

4.	V.Karanović, M.Jocanović, V.Jovanović: Review of Development Stages in the Conceptual Design of an Electro-Hydraulic Actuator for Robotics, Acta Polytechnica Hungarica, 2014, Vol. 11, No. 5, pp. 59-79, UDK: 621.643, ISSN 1785-8860
5.	Knežević D., Milovanović Z., Milašinović A., Jocanović M.: Determination of the Flow Rate Through Long Radial Clearances Inside Hydraulic Components, Engineering and Automation Problems, International Journal, 2012, Vol. 1, No 2, pp. 23-31, ISSN 0234-6206, UDK: 532
6.	V.Savić, M.Jocanović, D.Jurišić: Motorna ulja - o uljima za podmazivanje motora sa unutrašnjim sagorevanjem, IKOS, Novi Sad, 2006.
7.	M.Jocanović, V.Karanović, A.Ivanišević, D.Knežević: HYDRAULIC HAMMER EXCAVATOR FAILURE DUE TO SOLID PARTICLE CONTAMINATION, Military Technical Courier, 2014, Vol.62, No. 1, pp.112-129, UDC:623+355/359, ISSN 0042-8469, COBISS. SR-ID 4423938, DOI:10.5937/vojtehg62-4676
8.	Savić V., Karanović V., Jocanović M., Knežević D.: Pressure drop in hydraulic pipeline system - Identification of real basis for calculation of mineral hydraulic oil flow, Fluidna tehnika, 2009, Vol. 5, pp. 133-148, ISSN 0353-6114, 5. Fluid Power, Maribor: Mašinski fakultet univerziteta u Mariboru, 17-18 Septembar, 2009, pp. 133-148, ISBN 978-961-248-176-6, UDK: 621.51/.54(063)(082)
9.	Jocanović M., Dušan B., Karanović V., Geaverts R.: Industrial Aplication of Automatic Lubrication Systems, 6. Fluid Power, Maribor: Univerzitet v Maribor, Fakultet za strojništvo, 15-16 Septembar, 2011, pp. 409-418, ISBN 978-961-248-290-9, UDK: 621.51/54 (082), 681.523 (082)
10.	Jocanović M., Karanović V., Knežević D.: APPLICATION OF GEAR REDUCER OILS IN FOOD PROCESSING INDUSTRY, 11. International Conference on Accomplishments in Electrical and Mechanical Engineering and Information Technology - DEMI, Banja Luka: University of Banja Luka, faculty of Mechanical Engineering, 30-1 Maj, 2013, pp. 999-1004, ISBN 978-99938-39-45-301, UDK: 621.3(048), 621(048), 004(048)

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

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

Science, arts and professional qualifications

Name and last name:	Juhas T. Anamarija
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.11.1990
Scientific or art field:	Theoretical Electrotechnics

Academic carieer	Year	Institution	Field
Academic title election:	2010	Faculty of Technical Sciences - Novi Sad	Theoretical Electrotechnics
PhD thesis	2009	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering
Magister thesis	1994	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1990	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

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

	ID	Course name	Study programme name, study type
1.	EE300	Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	I087	Electrical Engineering in Industrial Engineering	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	M112	Electrical Engineering and Electric Machines	(M20) Mechanization and Construction Engineering, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies (P00) Production Engineering, Undergraduate Academic Studies (S00) Traffic and Transport Engineering, Undergraduate Academic Studies (S01) Postal Traffic and Telecommunications, Undergraduate Academic Studies
4.	Z107	Electrical Engineering, Environment and Protection	(Z01) Safety at Work, Undergraduate Academic Studies (ZF0) Environmental Engineering, Undergraduate Academic Studies
5.	ETI26	RF and microwave technique	(E02) Electronics and Telecommunications, Undergraduate Professional Studies
6.	II1007	Fundamental electrical engineering	(I10) Industrial Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	URZP12	Introduction to electrical engineering	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
8.	URZP55	Fire and Explosion Protection due to Electricity	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
9.	EE543	Electro Magnetic Energy	(E10) Power, Electronic and Telecommunication Engineering, Master Academic Studies
10.	DE208S	Selected Chapters on Electromagnetic Compatibility	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
11.	DE408S	Selected chapters inl electromagnetics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
12.	DE208	Selected Chapters on Electromagnetic Compatibility	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
13.	DE408	Selected Chapters in Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. A. Juhas, L. A. Novak, “Comments on “Class-E, Class-C, and Class-F power amplifier based upon a finite number of harmonics”,” IEEE Transactions of Microwave Theory and Techniques, vol. 57, no. 6, pp. 1623-1625, June 2009. ISSN 0018-9480.

2. Anamarija Juhas and Ladislav A. Novak, “Maximally Flat Waveforms with Finite Number of Harmonics in Class-F Power Amplifiers,” Mathematical Problems in Engineering, vol. 2013, Article ID 169590, 9 pages, 2013.

Representative refferences (minimum 5, not more than 10)

3.	A. Juhas, L. A. Novak,S Kostić, "Signals with Flattened Extrema in Balance Power Analysis of HFHPTA: Theory and Applications", IEEE Transactions on Broadcasting, vol. 47, no. 1, pp.38-45, 2001. ISSN 0018-9316
4.	S. Kostić, L. A. Novak, A. Juhas, "Increasing Efficiency and Output Power of HFHPTA by Injection of Two Harmonics", IEEE Transactions on Broadcasting, vol. 47, no. 1, pp.32-37, 2001. ISSN 0018-9316
5.	D. Herceg, A. Juhas, M. Milutinov,." A design of a four square coil system for a biomagnetic experiment," Facta universitatis - series: Electronics and Energetics, 2009, Vol. 22, No 3, pp. 285-292. ISSN 0353-3670
6.	L. A. Novak, A. Juhas, "O broju maksimuma u dvočlanim složenoperiodičnim funkcijama: krive katastrofa", Elektrotehnika, br. 1-2, pp. E7-E10, 1994.
7.	A. Juhas, M. Milutinov, M. Prša, "Magnetic field of multi-line power system", Scientific bulletin of the "Politehnica" University of Timisoara, Proceedings of the 7th Int. Power Systems Conf., Timisoara, Romania, 22-23 Nov. 2007, Tom 52, pp. 319-328. ISSN 1582-7194.
8.	M. Milutinov, A. Juhas, M. Prša, "Electric and magnetic field in vicinity of overhead multi-line power system", Acta Electrotehnica, Proceedings of the 2nd Int.l Conf. on Modern Power Systems MPS 2008, Cluj-Napoca, Romania, 12-14 Nov.r 2008, pp. 313-316. ISSN 1841-3323.
9.	A. Juhas, M. Milutinov, N. Pekarić-Nađ, "Iskustva u primeni nacionalnih pravilnika o nejonizujućim zračenjima", Telekomunikacije, No 7, pp. 70-77, 2011. ISSN 1820-7782
10.	A. Juhas, M. Milutinov, D. Herceg, M. Prša, N. Pekarić-Nađ, "Uređaj za generisanje homogenog magnetskog polja kontrolisanog intenziteta za potrebe biomagnetskih ekspreimenata",Tehničko rešenje, decembar 2010.

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

Quotation total :	5			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	1	International :	0

Science, arts and professional qualifications

Name and last name:	Kočetov-Mišulić Đ. Tatjana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.1989
Scientific or art field:	Konstrukcije u građevinarstvu

Academic carieer	Year	Institution	Field
Academic title election:	2009	Faculty of Technical Sciences - Novi Sad	Konstrukcije u građevinarstvu
PhD thesis	2008	Faculty of Technical Sciences - Novi Sad	Constructions in Civil Engineering
Magister thesis	1997	Faculty of Technical Sciences - Novi Sad	Constructions in Civil Engineering
Bachelor's thesis	1988	Faculty of Technical Sciences - Novi Sad	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.	GG203	Actions on Structures	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG34	Timber Structures	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GI308A	Fundamentals in Civil Engineering	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	A305	Bearing structures 1	(A00) Architecture, Undergraduate Academic Studies
5.	A502	Theory of structures and structural systems	(A00) Architecture, Undergraduate Academic Studies
6.	GG37	Basics of design in civil engineering structures	(G00) Civil Engineering, Undergraduate Academic Studies
7.	GG411	Masonry structures	(G00) Civil Engineering, Undergraduate Academic Studies
8.	AD0009	Complex Timber Structures	(AD0) Digital Techniques, Design and Production in Architecture and Urban Planning, Master Academic Studies
9.	URZP62	Assessment of Damaged Structures	(OM1) Mathematics in Engineering, Master Academic Studies (ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
10.	GG514	Special Timber Structures	(G00) Civil Engineering, Master Academic Studies
11.	GG517	Damages and Repair of Masonry, Steel and Timber Structures	(G00) Civil Engineering, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Zakić, B., Kočetov Mišulić, T., Čakić, B. (1998): "Montažne drvene kuće u svetu i kod nas". Univerzitet u Prištini, Priština, SRJ, 105 str.
2. Zakić, B., Lekić, R., Đukić, Lj., Kočetov, T. (1992): "Naponsko stanje u truss joist nosačima". "Materijali i konstrukcije", br. 1-2, Beograd, SRJ, str. 30-36.
3. Zakić, B., Kočetov Mišulić, T. (2000): "Osnovi plastične teorije kod drveta". "Materijali i konstrukcije", Beograd, SRJ, 43 br. 3-4, str. 37-40.
4. Zakić, B., Kočetov, T. (1994): "Composite beam structures - wood and concrete". Proceedings of 4th ASCCS International Conference on Steel-Concrete Composite Structures, Košice, Slovakia, pp. 328-334.
5. Kočetov Mišulić, T., Gramatikov, K. (2003): "Proračun i ispitivanje veza u drvenim konstrukcijama prema EC-5 i EN standardima". Zbornik radova INDIS 2003. - 9.og nacionalnog simpozijuma, Novi Sad, SCG, str. 291-298.
6. Kočetov Mišulić, T., Stevanović, B. (2005): "Preporuke za održavanje, praćenje, i ocenu stanja drvenih konstrukcija". Zbornik radova IV naučno-stručnog savetovanja Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, str.175-180.
7. Stevanović, B., Kočetov Mišulić, T. (2005): "Faktori obezbeđenja trajnosti i zaštita drvenih konstrukcija". Zbornik radova IV naučno-stručnog savetovanja Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Zlatibor, SCG, str.181-186.
8. Kočetov Mišulić T., Stevanović B. (2008): "Eksperimentalna podloga za uvodjenje klasa čvrstoće četinarske rezane građe na domeće tržište" „Materijali i konstrukcije“, br. 4, Beograd, str. 50-62.
9. Kočetov Mišulić, T., Gramatikov, K. (2005): "Experimentally supported investigation of in row nailed connections under monotone and cyclic loadings". Proceedings of the 11th International MASE Symposium, Ohrid, Republic Macedonia, SI-2, pp. 275-280.
10. Zakić, B., Janković, D., Kovačević, D., Kočetov, T. (1990): "Izmereni smičući i glavni naponi kod lameliranih lepljenih konstrukcija". Zbornik radova IX Kongresa JUDIMK-a, Novi Sad, SFRJ, Knjiga II, str. 265-273.

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

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

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	(IIF) Information and Financial Engineering, Undergraduate Academic Studies (E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
2.	E135B	Mathematical Analysis 2	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	EOS07	Mathematics 2	(E01) Power Engineering - Renewble Sources of Electrical Energy, Undergraduate Professional Studies
4.	F101	Mathematics	(F00) Graphic Engineering and Design, Undergraduate Academic Studies
5.	GI107	Mathematical Analysis 1	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
6.	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
7.	M4202	Applied Mathematical Analysis	(M40) Technical Mechanics and Technical Design, Undergraduate Academic Studies
8.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (ZTF) Environmental 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.	D0M01	Functional Analysis 1	(OM1) Mathematics in Engineering, Doctoral Academic Studies
11.	D0M19	Functional Analysis 2	(OM1) Mathematics in Engineering, Doctoral Academic Studies

Study Programme Accreditation

MASTER ACADEMIC STUDIES — Disaster Risk Management and Fire Safety

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

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

Representative refferences (minimum 5, not more than 10)

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

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

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

Science, arts and professional qualifications

Name and last name:	Krnjetin S. Slobodan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.09.2000
Scientific or art field:	Environment Protection Engineering

Academic carieer	Year	Institution	Field
Academic title election:	2010		Environment Protection Engineering
PhD thesis	1999	Faculty of Technical Sciences - Novi Sad	Civil Engineering
Magister thesis	1991	Faculty of Technical Sciences - Novi Sad	Civil Engineering
Bachelor's thesis	1979	Faculty of Technical Sciences - Novi Sad	Civil Engineering

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

	ID	Course name	Study programme name, study type
1.	A310	Ecology and the Built Environment	(A00) Architecture, Undergraduate Academic Studies
2.	GG407	Ecology and Protection of Built Environment	(G00) Civil Engineering, Undergraduate Academic Studies
3.	Z202A	Building and Environment	(Z01) Safety at Work, Undergraduate Academic Studies (ZF0) Environmental Engineering, Undergraduate Academic Studies
4.	Z423A	Natural Building Materials	(ZF0) Environmental Engineering, Undergraduate Academic Studies
5.	ZR404	Occupational Safety Systems, Means and Equipment	(Z01) Safety at Work, Undergraduate Academic Studies
6.	ASI322	Ecology in culture and art	(AS0) Scene Architecture, Technique and Design, Undergraduate Academic Studies
7.	ZP509	Investigation of Fire and Explosion	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (I20) Engineering Management, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Krnjetin S.. Graditeljstvo i zaštita životne sredine, Prometej, Novi Sad, 2001. str.386
2.	Krnjetin S.: Građevinarstvo i urbanizam, 1989. VTŠ, Novi Sad,
3.	Krnjetin S.: Monografija Graditeljstvo i zaštita životne sredine, (drugo izmenjeno i dopunjeno izdanje), Prometej, Novi Sad, 2004. str. 455
4.	FIRE TEST 2 NOVI SOFTVER ZA POŽARNU ANALIZU UGRADA (VIZUEL BASIC), 1999. (prihvaćen i realizovan u najvećim osiguravajućim kompanijama Dunav osiguranjeBeograd i DDOR Novi Sad
5.	Krnjetin S..: Održiva arhitektura - niskoenergetske zgrade napravljene od zemlje, EKO - konferencija 2005. u Novom Sadu
6.	Krnjetin S., Krklješ M., Vrbaški B.: Zelena arhitektura - krovne bašte, XII Međunarodna EKO konferncija o zaštitit životne sredine gradova, Novi Sad, 2009.
7.	Vrbaški B., Krnjetin S.: Strategic Envirinmental Impact Assessment - Experences of the Serbia, Časopis Prostor 17 (2009) 1(37), Arhitektonski fakultet, Zagreb, pp 186-191, 2009.
8.	Vrbaški B., Krnjetin S.:Problems associated with the preparation of strategic environmental impact assessment of plans, Časopis Ecologica 16 (2009), Beograd,
9.	Krnjetin S., Krnjetin O.: Modeling the evacuation of people in the fire, Monitoring and expertizse in safety engineering - Scientific and expert journal, No.3. 1012, VTSS, Novi Sad and ST.Petersburg University of State fire service of emercom of russia, 2012. ISSN 2217-6608
10.	Krnjetin S., Konstatinović D., Zeković M.: Building with Earth Materials - reevaluting tradition of the region - Research Overview Časopis ECOLOGICA 14 (2007) No 50, Beograd,

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

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

Science, arts and professional qualifications

Name and last name:	Laban Đ. Mirjana
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.04.2013
Scientific or art field:	Materials in Civil Engineering, Condition Assesment and Construction

Academic carieer	Year	Institution	Field
Academic title election:	2013		Materials in Civil Engineering, Condition Assesment and Construction Sanation
PhD thesis	2012	Faculty of Technical Sciences - Novi Sad	Architectural-Urbanistic Planning, Design and Theory
Magister thesis	2005	Faculty of Technical Sciences - Novi Sad	Architecture
Bachelor's thesis	1992	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management

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

	ID	Course name	Study programme name, study type
1.	URZP21	Risk Management and Sustainable Settlement Development	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP22	Safety Aspects in the Built Environment	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	URZP24	Fundamentals of Technical Documentation Design	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	URZP41	Disasters and Vulnerability	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	ZP503	Fire Protection Planning and Design	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	ZP505	Fire Safety Engineering Design of Structures	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	ZP512	Protection and Rescue Plans	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
8.	IM2718	Fire Risk Management in Industry	(OM1) Mathematics in Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
9.	ZCM06	Security of strategic energy facilities	(ZC0) Clean Energy Technologies, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Laban M., Folić R.: Energy efficiency of industrially made buildings influenced by thermal properties of façades, Thermal Science, 2012, ISSN 0354-9836, UDK: DOI:10.2298/TSCI120417147L, http://www.doiserbia.nb.rs/issue.aspx?issueid=1644
2.	Milanko V., Laban M., Gavanski D.: Analiza uticaja uslova skladištenja na očuvanje kvaliteta zrna soje i sprečavanje procesa samozagrevanja i pojave požara, "Hemijska industrija", 2012, Vol. 66, No 4, pp. 587-594, UDK: 633.34:631.24
3.	Folić R., Laban M., Milanko V.: Reliability and sustainability analysis of large panel residential buildings in Sofia, Skopje and Novi Sad, Facta universitatis - series: Architecture and Civil Engineering, 2011, Vol. 9, No 1, pp. 161-176, ISSN 0354–4605, UDK: UDC 728.2(497.223)(497.17)(497.113)=111
4.	Laban M., Folić B., Dražić J.: Fire safety assessment of enclosed residential blocks, 8. Assessment, maintenance and rehabilitation of structures and settlements, Borsko jezero: Savez građevinskih inženjera Srbije u saradnji sa Institutom IMS, Beograd i Rudarsko-topioničarski basen Bor, 14-16 Maj, 2013, pp. 405-412, ISBN 978-86-88877-03-7
5.	Laban M., Folić R.: Conceptual analysis of residential buildings' facades applied in industrial building systems in Novi Sad, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara, 19-21 Oktobar, 2011, pp. 311-318, ISBN ISBN 978-86-8715-02-
6.	*****Laban M., Folić R.: Obnova omotača prefabrikovanih višespratnih stambenih zgrada
7.	Milanko V., Laban M.: Požarna bezbednost građevinskih objekata, 13. Konferencija Savremena građevinska praksa, Andrevlje, 17-18 Maj, 2012, pp. 221-234, ISBN 078-86-7892-376-0
8.	Laban M.: Kontrola kvaliteta prefabrikovanih betonskih fasadnih elemenata nakon višegodišnje eksploatacije, Materijali i konstrukcije, 2006, Vol. 1, pp. 3-19, ISSN 0543-0798, UDK: UDK: 692.23:624.012.3536 = 861
9.	Milanko V., Laban M.: Procena požarne bezbednosti gradskih stambenih blokova u odnosu na prilazne puteve, 1. Međunarodna konferencija zaštita od požara i eksplozija, Novi Sad, 21-22 Oktobar, 2010, pp. 173-179
10.	Milanko V., Laban M., Folić B.: Ocena arhitektonsko-konstruktivnog koncepta požarnih stepeništa u funkciji požarne bezbednosti visokih stambenih zgrada, 6. Ocena stanja, održavanje i sanacija građevinskih objekata i naselja, Divčibare, 19-21 Maj, 2009, pp. 601-608, ISBN ISBN 978-86-904089-6

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

Science, arts and professional qualifications

Name and last name:	Malešev M. Mirjana
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	16.01.1984
Scientific or art field:	Materials in Civil Engineering, Condition Assesment and Construction

Academic carieer	Year	Institution	Field
Academic title election:	2013		Materials in Civil Engineering, Condition Assesment and Construction Sanation
PhD thesis	2003	Faculty of Civil Engineering - Beograd	Materials in Civil Engineering and Concrete Technology
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Materials in Civil Engineering and Concrete Technology
Bachelor's thesis	1983	Faculty of Technical Sciences - Novi Sad	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.	GG09	Materials in Construction 2	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG21	Concrete Technology	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG25	Theory on Concrete Structures 1	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GG28	Theory on Concrete Structures 2	(G00) Civil Engineering, Undergraduate Academic Studies
5.	A202	Structures, Materials and Building	(A00) Architecture, Undergraduate Academic Studies
6.	URZP13	Building materials and structures	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
7.	URZP62	Assessment of Damaged Structures	(OM1) Mathematics in Engineering, Master Academic Studies (ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
8.	GS009	Energy-efficient materials and diagnostic of building thermotechnical performances	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
9.	GS010	The design of energy efficient buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
10.	GS011	Energy revitalization of buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
11.	SDGI1A	Odabrana poglavlja iz građevinskih materijala i konstrukcija	(GI0) Geodesy and Geomatics, Specialised Academic Studies
12.	GG504	Durability and Assessment of Concrete Structures	(G00) Civil Engineering, Master Academic Studies
13.	GG517	Damages and Repair of Masonry, Steel and Timber Structures	(G00) Civil Engineering, Master Academic Studies
14.	GG518	Repair of Concrete Structures	(G00) Civil Engineering, Master Academic Studies
15.	GG521	Construction Business and Regulative	(G00) Civil Engineering, Master Academic Studies
16.	GP502	Bridge Management	(G00) Civil Engineering, Master Academic Studies
17.	GD005	Selected Chapters in Concrete Theory and Technology	(G00) Civil Engineering, Doctoral Academic Studies
18.	GD012	Selected Chapters in Science on Materials	(G00) Civil Engineering, Doctoral Academic Studies
19.	GD015	Rheology of Concrete Structures	(G00) Civil Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Malešev,M. (1994) Primena metode ultrazvuka pri određivanju otpornosti betona na dejstvo mraza, Magistarska teza
2. Malešev,M. (2003) Parametarska analiza uticaja novih vrsta cementa proizvedenih prema EN 197-1 na osnovna svojstva betona, Doktorska disertacija
3. Malešev, M., Folić, R., Muravljov, M., Radonjanin, V. (1996): Eksperimentalno istraživanje zavisnosti između brzine ultrazvuka i otpornosti betona na dejstvo mraza, XX Kongres JUDIMK, Cetinje, str. 73 - 79.
4. Radonjanin, V., Malešev, M. (1997): Concrete Quality Control by Using Statistical Methods, Bulletins for Applied & Computer Mathematics, BAM-1324, Vol.LXXXIB, Budapest, Hungary, pp. 95-104.
5. Stojanović G., Radovanović M., Malešev M., Radonjanin V.: Monitoring of Water Content in Building Materials Using a Wireless Passive Sensor, Sensors, 2010, Vol. 10, No 5, pp. 4270-4280, ISSN 1424-8220, UDK: 10.3390/s100504270

Representative refferences (minimum 5, not more than 10)

6.	Malešev M., Radonjanin V., Radeka M., Milovanović V., Lukić I.: Basic properties of structural lightweight aggregate concrete in relation to type and quantity of cementitious materials - part 1, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, Beograd, 19-21 Oktobar, 2011, pp. 159-168, ISBN 978-86-87615-02-1
7.	Radonjanin V., Malešev M., Radeka M., Lukić I., Milovanović V.: Basic properties of structural lightweight aggregate concrete in relation to type and quantity of cementitious materials - part 2, 1. International Symposium about Research and Application of Modern Achievements in Civil Engineering in the Field of Materials and Structures, Tara: Društvo za ispitivanje i istraživanje materijala i konstrukcija Srbije, Beograd, 19-21 Oktobar, 2011, pp. 169-178, ISBN 978-86-87615-02-1
8.	Malešev M., Radonjanin V., Emhemd Saed M., Milovanović V.: Zeleni betoni-nove mogućnosti održivog građevinarstva, 12. Konferencija Savremena građevinska praksa, Andrevlje: Fakultet tehničkih nauka i Društvo građevinskih inženjera Novog Sada, 19-20 Maj, 2011, pp. 209-226, ISBN 978-86-7892-324-1
9.	Marinković S., Radonjanin V., Malešev M., Ignjatović I.: Comparative environmental assessment of natural and recycled aggregate concrete, Waste Management, 2010, Vol. 30, No 11, pp. 2255-2264, ISSN 0956-053X, UDK: doi: 10.1016/j.wasman.2010.04.012
10.	Maksimović M., Stojanović G., Radovanović M., Malešev M., Radonjanin V., Radosavljević G., Smetana W.: Application of a LTCC sensor for measuring moisture content of building materials, Construction and Buildings Materials, 2012, Vol. 26, No 1, pp. 327-333, ISSN 0950-0618(02)00045-4, UDK: 10.1016/j.conbuildmat.2011.06.029

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

Quotation total :	4			
Total of SCI(SSCI) list papers :	11			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Medić S. Slavica
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.10.1999
Scientific or art field:	Mathematics

Academic carieer	Year	Institution	Field
Academic title election:	2014		Mathematics
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.	E135B	Mathematical Analysis 2	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	E212	Mathematical Analysis 1	(E20) Computing and Control Engineering, Undergraduate Academic Studies
3.	E212S	Matematička analiza	(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
4.	IA017	Image Based Modeling	(F10) Engineering Animation, Undergraduate Academic Studies
5.	E102	Mathematical Analysis 1	(IIF) Information and Financial Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
6.	IA013	Interactive Engineering Graphics	(F10) Engineering Animation, Undergraduate Academic Studies
7.	IGB052	Engineering Animation and Other Media	(F10) Engineering Animation, Undergraduate Academic Studies
8.	E102A	Mathematical Analysis 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
9.	IA002	Mathematical Analysis	(F10) Engineering Animation, Undergraduate Academic Studies
10.	0M501	Elements of Topology	(OM1) Mathematics in Engineering, Master Academic Studies
11.	GS012	Selected Chapters in Mathematics	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
12.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (ZTF) Environmental engineering, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	M. Štrboja, T. Grbić, I. Štajner-Papuga, G. Grujić, S. Medić, Jensen and Chebyshev inequalities for pseudo-integrals of set-valued functions, FSS, 2013, pp 18-32
2.	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, 2013, pp 23-41, DOI:10.1007/978-3-642-33959-2_2, ISBN 978-3-642-33958-5
3.	Mirjana Štrboja, Tatjana Grbić, Gabriela Grujić, Biljana Mihailović, Slavica Medić, Chebyshev Type Inequalities for Pseudo-Integrals of Set-Valued functions, SISY 2011, IEEE 9th International Symposium of Intelligent Systems and Informatics, Subotica, Serbia, 2011
4.	Kovačević, N. Ralević, V.Marić, B.Carić, M.Novković, S.Medić, Matematička analiza 1 - uvodni pojmovi i granični procesi, FTN (Edicija tehničke nauke - udžbenici), Novi Sad, 2012
5.	I. Kovačević, V.Marić, M. Novković, B.Carić, S.Medić, N.Ralević, Matematička analiza 1 - diferencijalni i integralni račun, obične diferencijalne jednačine, FTN (Edicija tehničke nauke - udžbenici), Novi Sad, 2012
6.	M. Novković, B. Carić,S.Medić, V.Ćurić, I. Kovačević, Zbirka rešenih zadataka iz Matematičke analize 1, FTN (Edicija tehničke nauke - udžbenici), Novi Sad, 2012
7.	I.Kovačević, B.Carić, S.Medić, V.Ćurić, Testovi sa ispita iz Matematičke analize 1, FTN (Edicija tehničke nauke - udžbenici), Novi Sad, 2012

Representative refferences (minimum 5, not more than 10)

8.	Medić S., Grbić T., Štajner-Papuga I., Grujić G.: Central g-moments of the order n for random variables, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 11-13 September, 2014
9.	Medić S., Grbić T., Perović A., Duraković N.: Interval-valued Chebyshev, Hölder and Minkowski inequalities based on g-integrals, 12. IEEE International Symposium on Intelligent Systems and Informatics (SISY), Subotica, 11-13 September, 2014
10.	Grbić T., Jovanović A., Medić S., Perović A.: A note on feature extraction based on Kanade-Shi-Tomasi procedure and Kalman filters, 16. SPECOM, Speech and Computer, Novi Sad, 5-9 Oktobar, 2014

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

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

Science, arts and professional qualifications

Name and last name:	Ninkov Đ. Toša
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	15.02.1994
Scientific or art field:	Geodesy

Academic carieer	Year	Institution	Field
Academic title election:	2002	Faculty of Technical Sciences - Novi Sad	Geodesy
PhD thesis	1982	Faculty of Civil Engineering - Beograd	Geodesy
Magister thesis	1979	Faculty of Civil Engineering - Beograd	Geodesy
Bachelor's thesis	1972	Faculty of Civil Engineering - Beograd	Geodesy

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

	ID	Course name	Study programme name, study type
1.	GI307A	Engineering Geodesy	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
2.	GI402	Engineering Geodesy 2	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
3.	GI009	Introduction to deformation measurement and analysis	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	GI516	Deformation analysis and measurements	(GI0) Geodesy and Geomatics, Master Academic Studies
5.	GI540	Valuation of real estate	(GI0) Geodesy and Geomatics, Master Academic Studies
6.	SDGI02	Selected topics in engineering geodesy	(GI0) Geodesy and Geomatics, Specialised Academic Studies
7.	SDGI11	Selected topics in deformation measurements and analysis	(GI0) Geodesy and Geomatics, Specialised Academic Studies
8.	SDGI14	Selected topics in geodetic networks and their optimization	(GI0) Geodesy and Geomatics, Specialised Academic Studies
9.	SDGI5D	Selected Chapters in the Mass Appraisal of Real Estate	(GI0) Geodesy and Geomatics, Specialised Academic Studies
10.	SDGI6A	Selected Chapters in Appraisal	(GI0) Geodesy and Geomatics, Specialised Academic Studies
11.	GI514	Engineering Geodesy 3	(GI0) Geodesy and Geomatics, Master Academic Studies
12.	URZP65	Geodetic methods for the determination of geodynamic movements	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
13.	GS005	Contemporary recording methods of energy losses of buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
14.	GH507	Engineering Geodesy	(G00) Civil Engineering, Master Academic Studies
15.	DGI012	Selected topics in integrated systems of surveying	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
16.	DGI015	Selected topics in geophysics	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
17.	DGI006	Selected Chapters in Real Estate Cadastre	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
18.	DGI010	Selected Chapters in Landscape Arrangement	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
19.	DGI011	Selected Chapters in Deformation Analysis and Measurements	(GI0) Geodesy and Geomatics, Doctoral Academic Studies
20.	DGI014	Selected Chapters in Geodesic Networks and Their Optimization	(GI0) Geodesy and Geomatics, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Ninkov, T. (1988): "Optimizacija projektovanja geodetskih mreža" Naučna knjiga, Gradjevinski fakultet, Beograd 1989
2. Ninkov, T. (1982): "A new method of land Surveying networks optimization". Meating of Study Eroup 5 B. Survey Control Networks; Alborg, edited by K. Borre i W.M. Welsch Rep 7 Schriftenreiche Wissenschaftlicher Studiengang Wermessungswesen der Hochschule der Bundeswehr Munchen, pp. 293-300.
3. Bulatović V., Sušić Z., Ninkov T.: Estimate of the ASTER-GDEM regional systematic errors and their removal, INT J REMOTE SENS, 2012, Vol. 33, No 18, pp. 5915-5926, ISSN 0143-1161
4. Tosa Ninkov, Miro Govedarica, Milan Trifkovic: One Method of Renewal of Stereographics Survey Data in Coka Municipality, Geodetski list: glasilo Hrvatskoga geodetskog društva. 68(88), (2011), 4; (IF 2010 0.038)
5. Govedarica Miro, Boskovic Dubravka, Petrovacki Dusan, Ninkov Tosa: Metadata Catalogues in Spatial Information Systems (Review) GEODETSKI LIST, (2010), vol. 64 br. 4, str. 313-334 (IF 2009 0.167)

Representative refferences (minimum 5, not more than 10)	
6.	Vladimir Bulatović, Toša Ninkov, Zoran Sušić: Open Geospatial Consortium Web Services Complex Distribution Systems, Geodetski list, (2009), br 1, str.13-29, (IF 2009 0.167)
7.	Jasmina Nedeljković Ostojić, Miro Govedarica, Toša Ninkov: Analysis of Structure Surveying Method by 3D Laser Scanners Geodetski list:glasilo Hrvatskoga geodetskog društva 65(88), (2011), 1; (IF 2010 0.038)
8.	Bulatović V., Ninkov T., Malenković V., Vulić M.: Contemporary Methods of Determining Energy Losses in Structures, TTEM. Tehnics tehnologies education management, 2012, Vol. 7, No 2, pp. 687-692, ISSN 1840-1503
9.	- Projekat informacionog sistema postojeće kanalizacione mreže Beograda i 3D modela sadržaja na fizičkoj površini zemlje koristeći GPS merenja, satelitski snimak sistema IKONOS i postojecu dokumentaciju (Beograd 2006)
10.	- GIS projekat Naftnog i gasnog distributivnog sistema QGPC-a (Qatar General Petroleum Corporation)1999-2000 Šef projekta za GIS

Summary data for teacher's scientific or art and professional activity:				
Quotation total :	86			
Total of SCI(SSCI) list papers :	5			
Current projects :	Domestic :	3	International :	2

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.	IM1820	The theory and practice of organizational socialization	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1913	Research Methodology for Human Resources 1	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1920	Organizational socialization	(I20) Engineering Management, Undergraduate Academic Studies
5.	IM1922	Value management	(I20) Engineering Management, Undergraduate Academic Studies
6.	IM2918	Human Resources Research Methodology 2	(I20) Engineering Management, Master Academic Studies
7.	IM2920	Personnel Management	(I20) Engineering Management, Master Academic Studies
8.	ZP506	Crisis Management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
9.	ZP515	Qualitative and quantitative methods of risk management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
10.	IMDS10	COGNITIVE MANAGEMENT	(I22) Engineering Management, Specialised Academic Studies
11.	IMDS99	Data ACQUISITION, ANALYSIS AND INTERPRETATION 2	(I22) Engineering Management, Specialised Academic Studies
12.	HR015	Ethical and legal aspects of human resources	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
13.	I077/S	Ethics in Education	(I20) Engineering Management, Specialised Professional Studies
14.	IMDS77	Selected Chapters from Human Resource Management	(I22) Engineering Management, Specialised Academic Studies
15.	IMDS84	Data ACQUISITION, ANALYSIS AND INTERPRETATION 1	(I22) Engineering Management, Specialised Academic Studies
16.	IMDR10	COGNITIVE MANAGEMENT	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR99	Data ACQUISITION, ANALYSIS AND INTERPRETATION 2	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
18.	IMDR77	Selected Chapters from Human Resource Management	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
19.	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

Representative refferences (minimum 5, not more than 10)

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

Science, arts and professional qualifications

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

Academic carieer	Year	Institution	Field
Academic title election:	2001	Faculty of Technical Sciences - Novi Sad	Theoretical Electrotechnics
PhD thesis	1984	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Magister thesis	1981	School of Electrical Engineering - Beograd	Electrical and Computer Engineering
Bachelor's thesis	1978	Faculty of Technical Sciences - Novi Sad	Electrical and Computer Engineering

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

	ID	Course name	Study programme name, study type
1.	E216	Fundamentals of Electrical Engineering	(E20) Computing and Control Engineering, Undergraduate Academic Studies (ES0) Power Software Engineering, Undergraduate Academic Studies
2.	EE300	Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies
3.	I087	Electrical Engineering in Industrial Engineering	(GI0) Geodesy and Geomatics, Undergraduate Academic Studies
4.	E105	Fundamentals of Electrical Engineering 1	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
5.	E110	Fundamentals of Electrical Engineering 2	(E10) Power, Electronic and Telecommunication Engineering, Undergraduate Academic Studies (MR0) Measurement and Control Engineering, Undergraduate Academic Studies
6.	II1007	Fundamental electrical engineering	(I10) Industrial Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	II1010	Control of technical systems	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	IM1022	Fundamentals of technical systems control	(I20) Engineering Management, Undergraduate Academic Studies (M20) Mechanization and Construction Engineering, Undergraduate Academic Studies
9.	URZP12	Introduction to electrical engineering	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
10.	URZP55	Fire and Explosion Protection due to Electricity	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
11.	DE208S	Selected Chapters on Electromagnetic Compatibility	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
12.	DE408S	Selected chapters inl electromagnetics	(E11) Power, Electronic and Telecommunication Engineering, Specialised Academic Studies
13.	DE208	Selected Chapters on Electromagnetic Compatibility	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies
14.	DE408	Selected Chapters in Electromagnetics	(E10) Power, Electronic and Telecommunication Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Neda Pekarić-Nadj, Vera Bajović, “Izbor rešenih problema iz Osnova elektrotehnike”, Gradjevinska knjiga, Beograd, 2007
2. Neda Pekarić-Nadj, Dejana Herceg, “Osnovi elektrotehnike za studente Računarskog odseka” edicja FTN, Novi Sad, 2005
3. Nikolajević S, Pekarić-Nadj N, Dimitrijević R, "Optimization of cable terminations", IEEE Trans. PWRD,Vol.12, No 2, 1997 p.p. 527-532

Representative refferences (minimum 5, not more than 10)

4.	Nikolajević S, Pekarić-Nadj N, Dimitrijević R, "A new concept in construction of cable terminations for medium voltages", IEEE Trans. Power Delivery, Volume 13, No. 3, July 1998, p.p. 712-718
5.	Šećerov Sokolović R., Sokolović S., Mihajlović Đ., Gelei T., Pekarić Nađ N., Šević S.: Effect of pulsed electromagnetic field on crude oil rheology, Industrial and Engineering Chemistry Research, 1998, Vol. 37, No 12, pp 4828-4834, ISSN 0888-5885
6.	Buranj N., Milutinov M., Pekarić Nađ N.: Uređaj za izlaganje malih tečnih uzoraka magnetskom polju, 2011
7.	Juhas A., Pekarić Nađ N., Herceg D.: Estimation of Human Exposure to Combined RF EM Field of Multiple Antennas, 5. International PhD Seminar on Computational Electromegnetics and Optimization inElectrical Engineering CEMOEE, Sofija: Proceedings of International PhD Seminar on Computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 September, 2010, 10-13 Septembar, 2010, pp. 27-31, ISBN 978-954-438-856-0
8.	Herceg D., Pekarić Nađ N., Juhas A.: Shield shape influence on a coreless probe inductance, 5. International PhD Seminar on Computational Electromegnetics and Optimization inElectrical Engineering CEMOEE, Sofija: Proceedings of International PhD Seminar on Computational electromagnetics and optimization in electrical engineering – CEMOEE 2010, Sofia, Bulgaria, 10-13 September, 2010, 10-13 Septembar, 2010, pp. 18-21, ISBN 978-954-438-856
9.	Milutinov M., Juhas A., Pekarić Nađ N.: Power line currents data extraction from magnetic field measurements, 17. International Symposium on Electrical Apparatus and Technologies – SIELA, Bourgas, 28-30 Maj, 2012, pp. 226-231, ISBN 1314-6297
10.	Dimitrijević R., Tasić D., Raičević N., Aleksić S., Pekarić Nađ N.: Analysis of a MV XLPE Cable Termination Design with Embedded Electrodes, Facta universitatis - series: Electronics and Energetics, 2010, Vol. 23, No 1, pp. 99-117, ISSN 0353-3670

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

Quotation total :	16			
Total of SCI(SSCI) list papers :	3			
Current projects :	Domestic :	2	International :	1

Science, arts and professional qualifications

Name and last name:	Peško N. Igor
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.12.2006
Scientific or art field:	Organization, Construction Technology and Management

Academic carieer	Year	Institution	Field
Academic title election:	2014	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management
PhD thesis	2013	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management
Master's thesis	2006	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management

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

	ID	Course name	Study programme name, study type
1.	A374	Project and Construction Management 1	(A00) Architecture, Undergraduate Academic Studies
2.	A394	Project and Building Management 2	(AH0) Architecture, Master Academic Studies
3.	ZP514	Planning and organizing activities during events with catastrophic consequences	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Radović N., Mirković K., Šešlija M., Peško I.: OUTPUT AND PERFORMANCE BASED ROAD MAINTENANCE CONTRACTING – CASE STUDY SERBIA, Tehnicki vjesnik - Technical Gazette, 2014, Vol. 3, No 21, pp. 681-688, ISSN 1330-3651, UDK: 347.44:625.76(497.11)
2.	Peško I., Trivunić M., Ćirović G., Mučenski V.: A Preliminary Estimate of Time and Cost in Urban Road Construction Using Neural Networks (in print), Tehnički vjesnik/Technical Gazette, 2013, Vol. 20, No 3, ISSN 1330-3651
3.	Mučenski V., Peško I., Trivunić M., Ćirović G., Dražić J.: Identification of Injury Risk in Building Construction - Education, Experience and Type of Works, Tehnicki vjesnik - Technical Gazette, 2013, Vol. 20, No 6, pp. 1011-1017, ISSN 1330-3651, UDK: 331.463:69]:311.313(497.113)
4.	Mučenski V., Trivunić M., Ćirović G., Peško I., Dražić J.: Estimation of Recycling Capacity of Multi-storey Building Structures Using Artificial Neural Networks, Acta Polytechnica Hungarica, 2013, Vol. 10, No 4, pp. 175-192, ISSN 1785-8860, UDK: 10.12700/APH.10.04.2013.4.11
5.	Radović N., Šešlija M., Peško I.: Ekspertne projektne analize u procesu gospodarenja održavanjem cesta, Građevinar, Zagreb, 2013, No 7, pp. 641-652, UDK: 725.76.001.3:69.008
6.	Mučenski V., Peško I., Trivunić M., Dražić J., Cirović G.: Optimization for Estimating the Amount of Concrete and Reinforcement Required for Multy-storey Buildings, Građevinski materijali i konstrukcije, 2012, Vol. 55, No 2, pp. 27-46, ISSN 0543-0798, UDK: 004.032.26:691.32=861
7.	Mohači D., Mučenski V., Trivunić M., Peško I.: Choosing an Optimal Type of Facade Wall Using „Designbuilder“ Software Package, Materijali i konstrukcije, 2010, No 53, pp. 3-13, ISSN 0543-0798, UDK: 692.232.45:044.4=861
8.	Peško I., Dražić J., Mučenski V., Trivunić M.: Preparing a Data Base for Estimating Seismic Damage on Buildings by Applyng ANN, Journal of APPLIED ENGINEERING SCIENCE, 2012, Vol. 10, No 1, pp. 21-26, ISSN 1451-4117, UDK: 33
9.	Mučenski V., Peško I., Trivunić M.: Sistemski pristup podeli rizika sa aspekta izvođača radova, Zbornik radova Građevinskog fakulteta Subotica, 2007, No 16, pp. 207-212, ISSN 0352-6852, UDK: 69.05:005.334
10.	Peško I., Ćirović G., Mučenski V., Tepić Ž., Dražić J., Trivunić M.: Analysis and Preparation of Date in Neural Networks Calculation Stage for the Purpose of Creating Business Proposals, 10. International Conference Organization Technology and Management in Construction, Šibenik: Faculty of Civil Engineering University of Zagreb, Croatian Association for Constructiom Management, 7-10 Septembar, 2011, ISBN 978-953-7686-01-7

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

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

Science, arts and professional qualifications

Name and last name:	Petrović R. Jovan
Academic title:	Associate Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.01.1982
Scientific or art field:	Thermal Energetics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Thermal Energetics
PhD thesis	2007	Faculty of Technical Sciences - Novi Sad	Thermal Energetics and Thermotechnics
Magister thesis	2002	Faculty of Agriculture - Novi Sad	Process Technics
Bachelor's thesis	1978	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.	I079	Modern Energy Technologies	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
2.	M3304	Boiler Plants	(M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	M3406	Heat Apparatus	(M30) Energy and Process Engineering, Undergraduate Academic Studies
4.	M3409A	Modern Energy Technologies	(M30) Energy and Process Engineering, Undergraduate Academic Studies
5.	M3041	Cogeneration facilities	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
6.	M3497	Energy audits	(M30) Energy and Process Engineering, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	M3518	Energy Management	(M30) Energy and Process Engineering, Master Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies
8.	ZC046	Energy strategy	(ZC0) Clean Energy Technologies, Undergraduate Academic Studies
9.	M3M01	Implementation of Energy Management in Industry and Buildings	(ZC0) Clean Energy Technologies, Master Academic Studies
10.	M3515	Energy Systems	(M30) Energy and Process Engineering, Master Academic Studies
11.	URZP63	Safety of Strategic Energy Facilities	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
12.	GS003	Renewable Energy in Civil Engineering	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
13.	DM216	Energy Systems	(M00) Mechanical Engineering, Doctoral Academic Studies
14.	DM217	Energy Management in Idustry	(M00) Mechanical Engineering, Doctoral Academic Studies
15.	DM218	Contemporary Energy Technologies	(M00) Mechanical Engineering, Doctoral Academic Studies
16.	DM219	Energy Politics	(M00) Mechanical Engineering, Doctoral Academic Studies
17.	DM333	Renewable Energy Resoruces	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Bojić M. at al: 24th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems - ECOSS 2011, Novi Sad, 2011, pages 3958, ISBN 978-86-6055-016-5 (member of editorial team)
2.	Ćosić I. at al: 4th Internationa Conference on Engineering Technologies ICET 2009, Novi Sad, 2009, pages 523, ISBN 978-86-7892-227-5 (member of editorial team)
3.	Gvozdenac, D., Menke, C., Vallikul, P., Petrović, J., Gvozdenac, B.: Assessment of potential for natural gas/based cogeneration in Thailand, Energy, Vol. 34, No.4, pp. 465–475.
4.	JOVAN R. PETROVIĆ, BRANKA GVOZDENAC – UROŠEVIĆ, JOSIP J. POLC: Reasons for heat demand changes and effects on planning and development of heating systems, Thermal Sciences, Year 2012, Vol. 16, Suppl. 1, pp S63-S77, ISSN 0354-9836, UDC 621

Representative refferences (minimum 5, not more than 10)

5.	MIROSLAV V. KLJAJIĆ, JOVAN R. PETROVIĆ: Applicability assessment of central and solar hot water system integration in Serbia, Thermal Sciences, Year 2012, Vol. 16, Suppl. 1, pp S63-S77, ISSN 0354-9836, UDC 621
6.	GVOZDENAC D, PETROVIC J, GVOZDENAC B.: Industrial Gas Turbine Operation Procedure Improvement, Thermal Science, Vol. 15 (2011), pages 17-28, UDC: 662.76.035/.036, DOI: 10.2298/TSCI100516012G
7.	PETROVIC J., GVOZDENAC D., PERUNOVIC P.: Monitoring of the Operating Thermal Performances in a Water Heating Boiler - Case Study; ENCONET NEWSLETTER, Prague, Czechoslovakia, No. 4, 1991
8.	GVOZDENAC D., PETROVIĆ J.: Specifična potrošnja energije u pivarskim postrojenjima; "ENERGIJA", Beorad, Br. 4, 1996., str.78-81
9.	PETROVIĆ J., MARIĆ M., TUVIĆ T.: Metodologija revitalizacije energetske infrastrukture fabrike – primer sladare u Bačkoj Palanci, "Pivarstvo", Beograd, br. 1-2, 1997., str. 15-20
10.	MARIĆ M., PETROVIĆ J., GVOZDENAC D.: Racionalizacija potrošnje energije za sušenje slada; "Pivarstvo", Beograd, br. 1-2, 1997., str. 21-23

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

Quotation total :	7			
Total of SCI(SSCI) list papers :	4			
Current projects :	Domestic :	3	International :	0

Science, arts and professional qualifications

Name and last name:	Radonjanin S. Vlastimir
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.11.1987
Scientific or art field:	Materials in Civil Engineering, Condition Assesment and Construction

Academic carieer	Year	Institution	Field
Academic title election:	2013		Materials in Civil Engineering, Condition Assesment and Construction Sanation
PhD thesis	2003	Faculty of Civil Engineering - Beograd	Materials in Civil Engineering and Concrete Technology
Magister thesis	1994	Faculty of Technical Sciences - Novi Sad	Materials in Civil Engineering and Concrete Technology
Bachelor's thesis	1982	Faculty of Civil Engineering - Beograd	Civil Engineering

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

	ID	Course name	Study programme name, study type
1.	A202	Structures, Materials and Building	(A00) Architecture, Undergraduate Academic Studies
2.	GG09	Materials in Construction 2	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG21	Concrete Technology	(G00) Civil Engineering, Undergraduate Academic Studies
4.	URZP13	Building materials and structures	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP62	Assessment of Damaged Structures	(OM1) Mathematics in Engineering, Master Academic Studies (ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
6.	GS009	Energy-efficient materials and diagnostic of building thermotechnical performances	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
7.	GS010	The design of energy efficient buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
8.	GS011	Energy revitalization of buildings	(G10) Energy Efficiency in Buildings, Specialised Academic Studies
9.	SDGI1A	Odabrana poglavlja iz građevinskih materijala i konstrukcija	(GI0) Geodesy and Geomatics, Specialised Academic Studies
10.	GG504	Durability and Assessment of Concrete Structures	(G00) Civil Engineering, Master Academic Studies
11.	GG506	Professional Practice	(G00) Civil Engineering, Master Academic Studies
12.	GG517	Damages and Repair of Masonry, Steel and Timber Structures	(G00) Civil Engineering, Master Academic Studies
13.	GG518	Repair of Concrete Structures	(G00) Civil Engineering, Master Academic Studies
14.	GP502	Bridge Management	(G00) Civil Engineering, Master Academic Studies
15.	GD005	Selected Chapters in Concrete Theory and Technology	(G00) Civil Engineering, Doctoral Academic Studies
16.	GD012	Selected Chapters in Science on Materials	(G00) Civil Engineering, Doctoral Academic Studies
17.	GD015	Rheology of Concrete Structures	(G00) Civil Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1.	Radonjanin,V. (2003): Prilog istraživanju osnovnih karakteristika betona modifikovanih polimerima sa aspekta njihove primene u armiranobetonskim konstrukcijama, Magistarska teza
2.	Radonjanin,V.(1994): Parametarska analiza karakteristika reparaturnih maltera sa aspekta njihove primene pri sanaciji armiranobetonskih konstrukcija, Doktorska disertacija
3.	Folić, R., Radonjanin, V. (1998): Experimental research on polymer modified concrete, ACI Materials Journal, VOL. 95 No. 4, July/August 1998, pp.463-470.
4.	Marinkovic Snezana B, Radonjanin Vlastimir S, Malesev Mirjana, Ignjatovic IS,Comparative environmental assessment of natural and recycled aggregate concrete (Article), WASTE MANAGEMENT, (2010), vol. 30 br. 11, str. 2255-2264
5.	Stojanovic Goran M, Radovanovic Milan, Malesev Mirjana, Radonjanin Vlastimir S, Monitoring of Water Content in Building Materials Using a Wireless Passive Sensor (Article), SENSORS, (2010), vol. 10 br. 5, str. 4270-4280
6.	Maksimovic M.; Stojanovic G., Radovanovic M.; Malesev M.; Radonjanin V., Radosavljevic G.; Smetana W (2012).: Application of a LTCC sensor for measuring moisture content of building materials, Elsevier - Construction and Building Materials, Volume 26, Issue 1, January 2012, pp. 327–333 (http://dx.doi.org/10.1016/j.conbuildmat.2011.06.029)

Representative refferences (minimum 5, not more than 10)

7.	Folić, R., Radonjanin, V., Malešev, M. (2002): The assessment of the Structure of Novi Sad Open University Damaged in Fire, Journal "Construction and Building Materials", No. 16 (2002), Elsevier Science, London, pp.427 - 440.
8.	Matić B., Tepić J., Sremac S., Radonjanin V., Matić D., Jovanović P.: Development and evaluation of the model for the surface payment temperature prediction, Journal “Metalurgija”, Croatian metallurgical society, Zagreb, Croatia, ISSN: 0543-5846, 2012 (UDC – UDK 621.747.621.006.2:658.564=111), pp.329-332
9.	Pavlović, P., Folić, R., Radonjanin, V., Tatomirović, M. (1997): The Testing and Repair of Steel Silo, Journal "Construction and Building Materials", Vol. 11. No. 5-6 (1997), Elsevier Science, London, pp.353-363.
10.	Radonjanin, V., Malešev, M., Folić, R. (2007): Assessment and repair of the bearing structure of a multi-storey parking garage, Journal of Building Appraisal, Volume 2, Issue 4, Publisher "Palgrave Macmillan", London, UK, February 2007, pp. 335-354.

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

Quotation total :	24			
Total of SCI(SSCI) list papers :	7			
Current projects :	Domestic :	2	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.	MPK002	Fazi matematika(uneti naziv na engleskom)	(MPK) Water Treatment and Safety Engineering - TEMPUS, Master Academic Studies
7.	Z506	20BAdvanced Course in Mathematics 1	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (ZTF) Environmental engineering, Master Academic Studies
8.	MPK001	Statistical and Numerical Methods	(MPK) Water Treatment and Safety Engineering - TEMPUS, Master Academic Studies
9.	0M502	Partial Differential Equations	(OM1) Mathematics in Engineering, Master Academic Studies
10.	0M508	Fuzzy Mathematics	(OM1) Mathematics in Engineering, Master Academic Studies
11.	D0M02	Partial Differential Equations	(OM1) Mathematics in Engineering, Doctoral Academic Studies
12.	D0M07	Mathematical Foundations of Fuzzy Systems	(OM1) Mathematics in Engineering, Doctoral Academic Studies
13.	D0M21	Fuzzy Systems and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
14.	D0M38	Non-linear Equations and Their Applications	(OM1) Mathematics in Engineering, Doctoral Academic Studies
15.	D0M39	Optimization Methods and Mathematical Modelling	(OM1) Mathematics in Engineering, Doctoral Academic Studies
16.	DOM54	Computational geometry	(F20) Engineering Animation, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies
17.	DOM55	Pattern Recognition	(F20) Engineering Animation, Doctoral Academic Studies (OM1) Mathematics in Engineering, Doctoral Academic Studies

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

	ID	Course name	Study programme name, study type
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

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 - -	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.	IM1052	Engineering Ethics	(I20) Engineering Management, Undergraduate Academic Studies (M30) Energy and Process Engineering, Undergraduate Academic Studies (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.	IM2822	Mass Communications Research	(I20) Engineering Management, Master Academic Studies
5.	HR015	Ethical and legal aspects of human resources	(I20) Engineering Management, Specialised Professional Studies (IB0) Engineering Management - MBA, Specialised Professional Studies
6.	I077/S	Ethics in Education	(I20) Engineering Management, Specialised Professional Studies
7.	MM004	Theory and Practice of Media Communication	(I20) Engineering Management, Specialised Professional Studies
8.	URZP64	The role of media in reducing the risk	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
9.	IMDS76	Selected topics in industrial marketing and media engineering	(I22) Engineering Management, Specialised Academic Studies
10.	MM016	MEDIA ORGANISATION AND MANAGEMENT	(I20) Engineering Management, Specialised Professional Studies
11.	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.

Representative refferences (minimum 5, not more than 10)	
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

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:	2013	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.	URZP16	Climatology	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP41	Disasters and Vulnerability	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	URZP48	Fundamentals of Climatology and Hydrology	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	URZP51	Strategy of Intervention	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP63	Safety of Strategic Energy Facilities	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
6.	Z510	Accidental Risk Management and the Environment	(OM1) Mathematics in Engineering, Master Academic Studies (Z01) Safety at Work, Master Academic Studies
7.	ZP515	Qualitative and quantitative methods of risk management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
8.	ZP501	Integrated Natural Disaster Risk Management	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
9.	IM2707	Methods for the analysis of insurance risk	(I20) Engineering Management, Master Academic Studies
10.	IMDS72	Advanced risk assessment methods	(I22) Engineering Management, Specialised Academic Studies
11.	MPK009	Enviromental hazards	(MPK) Water Treatment and Safety Engineering - TEMPUS, Master Academic Studies
12.	MPK012	Solid waste management	(MPK) Water Treatment and Safety Engineering - TEMPUS, Master Academic Studies
13.	MPK014	Monitoring and system control	(MPK) Water Treatment and Safety Engineering - TEMPUS, Master Academic Studies
14.	MPK019	Disaster risk management	(MPK) Water Treatment and Safety Engineering - TEMPUS, Master Academic Studies
15.	ZCM06	Security of strategic energy facilities	(ZC0) Clean Energy Technologies, Master Academic Studies
16.	ZRD233	Selected topics in the field of insurance from the standpoint of safety and health at work	(Z01) Safety at Work, Doctoral Academic Studies
17.	IMDR72	Advanced risk assessment methods	(I20) Industrial Engineering / Engineering Management, 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

Representative refferences (minimum 5, not more than 10)	
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

MASTER ACADEMIC STUDIES — Disaster Risk Management and Fire Safety

Science, arts and professional qualifications

Name and last name:	Sokolović S. Dunja
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	01.11.2012
Scientific or art field:	Process Technics

Academic carieer	Year	Institution	Field
Academic title election:	2012	Faculty of Technical Sciences - Novi Sad	Process Technics
PhD thesis	2012	Faculty of Technology - Novi Sad	Technological Engineering
Bachelor's thesis	2007	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.	M3303	Fundamentals of Process Engineering	(M30) Energy and Process Engineering, Undergraduate Academic Studies
2.	M3315	Fundamentals in Ecological Oil Analysis and Gas Industry	(M30) Energy and Process Engineering, Undergraduate Academic Studies
3.	URZP33	Role and Importance of Prevention in Risk Reduction	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
4.	URZP45	Mobile Equipment and Fire Extinguishing Equipment	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
5.	URZP47	Fire Risk Management in Industry	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
6.	Z306A	Process Engineering	(Z01) Safety at Work, Undergraduate Academic Studies (ZC0) Clean Energy Technologies, Undergraduate Academic Studies
7.	M3498	Industrial Process Technology	(M30) Energy and Process Engineering, Undergraduate Academic Studies
8.	M3599	Energy efficient separation process	(M30) Energy and Process Engineering, Master Academic Studies
9.	ZP509	Investigation of Fire and Explosion	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies (I20) Engineering Management, Master Academic Studies
10.	DM313	Process Kinetics	(M00) Mechanical Engineering, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Sokolović D., Hoeflinger W., Šećerov Sokolović R., Sokolović S., Sakulski D.: Experimental study of mist generated from metalworking fluids emulsions , Journal of Aerosol Science, 2013, Vol. 61, pp. 70-80, ISSN 0021-8502
2. Šećerov Sokolović R., Govedarica D., Sokolović D.: Selection of Filter Media for Steady-State Bed Coalescers, Industrial & Engineering Chemistry Research, 2014,ISSN 0888-5885, http://pubs.acs.org/doi/full/10.1021/ie404013e
3. Govedarica D., Šećerov Sokolović R., Sokolović D., Sokolović S.: A Novel Approach for the Estimation of the Efficiency of Steady-State Fiber Bed Coalescence, Separation and Purification Technology, 2013, Vol. 104, pp. 268-275, ISSN 1383-5866, UDK: http://dx.doi.org/10.1016/j.seppur.2012.11.034
4. Šećerov Sokolović R., Govedarica D., Sokolović D.: Separation of oil-in-water emulsion using two coalescers of different geometry, Journal of Hazardous Materials, 2010, Vol. 175, No. 1-3, pp. 1001-1006, ISSN: 0304-3894.
5. Govedarica D., Šećerov Sokolović R., Sokolović D., Sokolović S.: Evaluation of the Separation of Liquid-Liquid Dispersions by Flow through Fiber Beds, Industrial & Engineering Chemistry Research, 2012, Vol.51, No49,pp.1685-1691, ISSN: 0888-5885.
6. Sokolović D., Höflinger W., Zavargo Z., Šećerov Sokolović R.: Uticaj ventilacije komore mašine alatke na osobine SHP aerosola, Hemijska industrija, 2012, Vol. 66, No. 1, pp. 67-77, ISSN 0367-598X
7. Sokolović D., Šećerov Sokolović R., Sokolović S.: Proučavanje reoloških osobina nestabilnih emulzija mineralnog porekla, Hemijska industrija, 2013, Vol. 67, No 2, pp. 293-301, ISSN 0354-7531, UDK: 665.6:665.614:66:544
8. Sokolović S., Zavargo Z., Sokolović D.: SUSTAINABLE DEVELOPMENT, CLEAN TECHNOLOGY AND KNOWLEDGE FROM INDUSTRY, Thermal Science, 2012, Vol. 16, Suppl. 1, pp. S131-S139, ISSN 0354-9836
9. Sokolović D., Hoeflinger W., Šećerov Sokolović R., Sokolović S.: Proučavanje SHP aerosola, Zaštita materijala, 2013, No 4, pp. 389-395, ISSN 0351-9465
10. Šećerov Sokolović R., Sokolović S., Sokolović D.: Waste polymer fibrous as filter media for oily water separation, 11. World Filtration Congress, Graz: 11th World Filtration Congress - Session PL03 - Solid-Liquid Separation III, 17-20 April, 2012

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

Quotation total :	7
Total of SCI(SSCI) list papers :	8

Current projects :	Domestic :	1	International :	1

Science, arts and professional qualifications

Name and last name:	Stipić S. Matija
Academic title:	Assistant Professor
Name of the institution where the teacher works full time and starting date:	-
Scientific or art field:	Hydrotechnics

Academic carieer	Year	Institution	Field
Academic title election:	2010		Hydrotechnics
PhD thesis	2009		Hydrotechnics
Magister thesis	1999		Hydrotechnics
Bachelor's thesis	1987		Hydrotechnics

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

	ID	Course name	Study programme name, study type
1.	URZP40	Stationary Systems for Fire Extinguishing	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
2.	URZP59	Flood Defense Measures	(ZP0) Disaster Risk Management and Fire Safety, Undergraduate Academic Studies
3.	Z210	Fundamentals of Water Protection	(Z01) Safety at Work, Undergraduate Academic Studies (ZF0) Environmental Engineering, Undergraduate Academic Studies
4.	GG408	Municipal Hydrotechnics	(G00) Civil Engineering, Undergraduate Academic Studies
5.	GH501	Hydraulics 2	(G00) Civil Engineering, Master Academic Studies
6.	ZP507	Design and Maintenance of Stationary Fire Extinguishing Systems	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
7.	MPK003	Napredno sanitarno inženjerstvo(uneti naziv na engleskom)	(MPK) Water Treatment and Safety Engineering - TEMPUS, Master Academic Studies
8.	MPK028	Hydrotechnical objects and systems	(MPK) Water Treatment and Safety Engineering - TEMPUS, Master Academic Studies

Representative refferences (minimum 5, not more than 10)

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

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

Science, arts and professional qualifications

Name and last name:	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.	IM1036	Reliability Theory	(I20) Engineering Management, Undergraduate Academic Studies
2.	IM1037	Environmental Management System	(I20) Engineering Management, Undergraduate Academic Studies
3.	IM1615	Maintenance of Technical Equipment	(I20) Engineering Management, Undergraduate Academic Studies
4.	IM1620	Reverse and Green Logistic	(I20) Engineering Management, Undergraduate Academic Studies
5.	II1016	Reliability of technical systems and Maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
6.	II1025	Design, Verification and Analysis of the Environmental Management System	(I10) Industrial Engineering, Undergraduate Academic Studies
7.	II1040	Organization and mamanagement of maintenance	(I10) Industrial Engineering, Undergraduate Academic Studies
8.	II1043	Maintenance techniques and technologies	(I10) Industrial Engineering, Undergraduate Academic Studies
9.	IIDS30	Trends in the environmental management systems	(I12) Industrial Engineering, Specialised Academic Studies (I22) Engineering Management, Specialised Academic Studies
10.	IIDS7	Selected topics in quality engineering and logistics	(I12) Industrial Engineering, Specialised Academic Studies
11.	IMDS74	Selected Topics in Quality Management and Logistics	(I22) Engineering Management, Specialised Academic Studies
12.	ZP516	Technical Systems Reliability	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
13.	IM2620	Lean Maintenance	(I10) Industrial Engineering, Master Academic Studies (I20) Engineering Management, Master Academic Studies
14.	IM2622	Design and Implementation of Health and Safety System	(I20) Engineering Management, Master Academic Studies
15.	IMDR74	Selected Topics in Quality Management and Logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
16.	IMDR79	Selected topics in quality engineering and logistics	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies
17.	IMDR83	Quality abd organisational performance	(I20) Industrial Engineering / Engineering Management, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Brkljač N., Šević D., Beker I., Kesić I., Milisavljević S.: Procedure for treatment of hazardous waste by MID-MIX procedure in Serbia, International Journal of the Physical Sciences, 2012, Vol. 7, No 18, pp. 2639-2646, ISSN 1992-1950
2. Jocanović M., Šević D., Karanović V., Beker I., Dudić S.: Increased Efficiency of Hydraulic Systems Through Reliability Theory and Monitoring of System Operating Parameters, Strojniški vestnik - Journal of Mechanical Engineering, 2012, Vol. 58, No 4, pp. 281-288, ISSN 0039-2480
3. D. Šević, I. Beker „Projektovanje greda na bazi pouzdanosti“, Naučno – stručni skup ISTRAŽIVANJE I RAZVOJ MAŠINSKIH ELEMENATA I SISTEMA – Jahorina – IRMES 2002., Srpsko Sarajevo – Jahorina, Septembar 2002
4. D. Šević, I. Beker „Zahtevi standarda ISO 9000:2000 i njihova primena u održavanju“, XXVI Majski skup održavalaca Jugoslavije, Novi Sad, 22-24. maj 2002

Representative refferences (minimum 5, not more than 10)

5.	N. Stefanović, N. Radaković, D. Šević "Primena softverskog sistema za upravljanje poslovnim procesima na sistema menadžmenta kvalitetom ISO 9001:2000", XIII Naučna konferencija INDUSTRIJSKI SISTEMI IS 2005, Herceg Novi, Srbija i Crna Gora, Septembar 2005
6.	Ušćebrka G., Žikić D., Stojanović S., Šević D.: An Example of Model of Estimating the Level of Biological Risk On Farms Based On the Gap Requirements, Veterinary Medicine, , UDK: 619
7.	Šević D., Ušćebrka G., Milisavljević S., Brkljač N.: MODEL VREDNOVANJA ZNAČAJNOSTI UTICAJA NA ŽIVOTNU SREDINU SA STANOVNIŠTVA ZAHTEVA STANDARDA ISO 14001:2004, UDK: 658.5
8.	Šević D., Stefanović N., Prokopić L.: Upotreba podataka i informacija koji se odnose na vrednovanje učinka na zaštiti životne sredine, International Journal Total Quality Management
9.	Beker I., Stanivuković D., Šević D.: Postupak za ocenu uspešnosti održavanja , 26. Majski skup održavalaca Jugoslavije, Novi Sad: Fakulte tehničkih nauka, 1 Maj, 2002, str. 87-93, UDK: 621-772
10.	mr Dragoljub Šević, mr Slobodan Morača, M.Sc. Stevan Milisavljević "Planiranje učinka zaštite životne sredine", XIV Međunarodna naučna konferencija INDUSTRIJSKI SISTEMI IS 2008, Novi Sad, Srbija, 2-3. Oktobar 2008, str. 363-367, UDK 685.5, ISBN 978-86-7892-135-3

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

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

Science, arts and professional qualifications

Name and last name:	Trivunić R. Milan
Academic title:	Full Professor
Name of the institution where the teacher works full time and starting date:	Faculty of Technical Sciences - Novi Sad
	22.10.1985
Scientific or art field:	Organization, Construction Technology and Management

Academic carieer	Year	Institution	Field
Academic title election:	2007	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management
PhD thesis	1996	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management
Magister thesis	1992	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management
Bachelor's thesis	1985	Faculty of Technical Sciences - Novi Sad	Organization, Construction Technology and Management

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

	ID	Course name	Study programme name, study type
1.	GG31	Technology and Building Organization 1	(G00) Civil Engineering, Undergraduate Academic Studies
2.	GG311	Technology and Building Organization in Hydrotechnics	(G00) Civil Engineering, Undergraduate Academic Studies
3.	GG33	Technology and Building Organization 2	(G00) Civil Engineering, Undergraduate Academic Studies
4.	GG404	Precasting and Assembly Technology	(G00) Civil Engineering, Undergraduate Academic Studies
5.	A374	Project and Construction Management 1	(A00) Architecture, Undergraduate Academic Studies
6.	ZR302A	Safety at work in construction	(Z01) Safety at Work, Undergraduate Academic Studies
7.	ZRI43A	Management of safety at work process in construction	(Z01) Safety at Work, Undergraduate Academic Studies
8.	A394	Project and Building Management 2	(AH0) Architecture, Master Academic Studies
9.	GG506	Professional Practice	(G00) Civil Engineering, Master Academic Studies
10.	GG520	Industrial Methods in Construction	(G00) Civil Engineering, Master Academic Studies
11.	GM501	System Theory and System Analysis	(G00) Civil Engineering, Master Academic Studies
12.	ZP514	Planning and organizing activities during events with catastrophic consequences	(ZP1) Disaster Risk Management and Fire Safety, Master Academic Studies
13.	GD004	Selected Chapters in Construction Management	(G00) Civil Engineering, Doctoral Academic Studies
14.	GD010	Advanced Building Technologies	(G00) Civil Engineering, Doctoral Academic Studies
15.	ZRD237	State and development trends of health and safety at work in the construction	(Z01) Safety at Work, Doctoral Academic Studies

Representative refferences (minimum 5, not more than 10)

1. Trivunić, M., Matijević, Z. (2004, 2006): Tehnologija i organizacija građenja. Praktikum, Univerzitet u Novom Sadu, Fakultet tehničkih nauka, Edicija tehničke nauke, br. 96 i br. 126, Novi Sad, str. 1-199.
2. Vuković, S., Trivunić, M. (1995): "Site management and production analysis of concrete hall assembly". The International Journal of Research, Development and Demonstration ″Building Research and Information″, Volume 23, Number 1, E. and F.N. Spon, UK, pp. 55-59.
3. Trivunić, M. (1997): ″An Expert System for The Optimization of Prefabricated Concrete Hall Element Assembly″. CIB W-24 International Seminar on Industrialization Building: Present State and Future Trends, Haifa, Israel, pp. E-1-E-11.
4. Trivunić, M. (1999): ″PRIMATES-An Expert System For Selecting The Optimal Hall Assembly Method″. 16th IAARC/IFAC/IEEE International Symposium an Automation and Robotics in Construction, Madrid, Spain, pp. 173-179.
5. Trivunić, M., Folić, R. (1999): ″Proračun ankera i užadi za zahvatanje montažnih betonskih elemenata″. ″Izgradnja″, br. 53, 6/99, str. 148-157.
6. Trivunić, M., Dražić, J. (2000): ″The optimization of prefabricated concrete hall element production″. Međunarodna konferencija ″Građevinarstvo-građevinski menadžment 2000″ – Nemzetközi konferencia ″ÉPÍTŐIPAR – ÉPÍTÉSI MENEDZSMENT 2000″, Budapest, pp. 109-116.
7. Trivunić, M. (2001): ″Tehnologija i organizacija nadgradnje zgrada″. ″Materijali i konstrukcije″, br. 1-2, Beograd, str. 56-60.
8. Matijević, Z., Trivunić, M. (2006): ″Adaption of Benchmarking for The Application in The Hybrid method for Improving The Performances of A Company″, International Conference VSU"2006, 22 may - 23 may, 2006, Sofia, Bulgaria, Vol II, pp. V-1 - V-6.
9. Matijević, Z., Trivunić, M. (2006): ″Transformation of the Organisational Structure of Construction Companies for the Purpose of Mass Customization", Adaptables2006, TU/e, International Conference On Adaptable Building Structures Eindhoven, The Netherlands, 03-05 July 2006, Volume 1, pp.3-232 - 3-236.

Representative refferences (minimum 5, not more than 10)

10.	Trivunić, M. (1997): Assembly management as a part of the construction process. ?Construction Technology - Construction Management ?97? (editors: K.Delević, E.Malešević, Ž.Praščević, J.Gyulay), Faculty of Civil Engineering Subotica, Faculty of Civil Engineering Beograd, Faculty of Civil Engineering Budapest, Faculty of Architecture Budapest, Subotica, June 3rd-4th 1997, pp.84-91.

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

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. Classes on the study programme are held in such a manner so the minimum of 2 m2 of space is provided per student.

Lectures are held in amphitheatres, classrooms, computer and specialized laboratories. The library has over 100 bibliographical units relevant for the study programme Risk and Fire Protection Management. There is also adequate equipment for all courses with the appropriate textbook literature, devices and supplementary equipment available on time and in a sufficient number for normal performance of the teaching process. Thereby, the adequate information technology is also available for performing the study programme and the materials from the lectures and practice as well as the use of lecturing material is available at the faculty website http://www.ftn.uns.ac.rs/_data/nastava).

Faculty has the library and the study room and provides a seat for each student in amphitheatres, classrooms and specialized laboratories.

Standard 11. Quality Control

The quality control of the study programme is performed regularly and systematically through self-evaluation and external quality control. The Faculty of Technical Sciences has experience in making students` questionnaires for several decades.
Quality checks of curriculum are being implemented through:
- students`questionnaires at the end of the teaching process in respect of the given course.
- graduates`questionnaires on the occasion of receiving diplomas , regarding the quality of curriculum and logistic support of studies, place of studies (cleanness and tidiness of classrooms, hygiene nodes, ...)
- Students`questionnaires during the academic year validation .
- Students`questionnaires when enrolling the academic year. The students then assess the degree program
which they ended in the previous year.
- questionnaires of the teaching and administrative staff on the quality of curriculum and logistics that are supporting the studies. In this questionnaire, the Dean, student services, libraries, and
other departments of the Faculty are evaluated.

Study program quality monitoring is done through a Commission consisting of the department heads who participate in the implementation of a program, and one student representing each year of the study.

Standard 12. Distance Education

Distance learning is not provided for.